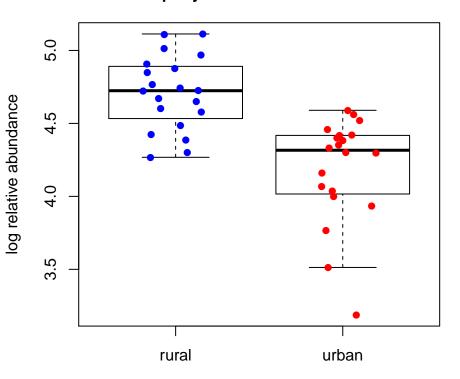
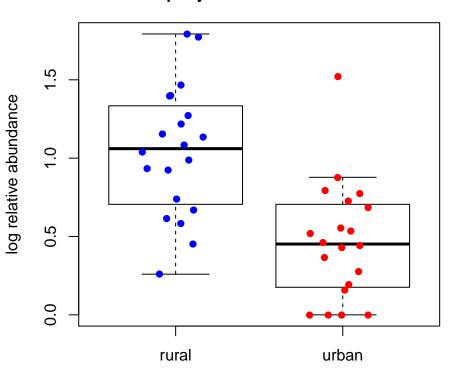
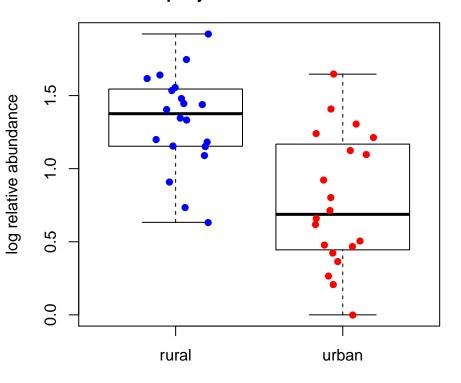
WGS genus: Blautia pAdjRuralUrban= 0.00322



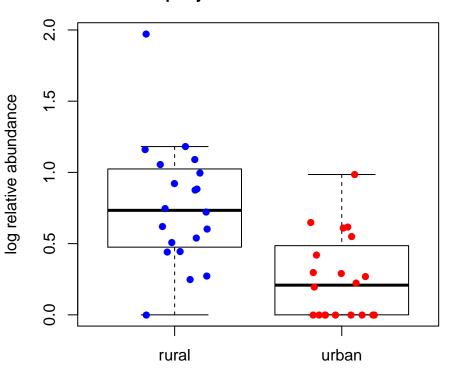
# WGS genus: Methylotenera pAdjRuralUrban= 0.0126



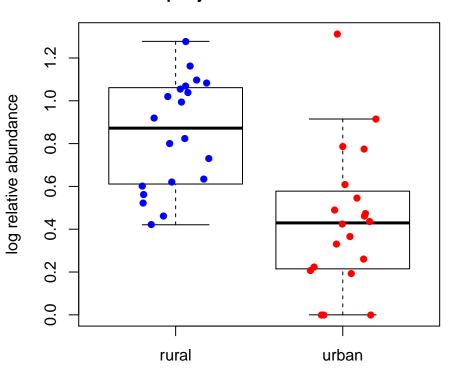
## WGS genus: Candidatus\_Koribacter pAdjRuralUrban= 0.0129



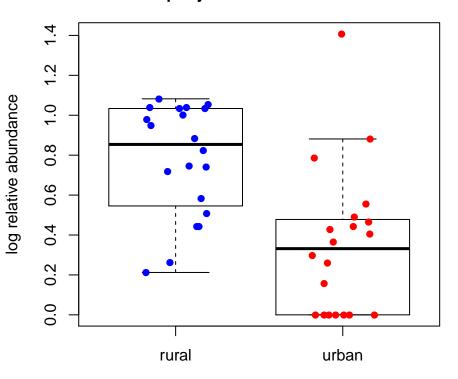
## WGS genus: Tepidanaerobacter pAdjRuralUrban= 0.0129



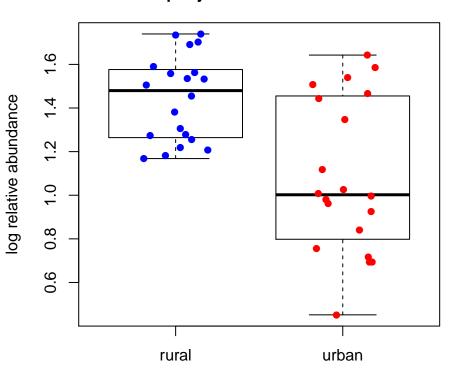
## WGS genus: Azorhizobium pAdjRuralUrban= 0.0129



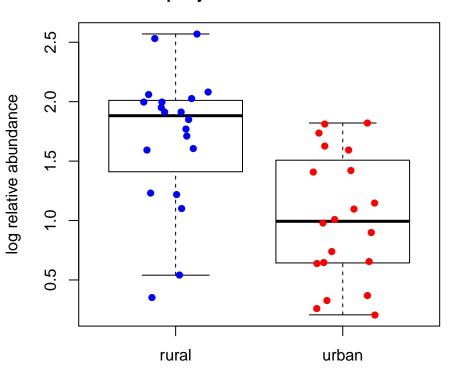
# WGS genus: Kineococcus pAdjRuralUrban= 0.0173



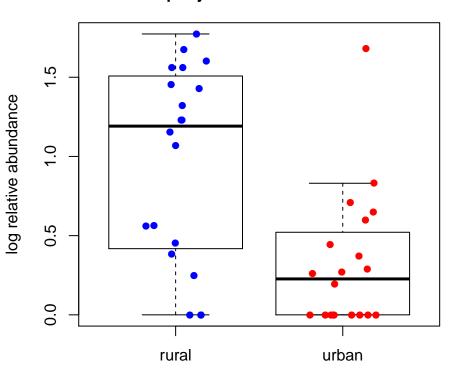
WGS genus: Listeria pAdjRuralUrban= 0.0266



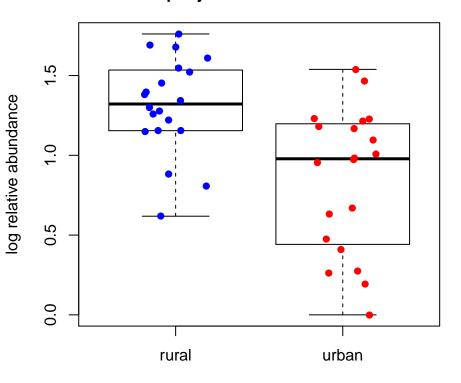
## WGS genus: Coriobacterium pAdjRuralUrban= 0.0266



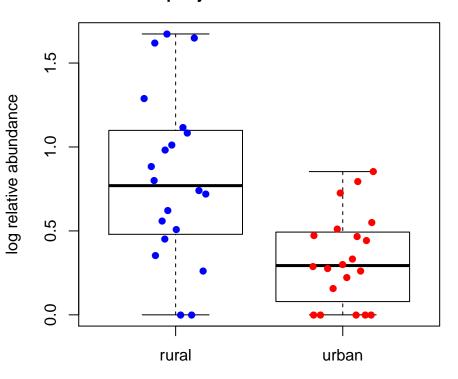
## WGS genus: Dechloromonas pAdjRuralUrban= 0.0266



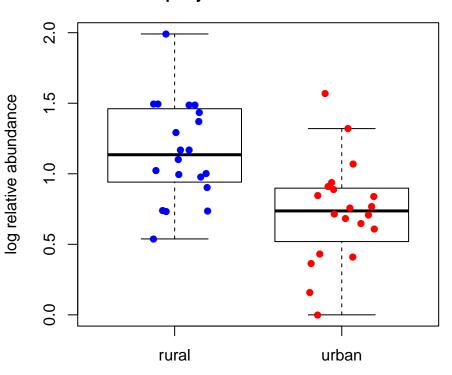
## WGS genus: Methylibium pAdjRuralUrban= 0.0266



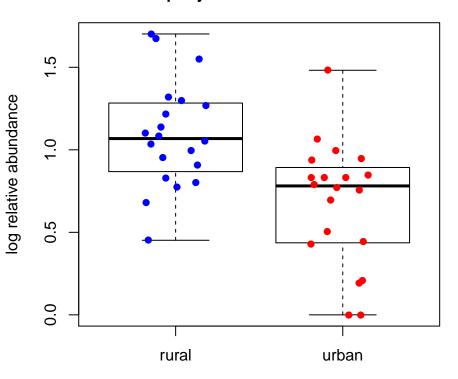
## WGS genus: Brucella pAdjRuralUrban= 0.0266



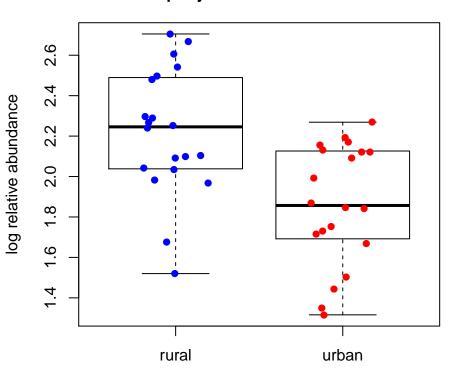
## WGS genus: Macrococcus pAdjRuralUrban= 0.0283



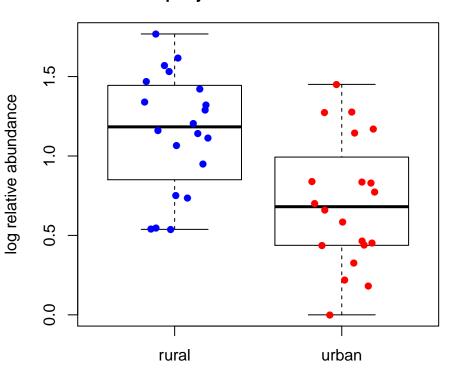
## WGS genus: Geobacillus pAdjRuralUrban= 0.0283



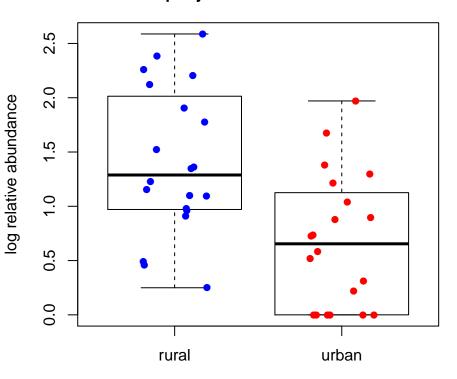
## WGS genus: Corynebacterium pAdjRuralUrban= 0.0308



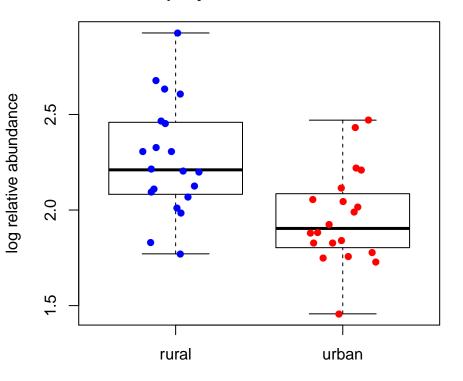
WGS genus: Thiomonas pAdjRuralUrban= 0.0308



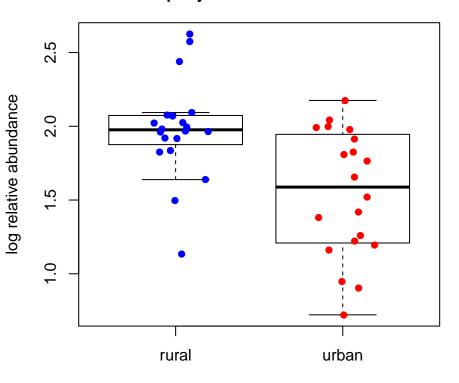
# WGS genus: Dyadobacter pAdjRuralUrban= 0.0341



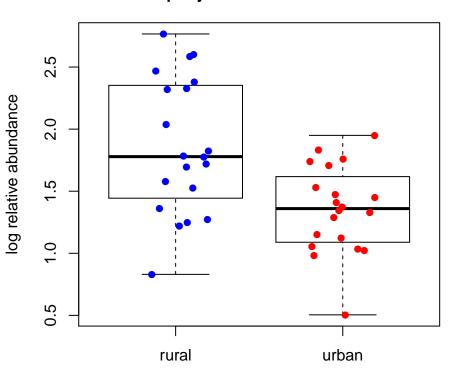
WGS genus: Bacillus pAdjRuralUrban= 0.0341



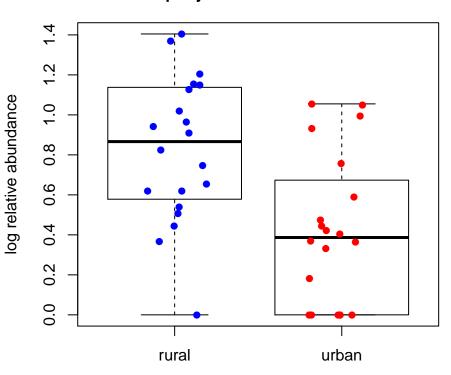
## WGS genus: Olsenella pAdjRuralUrban= 0.0341



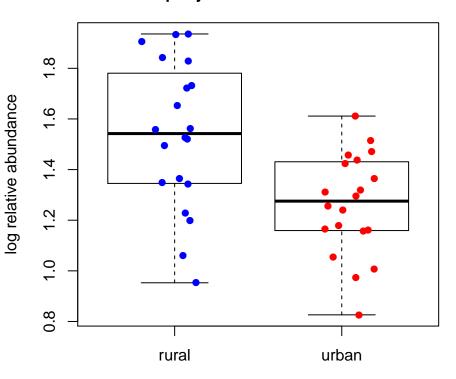
WGS genus: Shewanella pAdjRuralUrban= 0.0347



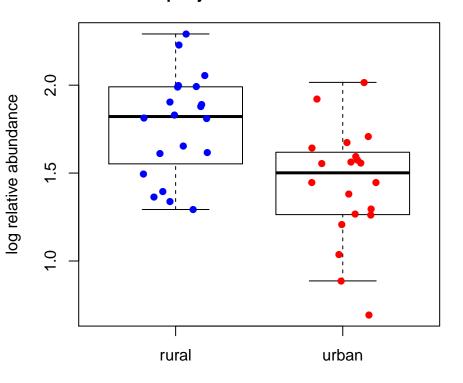
## WGS genus: Rhodopirellula pAdjRuralUrban= 0.0347



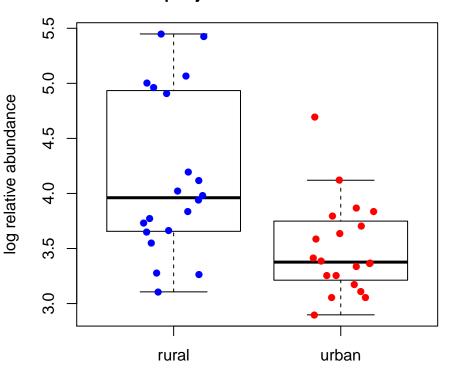
## WGS genus: Alkaliphilus pAdjRuralUrban= 0.0356



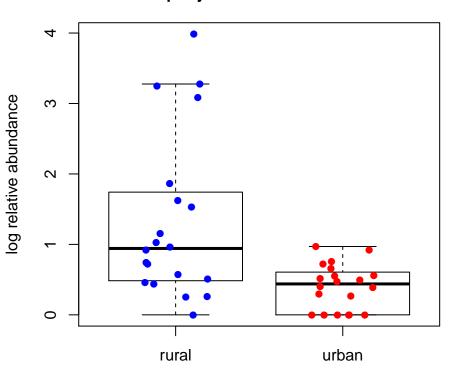
## WGS genus: Propionibacterium pAdjRuralUrban= 0.0356



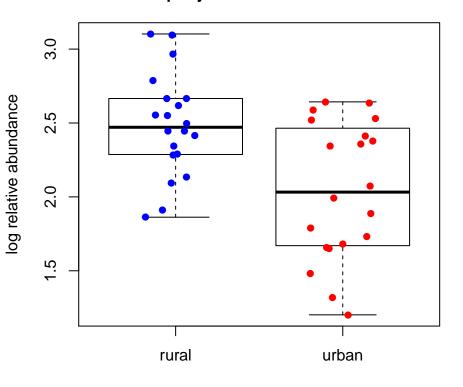
# WGS genus: Streptococcus pAdjRuralUrban= 0.0356



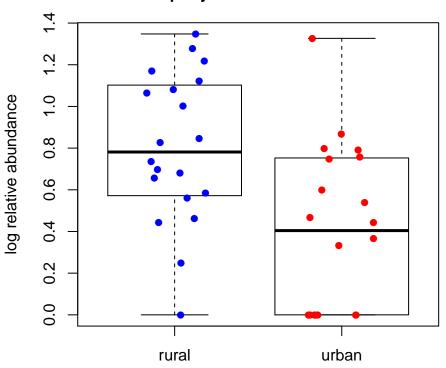
## WGS genus: Methanobrevibacter pAdjRuralUrban= 0.0356



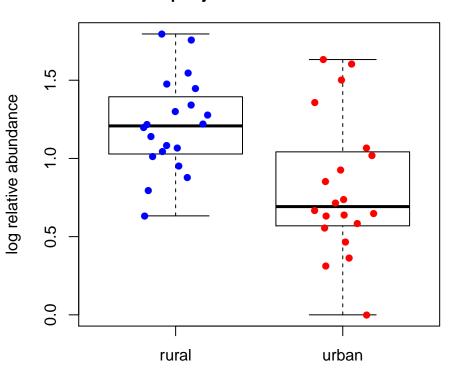
# WGS genus: Pseudomonas pAdjRuralUrban= 0.0356



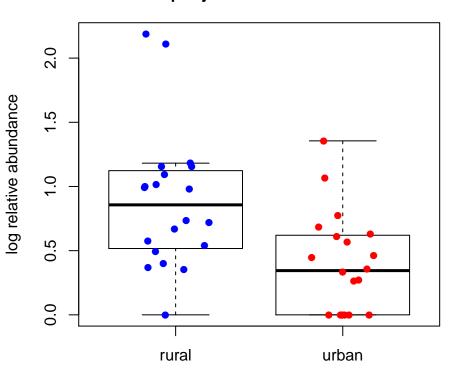
## WGS genus: Spiroplasma pAdjRuralUrban= 0.041



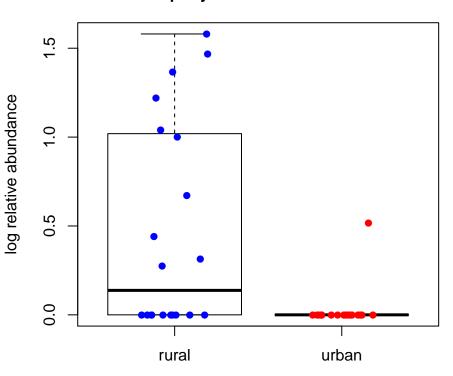
## WGS genus: Sphingobium pAdjRuralUrban= 0.041



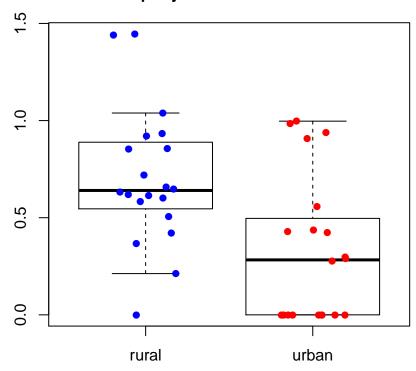
WGS genus: Stigmatella pAdjRuralUrban= 0.041



## WGS genus: Herpetosiphon pAdjRuralUrban= 0.041

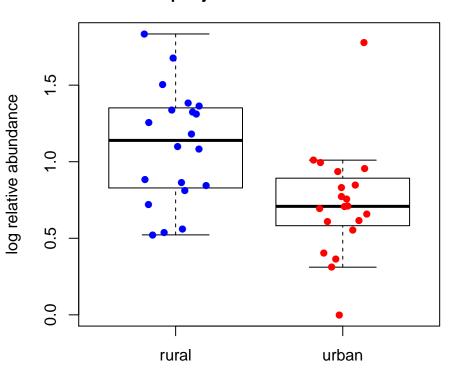


## WGS genus: Thermacetogenium pAdjRuralUrban= 0.041

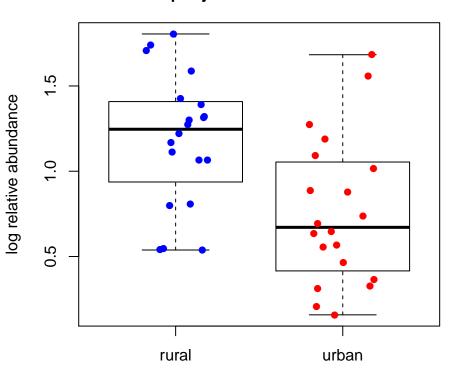


log relative abundance

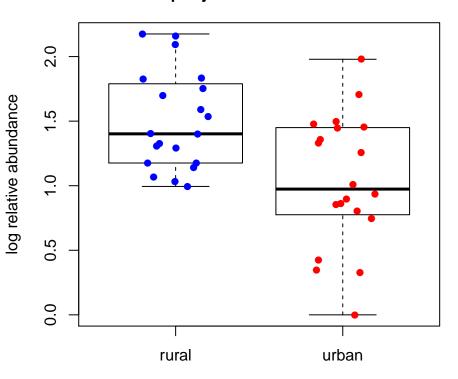
## WGS genus: Dehalobacter pAdjRuralUrban= 0.041



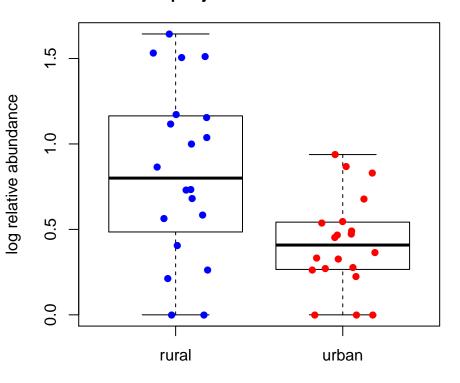
## WGS genus: Haliangium pAdjRuralUrban= 0.041



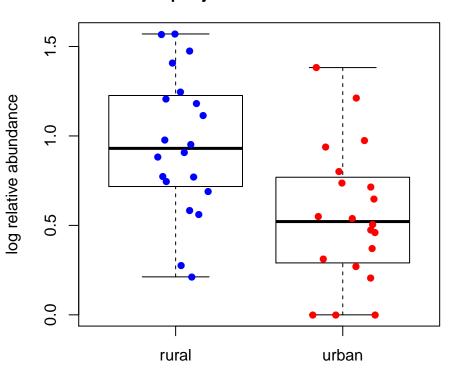
## WGS genus: Atopobium pAdjRuralUrban= 0.041



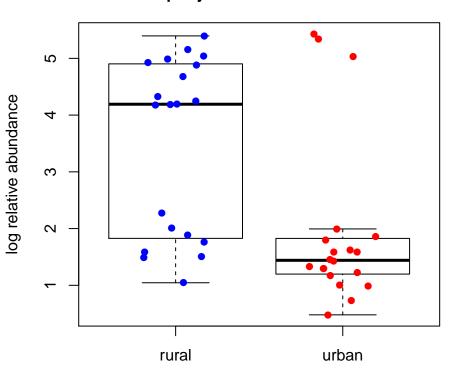
## WGS genus: Prochlorococcus pAdjRuralUrban= 0.041



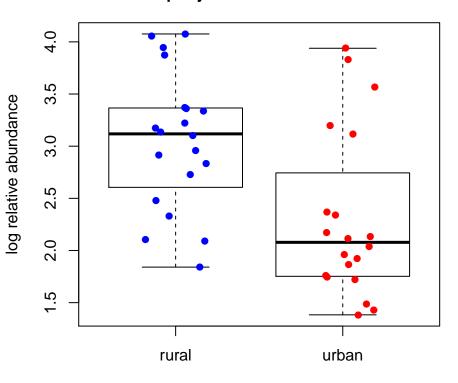
WGS genus: Kocuria pAdjRuralUrban= 0.041



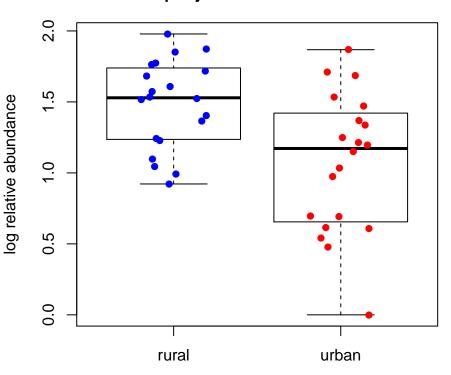
# WGS genus: Megamonas pAdjRuralUrban= 0.0415



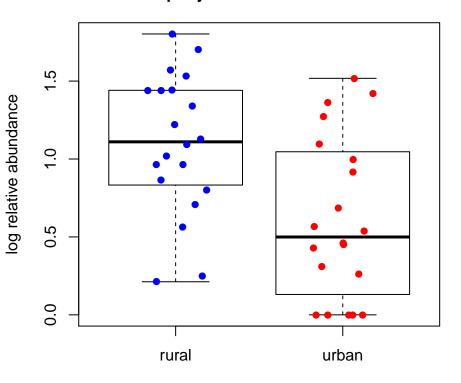
WGS genus: Veillonella pAdjRuralUrban= 0.0415



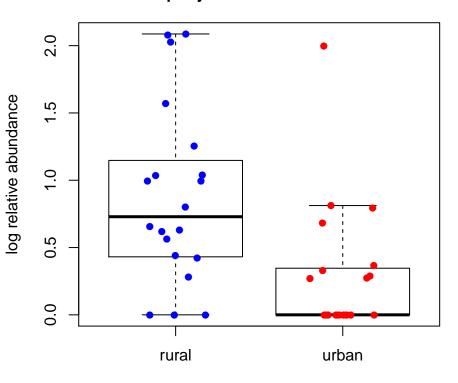
### WGS genus: Bradyrhizobium pAdjRuralUrban= 0.0434



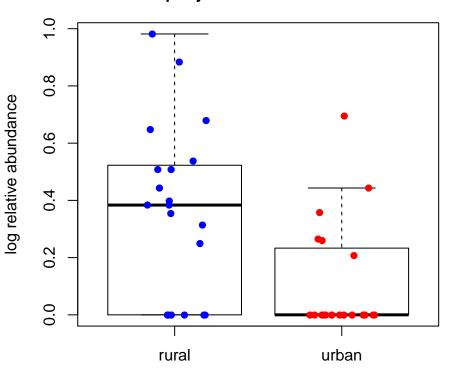
### WGS genus: Polaromonas pAdjRuralUrban= 0.0434



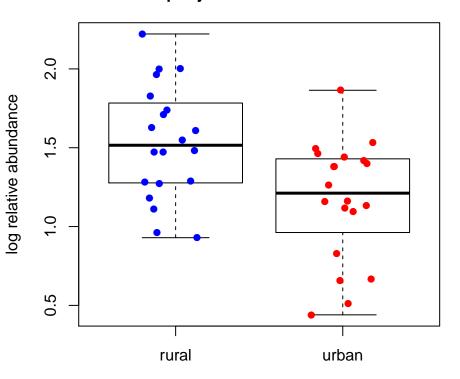
WGS genus: Xylella pAdjRuralUrban= 0.0434



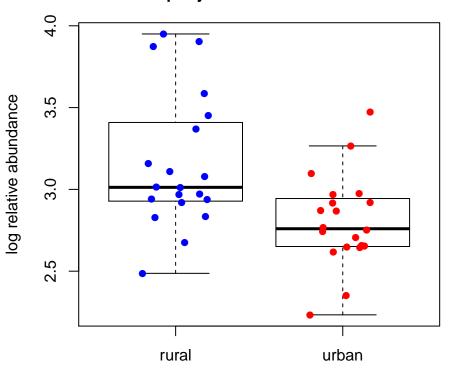
## WGS genus: Melissococcus pAdjRuralUrban= 0.0476



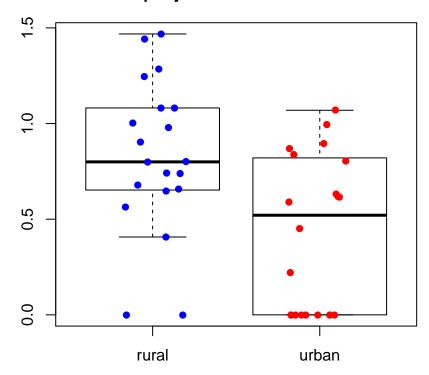
## WGS genus: Acholeplasma pAdjRuralUrban= 0.0476



### WGS genus: Enterococcus pAdjRuralUrban= 0.0478

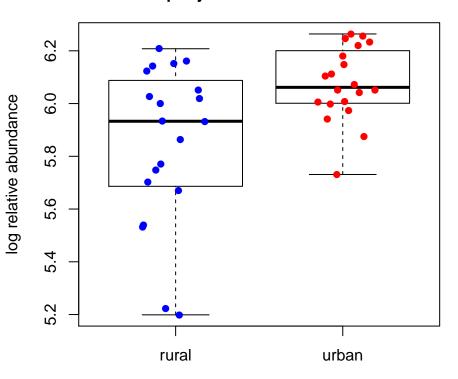


### WGS genus: Granulibacter pAdjRuralUrban= 0.0483

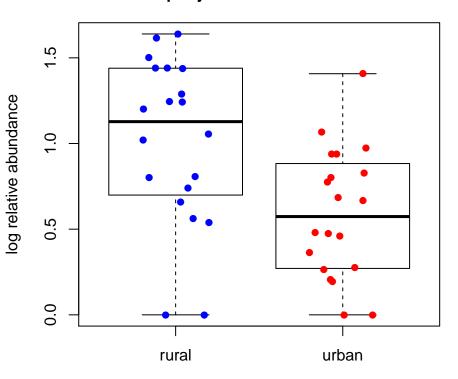


log relative abundance

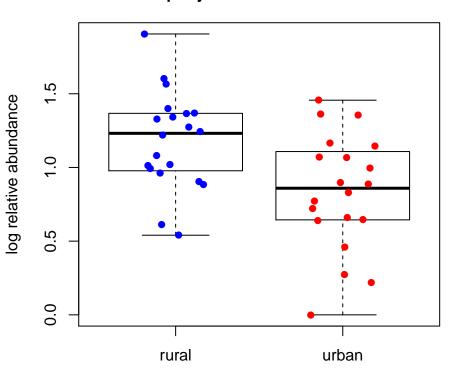
### WGS genus: Bacteroides pAdjRuralUrban= 0.0523



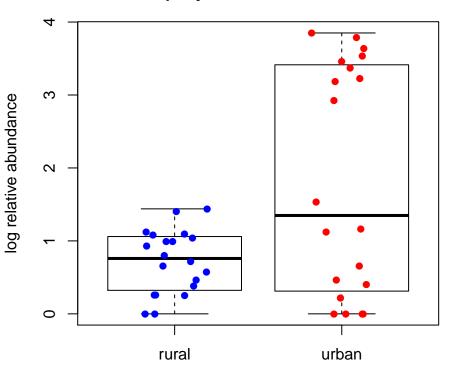
WGS genus: Micavibrio pAdjRuralUrban= 0.0523



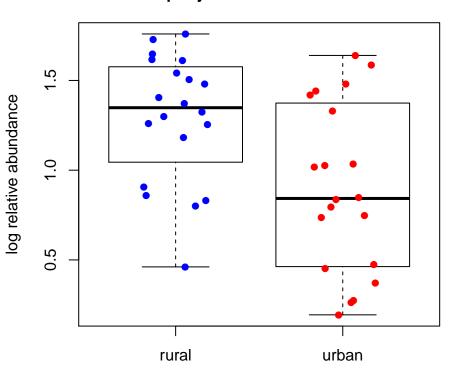
# WGS genus: Comamonas pAdjRuralUrban= 0.0523



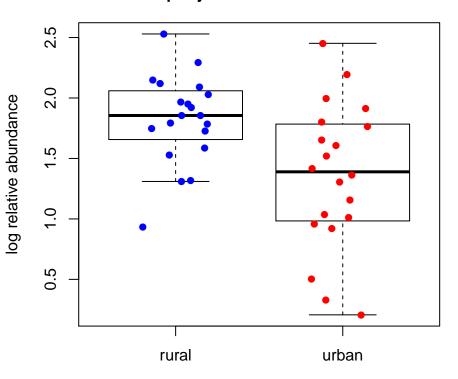
WGS genus: Borrelia pAdjRuralUrban= 0.0523



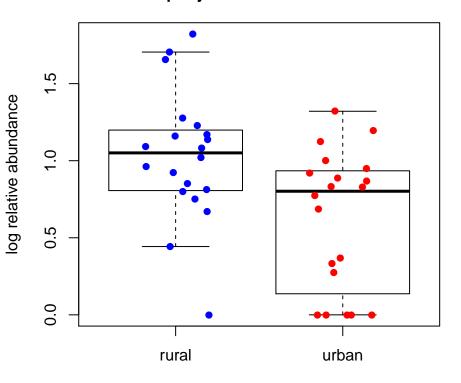
### WGS genus: Rhodospirillum pAdjRuralUrban= 0.0586



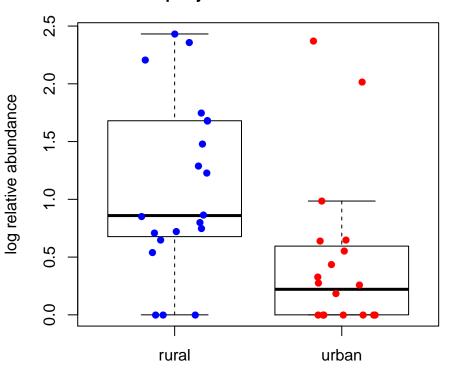
WGS genus: Slackia pAdjRuralUrban= 0.0596



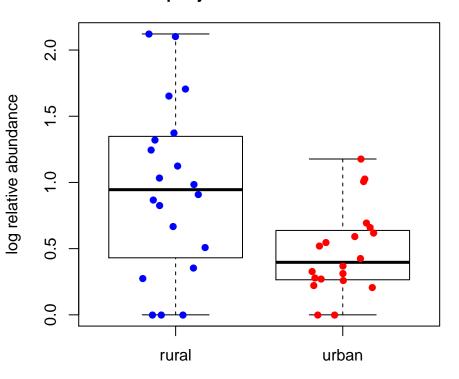
### WGS genus: Cryptobacterium pAdjRuralUrban= 0.0596



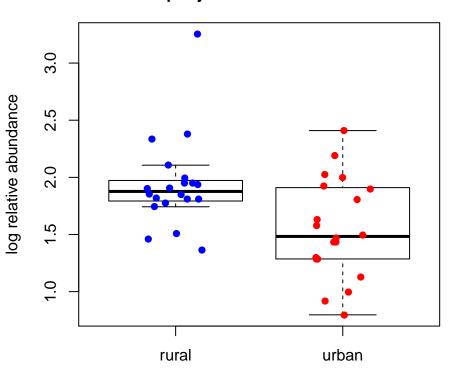
WGS genus: Oligotropha pAdjRuralUrban= 0.0604



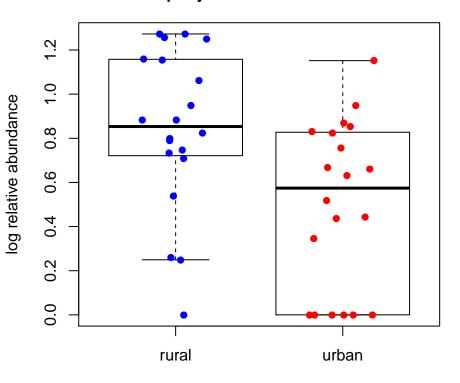
### WGS genus: Ilumatobacter pAdjRuralUrban= 0.0615



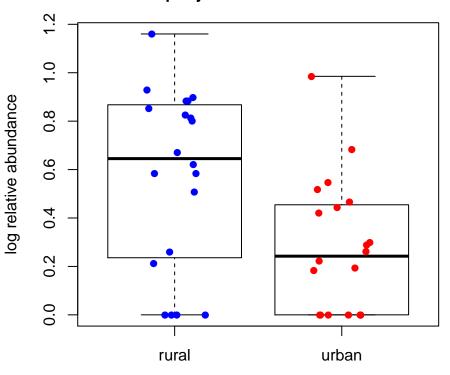
### WGS genus: Staphylococcus pAdjRuralUrban= 0.0637



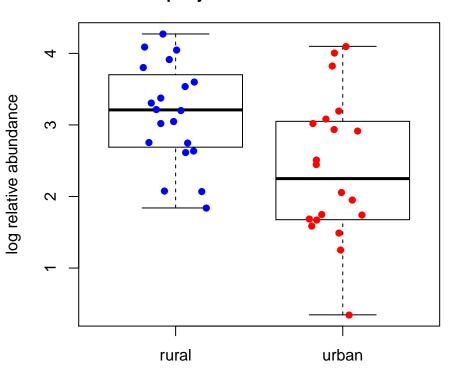
### WGS genus: Ignavibacterium pAdjRuralUrban= 0.0652



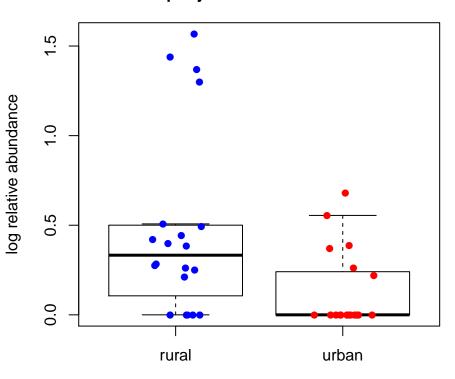
WGS genus: Salinibacter pAdjRuralUrban= 0.0652



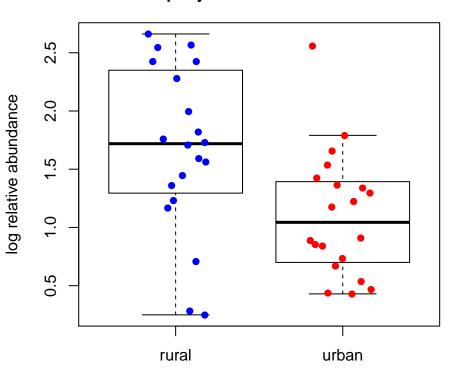
### WGS genus: Haemophilus pAdjRuralUrban= 0.0686



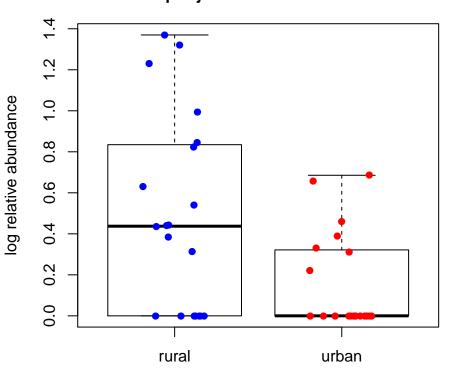
## WGS genus: Fervidobacterium pAdjRuralUrban= 0.0686



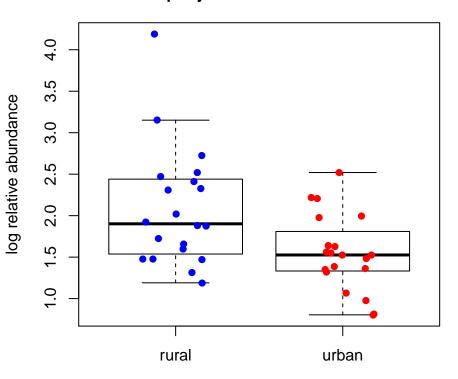
WGS genus: Pedobacter pAdjRuralUrban= 0.0711



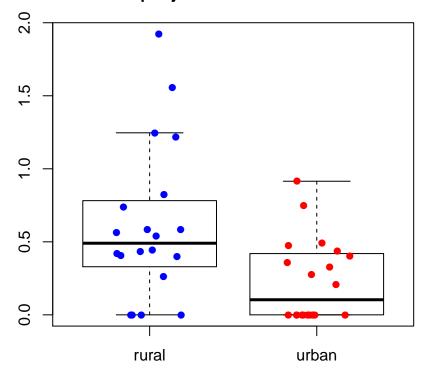
### WGS genus: Candidatus\_Blochmannia pAdjRuralUrban= 0.0711



### WGS genus: Lactococcus pAdjRuralUrban= 0.0711

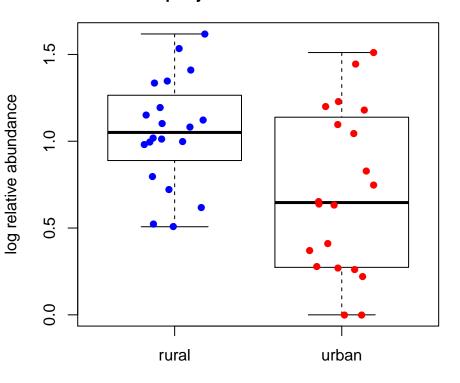


### WGS genus: Erythrobacter pAdjRuralUrban= 0.0738

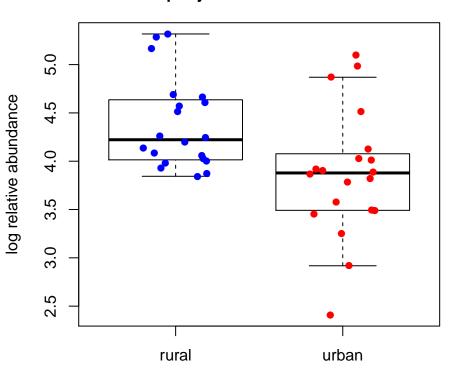


log relative abundance

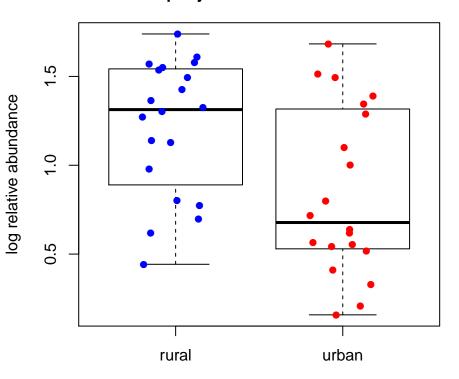
### WGS genus: Nitrosomonas pAdjRuralUrban= 0.0772



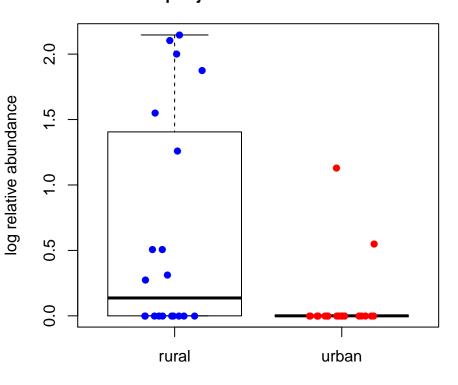
### WGS genus: Coprococcus pAdjRuralUrban= 0.0772



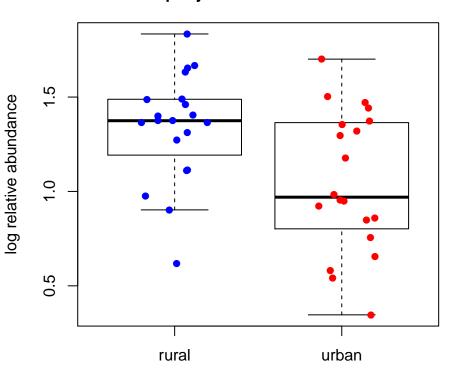
### WGS genus: Moorella pAdjRuralUrban= 0.0799



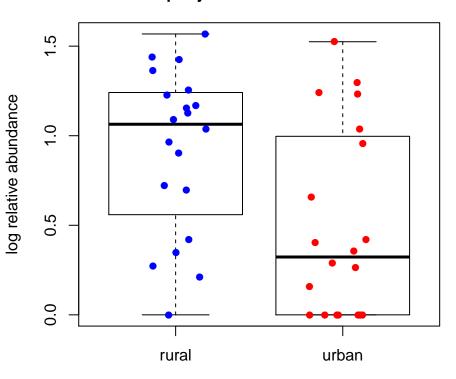
### WGS genus: Candidatus\_Cardinium pAdjRuralUrban= 0.0812



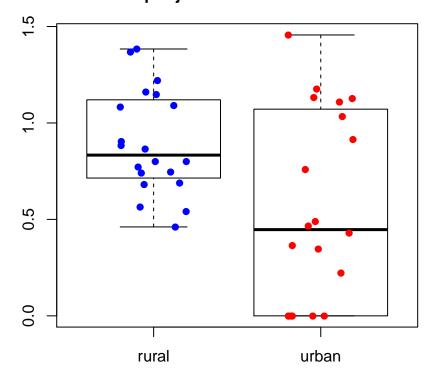
### WGS genus: Cupriavidus pAdjRuralUrban= 0.0812



### WGS genus: Taylorella pAdjRuralUrban= 0.0812

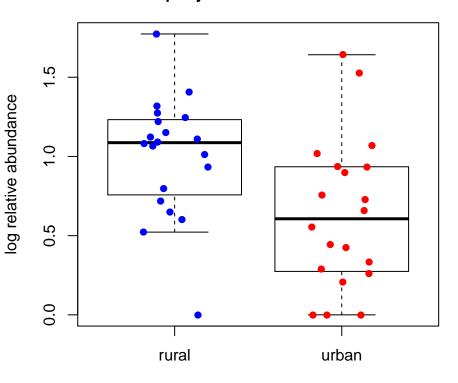


### WGS genus: Candidatus\_Chloracidobacterium pAdjRuralUrban= 0.0812

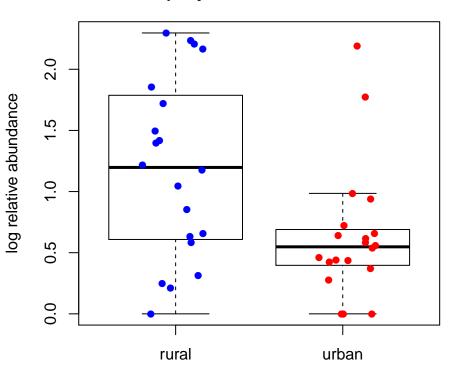


log relative abundance

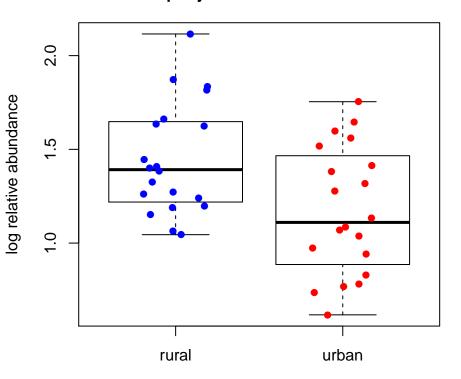
### WGS genus: Pelotomaculum pAdjRuralUrban= 0.0812



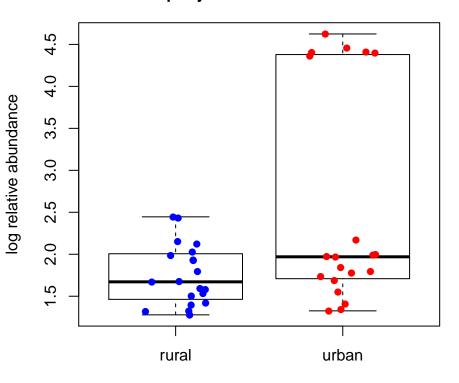
### WGS genus: Gordonia pAdjRuralUrban= 0.0815



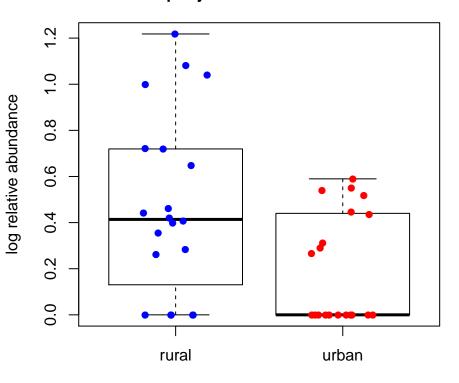
### WGS genus: Caldicellulosiruptor pAdjRuralUrban= 0.0816



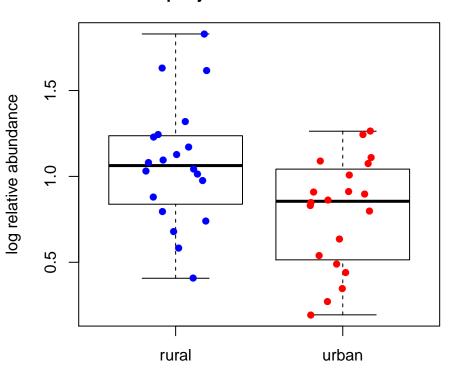
# WGS genus: Alteromonas pAdjRuralUrban= 0.0826



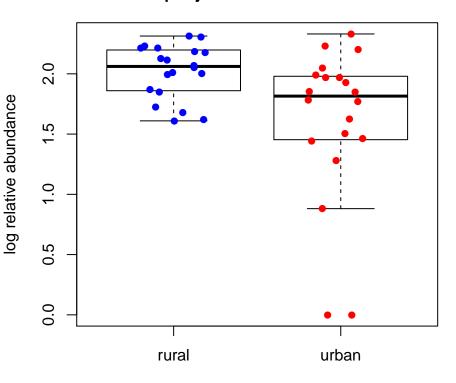
# WGS genus: Mesoplasma pAdjRuralUrban= 0.0826



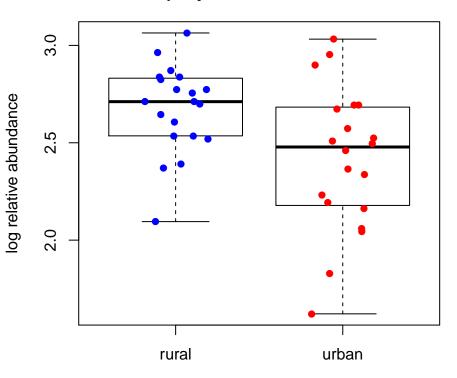
# WGS genus: Meiothermus pAdjRuralUrban= 0.0826



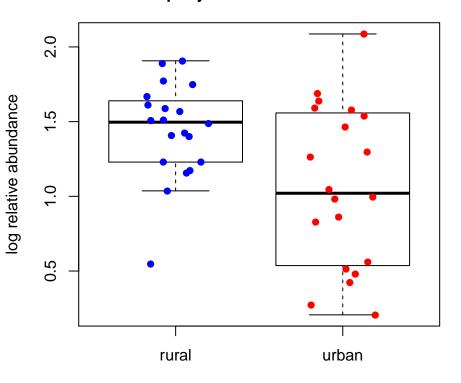
# WGS genus: Anaerococcus pAdjRuralUrban= 0.0826



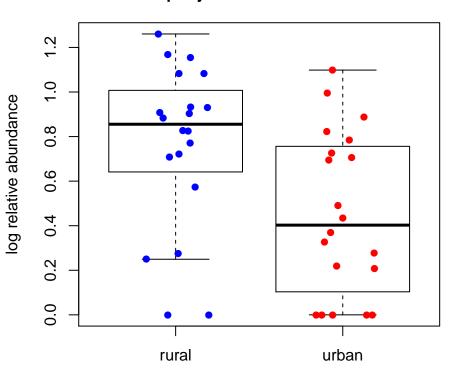
# WGS genus: Butyrivibrio pAdjRuralUrban= 0.0826



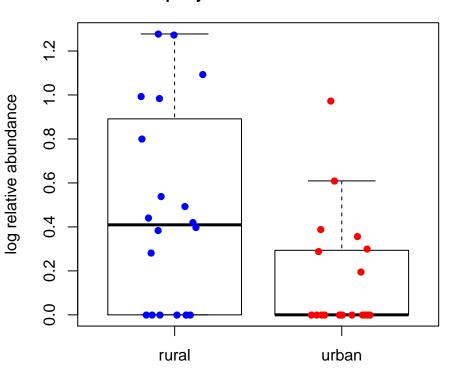
# WGS genus: Thioalkalivibrio pAdjRuralUrban= 0.0826



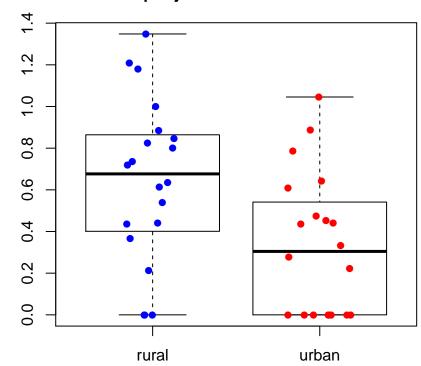
# WGS genus: Micrococcus pAdjRuralUrban= 0.0826



# WGS genus: Methylocystis pAdjRuralUrban= 0.0826

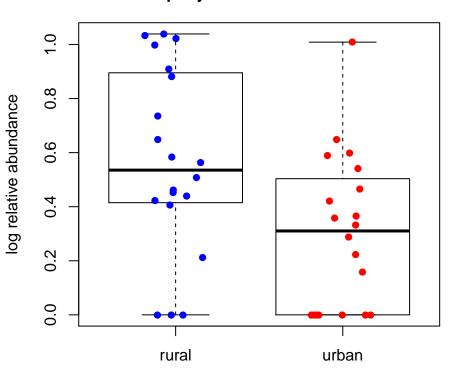


WGS genus: Nitrospira pAdjRuralUrban= 0.0826

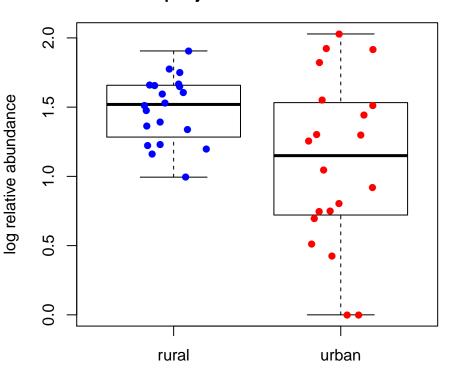


log relative abundance

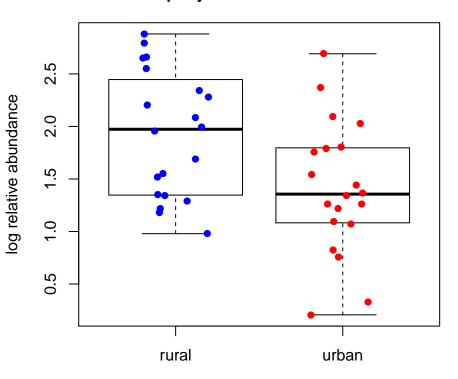
WGS genus: Nostoc pAdjRuralUrban= 0.0826



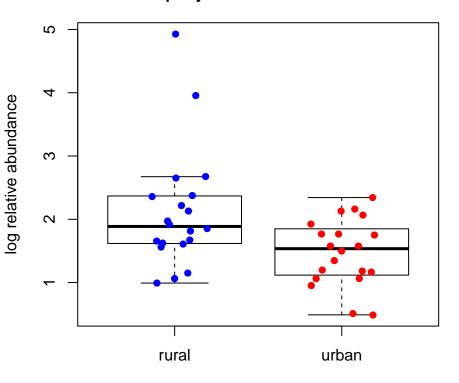
# WGS genus: Thermobacillus pAdjRuralUrban= 0.0826



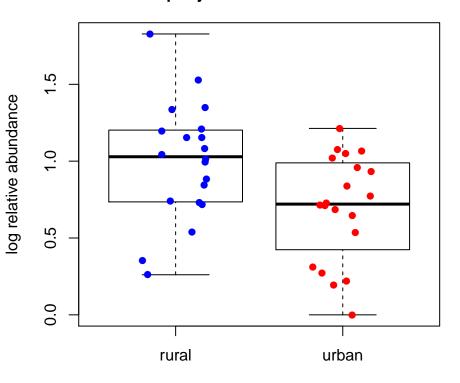
WGS genus: Rothia pAdjRuralUrban= 0.0826



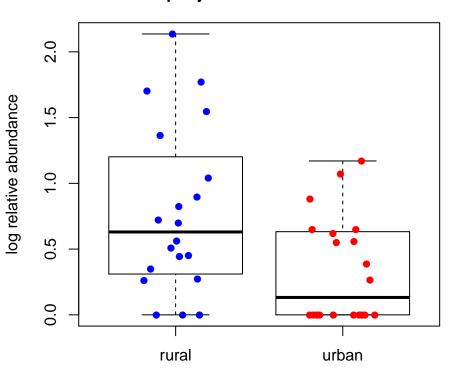
# WGS genus: Megasphaera pAdjRuralUrban= 0.0826



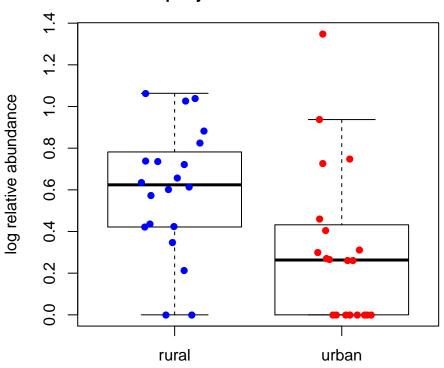
# WGS genus: Acidithiobacillus pAdjRuralUrban= 0.0826



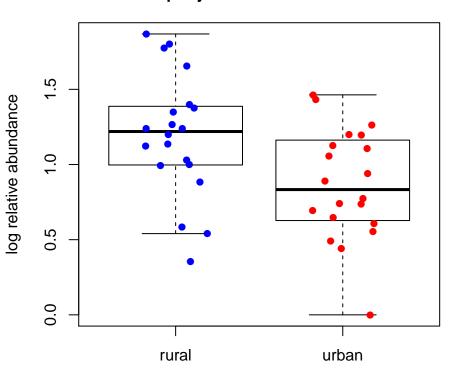
WGS genus: Muricauda pAdjRuralUrban= 0.0826



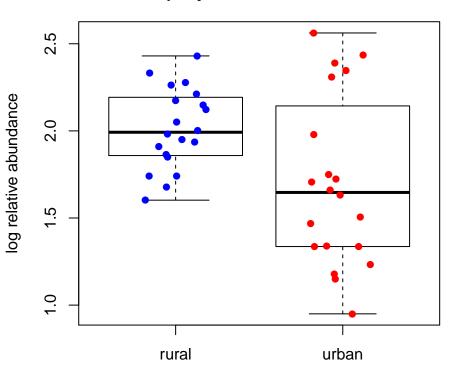
# WGS genus: Sulfurospirillum pAdjRuralUrban= 0.0826



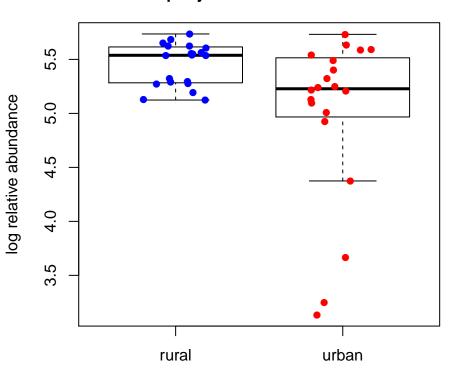
WGS genus: Delftia pAdjRuralUrban= 0.0826



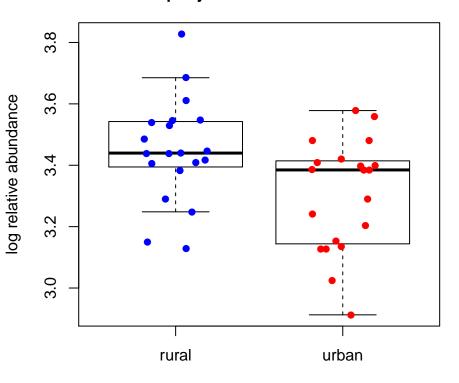
# WGS genus: Desulfotomaculum pAdjRuralUrban= 0.0826



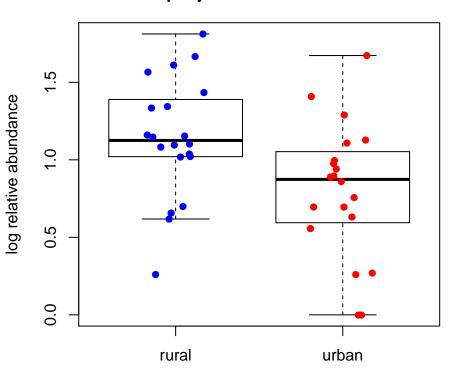
# WGS genus: Faecalibacterium pAdjRuralUrban= 0.0826



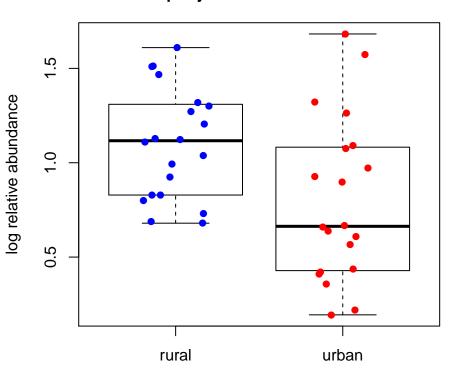
# WGS genus: Peptoclostridium pAdjRuralUrban= 0.0826



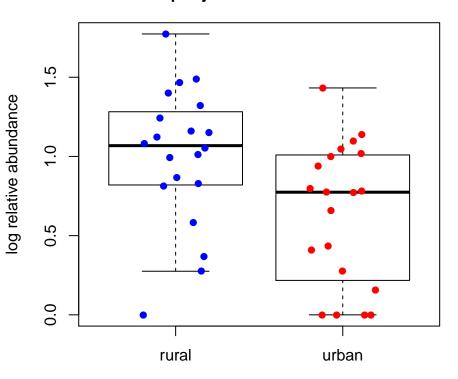
WGS genus: Leptothrix pAdjRuralUrban= 0.0826



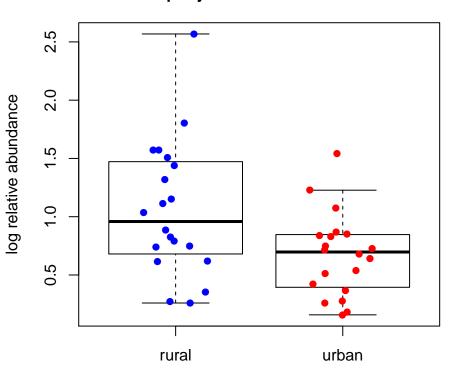
# WGS genus: Chromobacterium pAdjRuralUrban= 0.0826



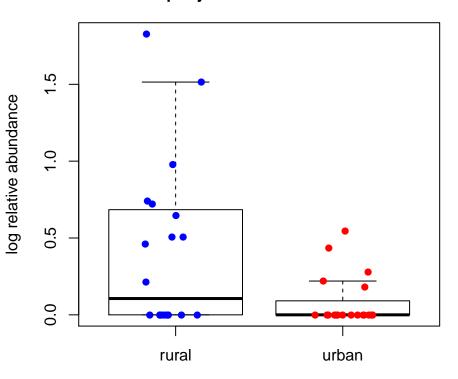
# WGS genus: Alicycliphilus pAdjRuralUrban= 0.083



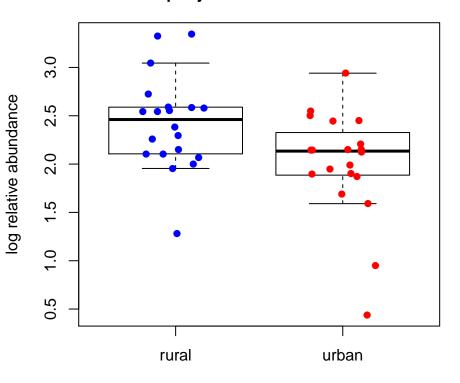
# WGS genus: Stenotrophomonas pAdjRuralUrban= 0.0908



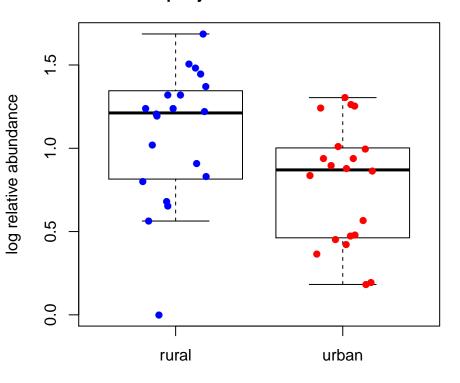
# WGS genus: Synechocystis pAdjRuralUrban= 0.0908



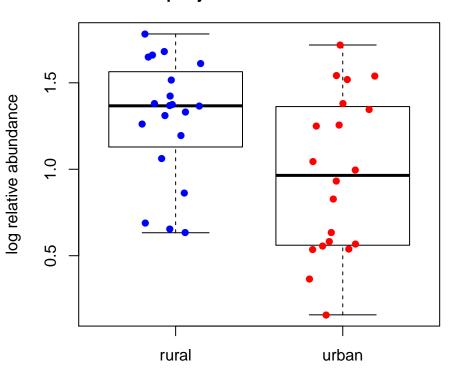
# WGS genus: Acidaminococcus pAdjRuralUrban= 0.0928



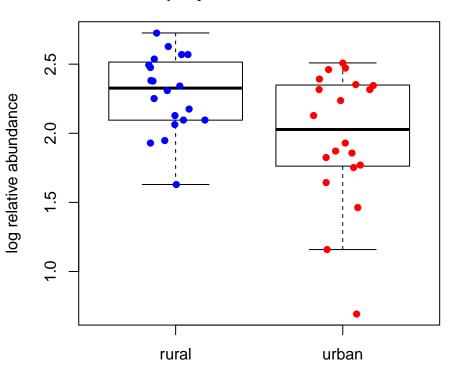
# WGS genus: Thermoanaerobacter pAdjRuralUrban= 0.0933



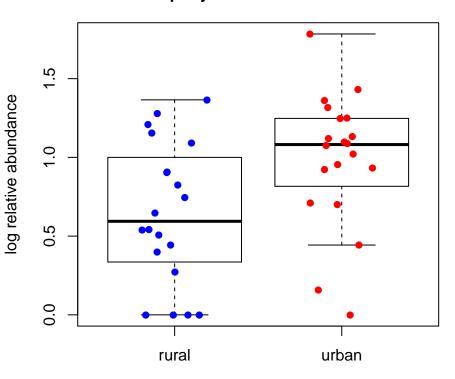
# WGS genus: Achromobacter pAdjRuralUrban= 0.0933



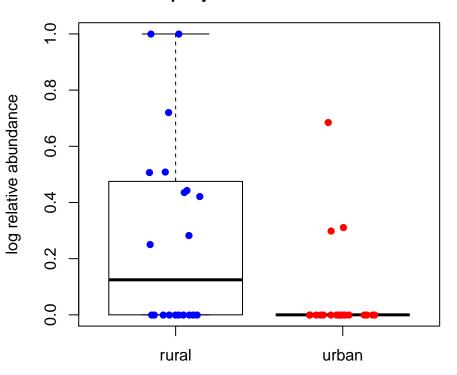
# WGS genus: Brachyspira pAdjRuralUrban= 0.0958



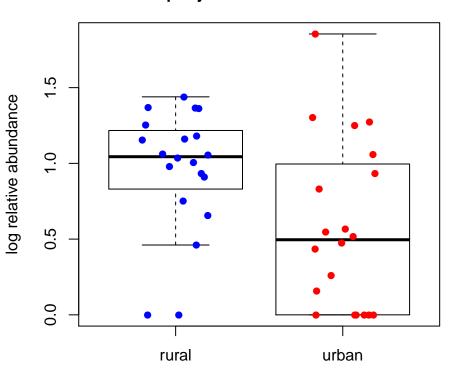
# WGS genus: Photobacterium pAdjRuralUrban= 0.096



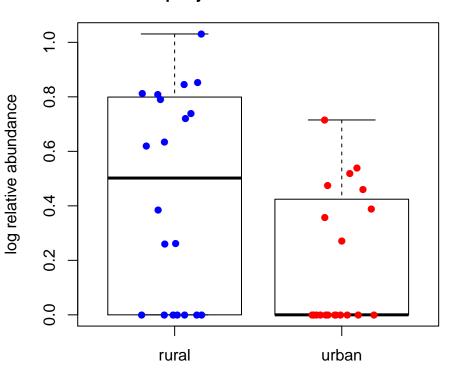
WGS genus: Ureaplasma pAdjRuralUrban= 0.096



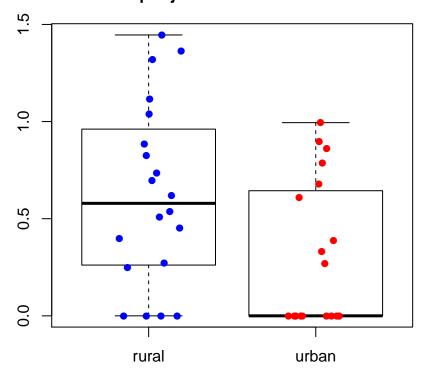
# WGS genus: Corallococcus pAdjRuralUrban= 0.0967



# WGS genus: Hydrogenobaculum pAdjRuralUrban= 0.0967

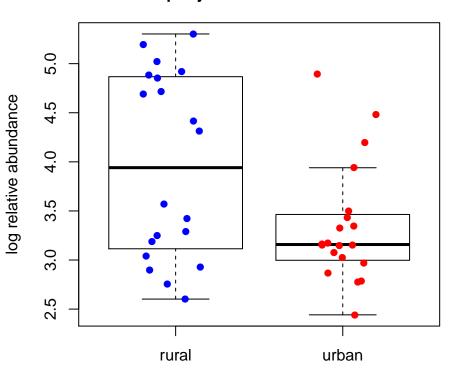


# WGS genus: Candidatus\_Accumulibacter pAdjRuralUrban= 0.0967

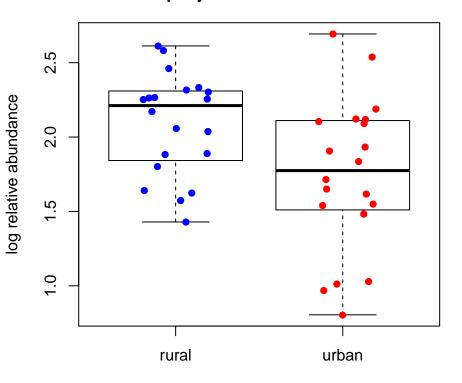


log relative abundance

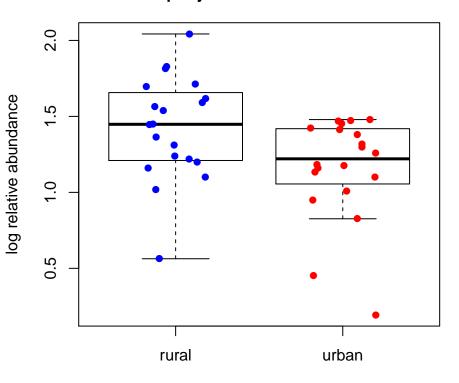
# WGS genus: Prevotella pAdjRuralUrban= 0.0967



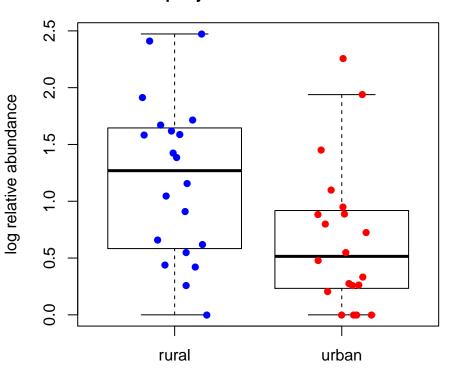
# WGS genus: Burkholderia pAdjRuralUrban= 0.0967



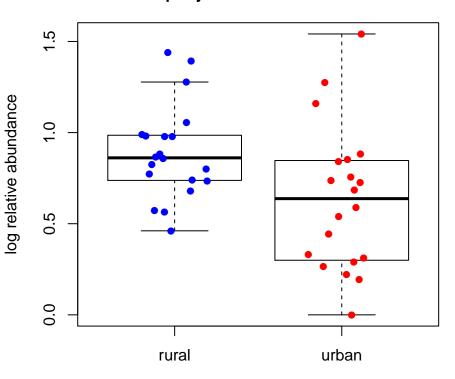
# WGS genus: Desulfosporosinus pAdjRuralUrban= 0.0967



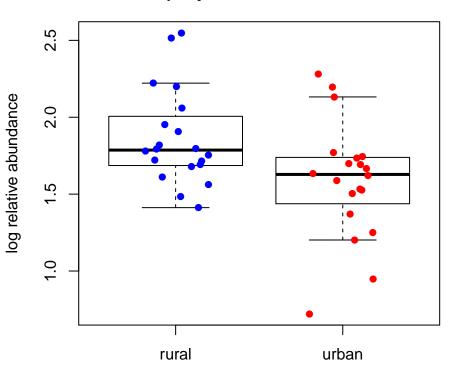
# WGS genus: Aromatoleum pAdjRuralUrban= 0.0967



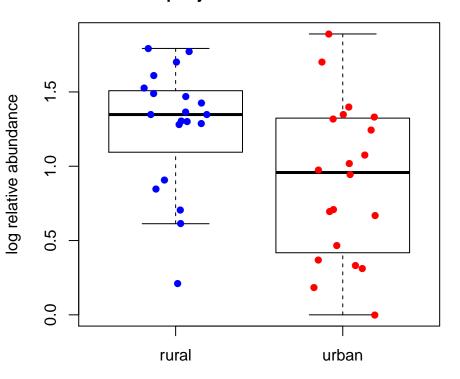
WGS genus: Sebaldella pAdjRuralUrban= 0.0967



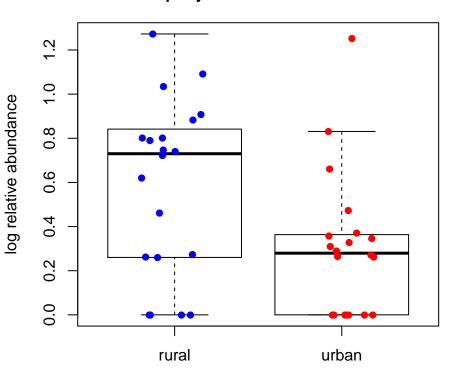
# WGS genus: Filifactor pAdjRuralUrban= 0.0967



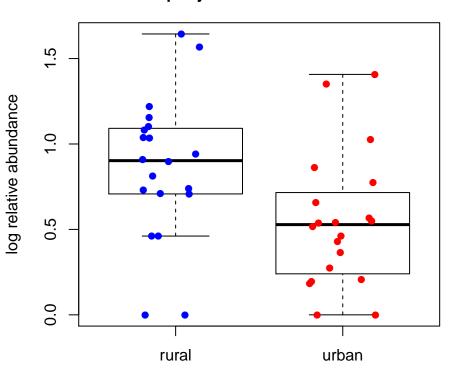
# WGS genus: Rhodothermus pAdjRuralUrban= 0.0968



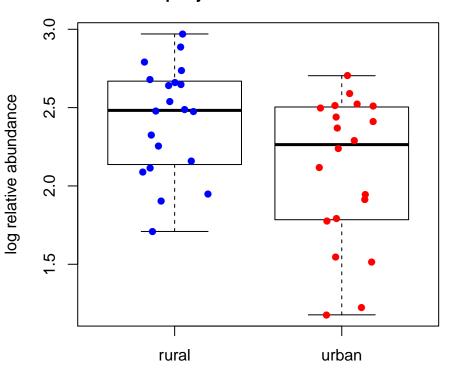
# WGS genus: Saccharothrix pAdjRuralUrban= 0.0975



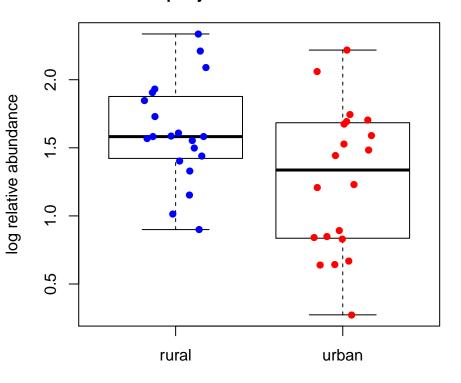
# WGS genus: Nocardiopsis pAdjRuralUrban= 0.0975



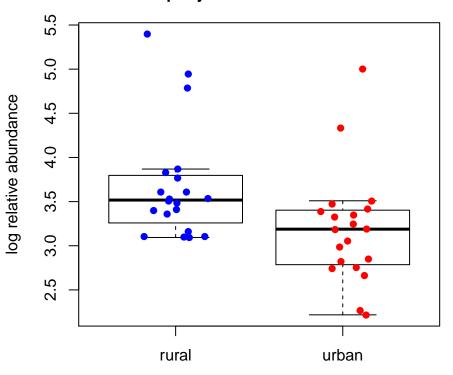
# WGS genus: Desulfovibrio pAdjRuralUrban= 0.0975



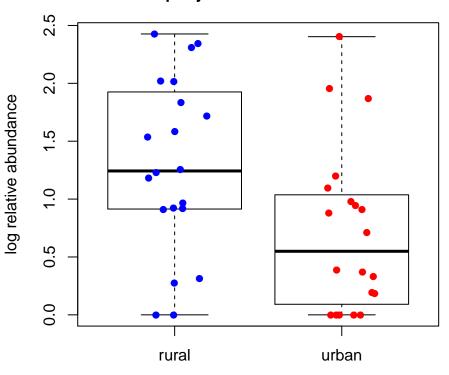
# WGS genus: Ralstonia pAdjRuralUrban= 0.0999



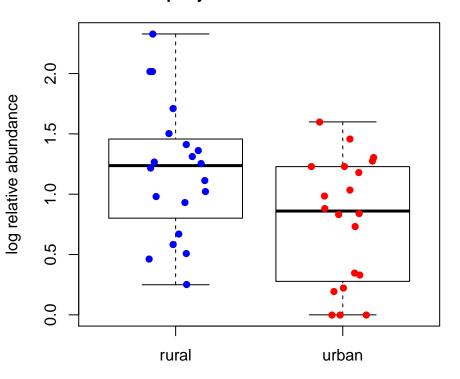
# WGS genus: Ruminiclostridium pAdjRuralUrban= 0.0999



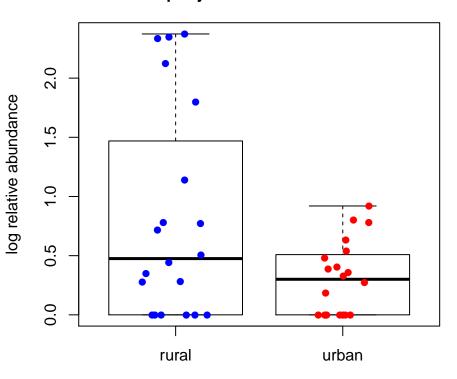
# WGS genus: Dehalococcoides pAdjRuralUrban= 0.0999



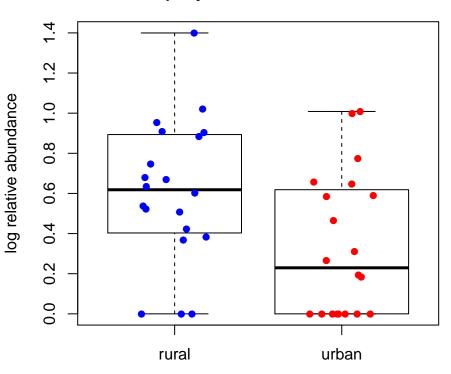
# WGS genus: Calditerrivibrio pAdjRuralUrban= 0.0999



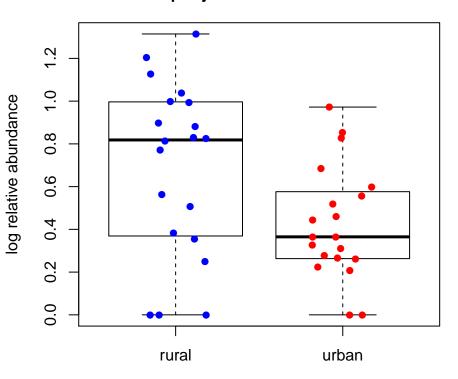
WGS genus: Saprospira pAdjRuralUrban= 0.0999



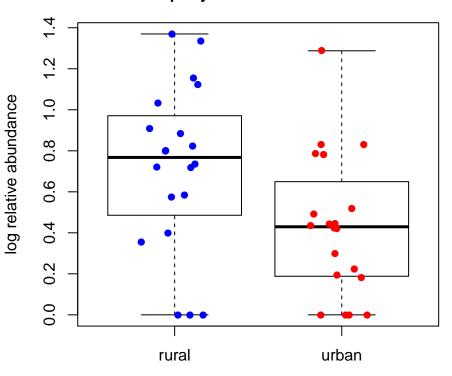
# WGS genus: Isoptericola pAdjRuralUrban= 0.0999



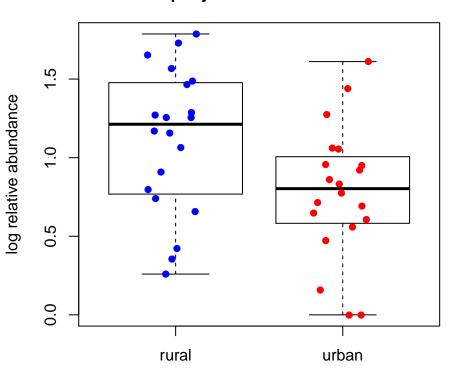
# WGS genus: Methylococcus pAdjRuralUrban= 0.102



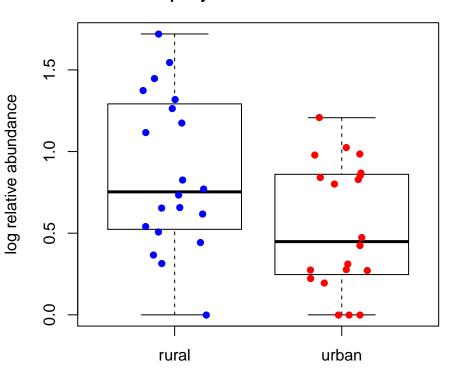
# WGS genus: Desulfobulbus pAdjRuralUrban= 0.102



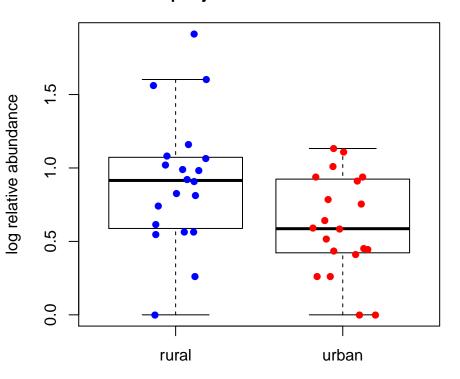
# WGS genus: Novosphingobium pAdjRuralUrban= 0.102



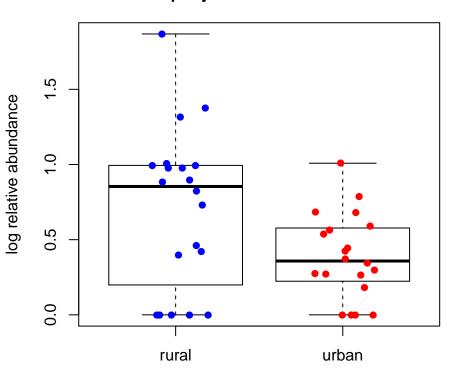
# WGS genus: Blattabacterium pAdjRuralUrban= 0.102



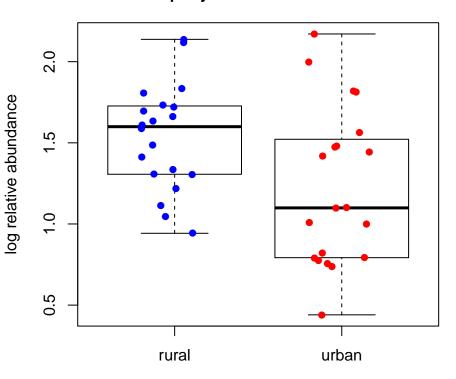
# WGS genus: Terriglobus pAdjRuralUrban= 0.105



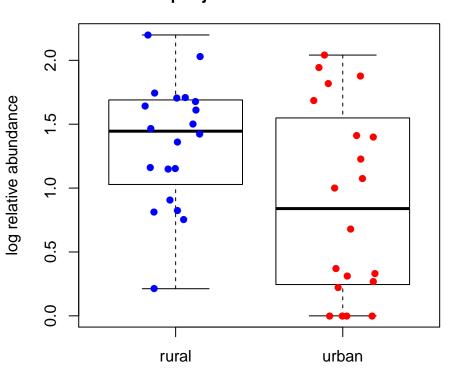
# WGS genus: Cyanothece pAdjRuralUrban= 0.105



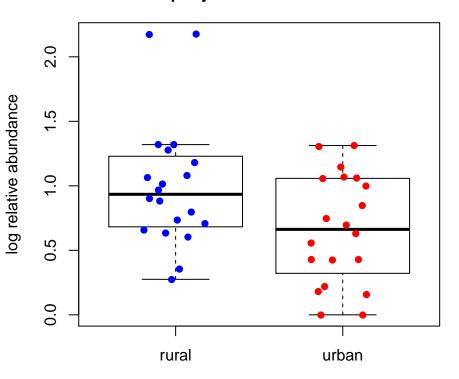
# WGS genus: Sorangium pAdjRuralUrban= 0.105



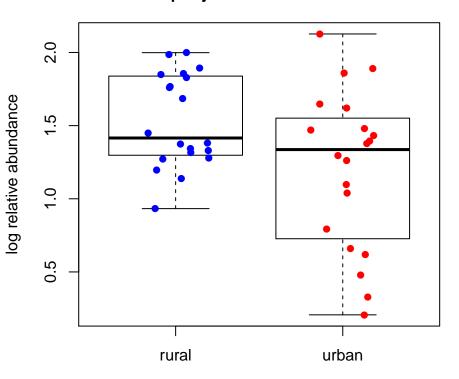
# WGS genus: Candidatus\_Phytoplasma pAdjRuralUrban= 0.108



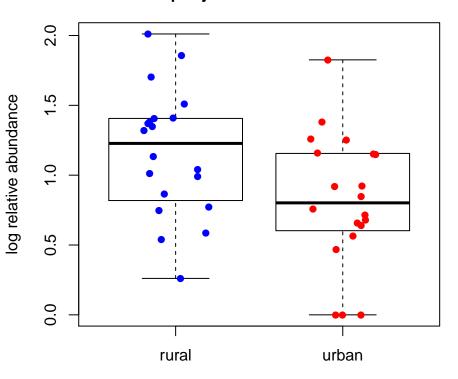
# WGS genus: Oceanimonas pAdjRuralUrban= 0.109



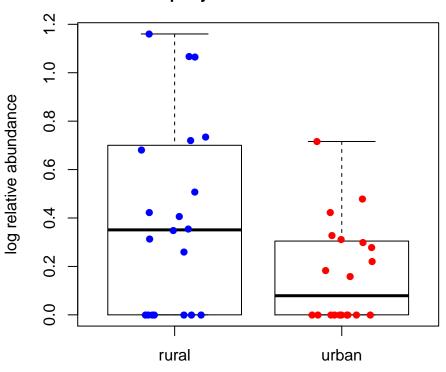
# WGS genus: Mycoplasma pAdjRuralUrban= 0.109



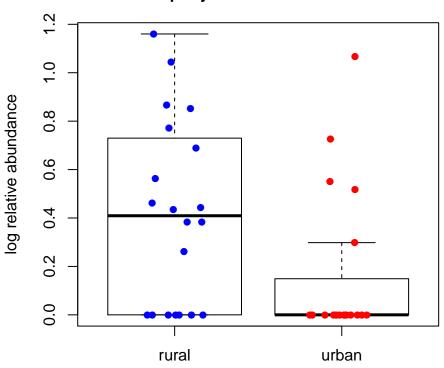
# WGS genus: Carboxydothermus pAdjRuralUrban= 0.109



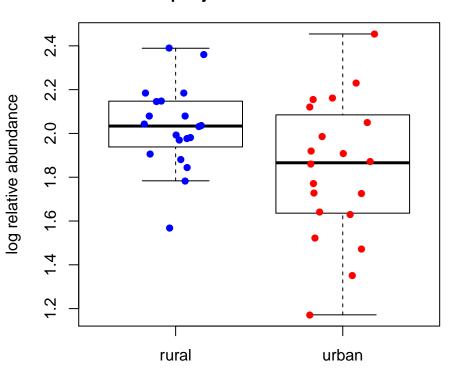
# WGS genus: Methanosaeta pAdjRuralUrban= 0.109



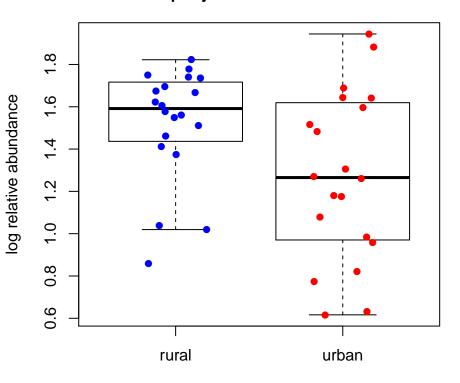
WGS genus: Maricaulis pAdjRuralUrban= 0.109



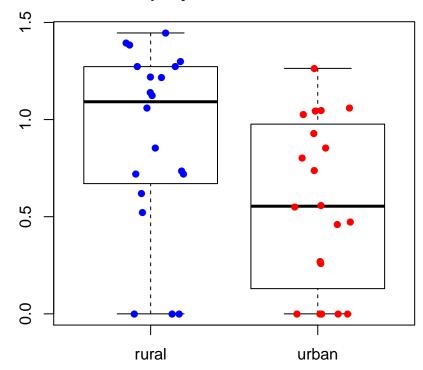
# WGS genus: Paenibacillus pAdjRuralUrban= 0.109



# WGS genus: Agrobacterium pAdjRuralUrban= 0.109

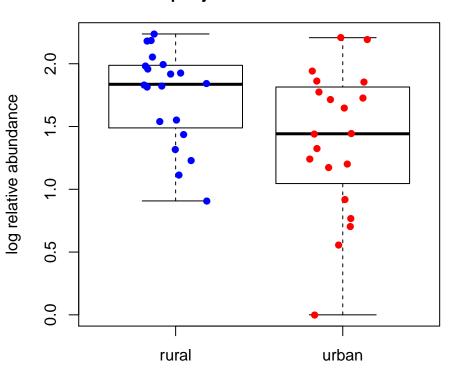


WGS genus: Marivirga pAdjRuralUrban= 0.11

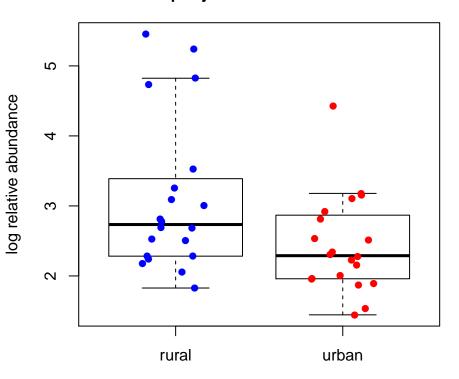


log relative abundance

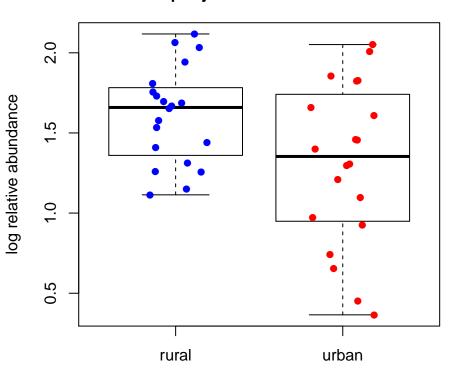
# WGS genus: Deinococcus pAdjRuralUrban= 0.111



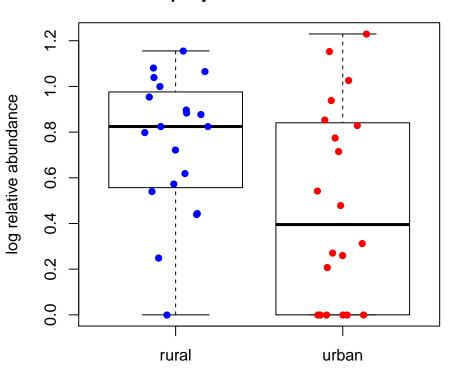
# WGS genus: Lactobacillus pAdjRuralUrban= 0.113



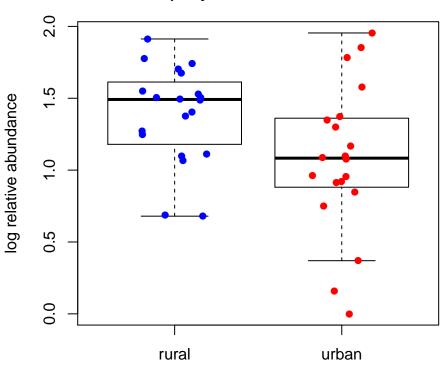
# WGS genus: Mobiluncus pAdjRuralUrban= 0.113



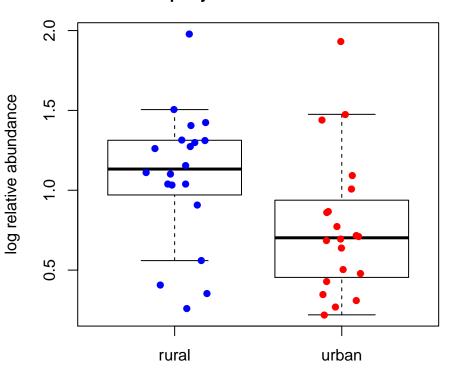
# WGS genus: Desulfatibacillum pAdjRuralUrban= 0.113



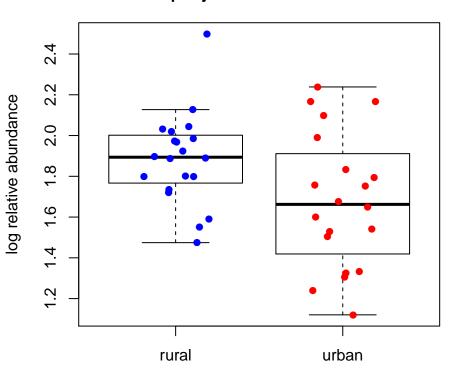
WGS genus: Bordetella pAdjRuralUrban= 0.113



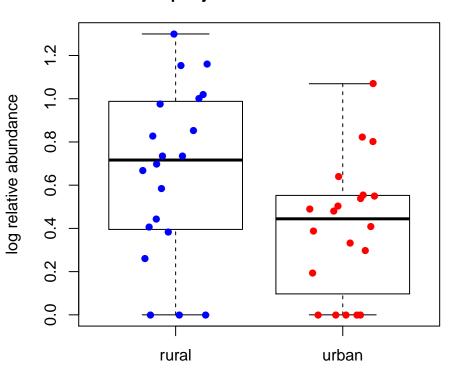
# WGS genus: Alicyclobacillus pAdjRuralUrban= 0.113



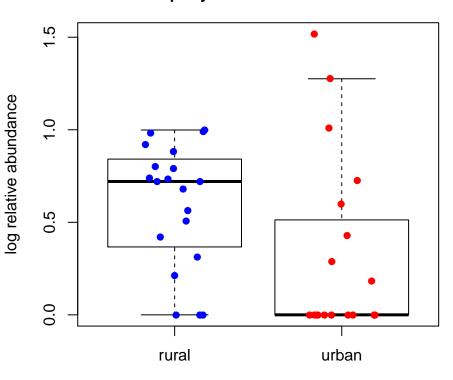
## WGS genus: Cellulosilyticum pAdjRuralUrban= 0.114



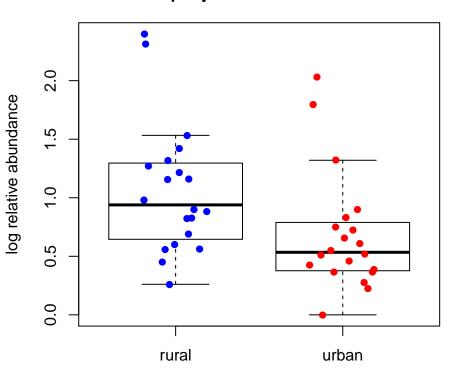
## WGS genus: Brachybacterium pAdjRuralUrban= 0.114



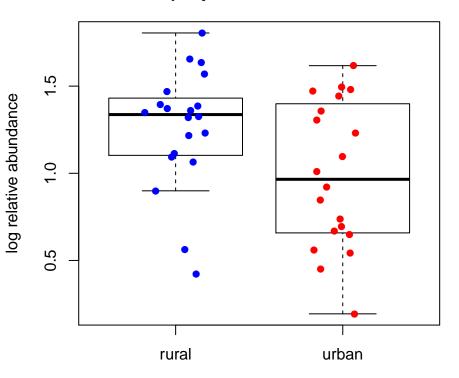
## WGS genus: Marinithermus pAdjRuralUrban= 0.115



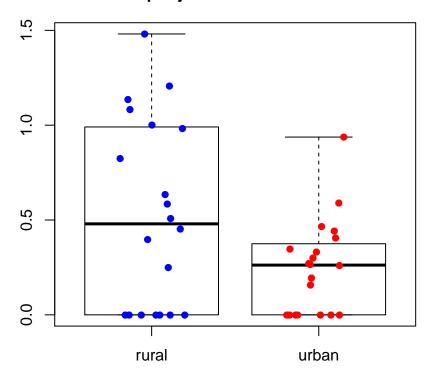
## WGS genus: Acinetobacter pAdjRuralUrban= 0.117



## WGS genus: Gloeobacter pAdjRuralUrban= 0.117

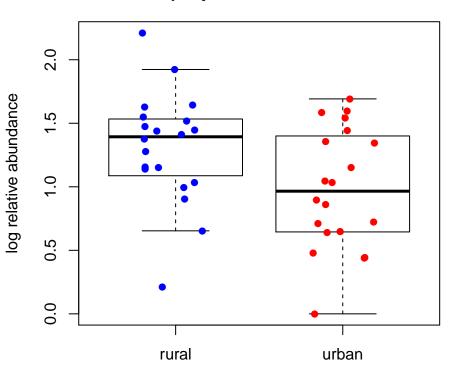


## WGS genus: Methylovorus pAdjRuralUrban= 0.118

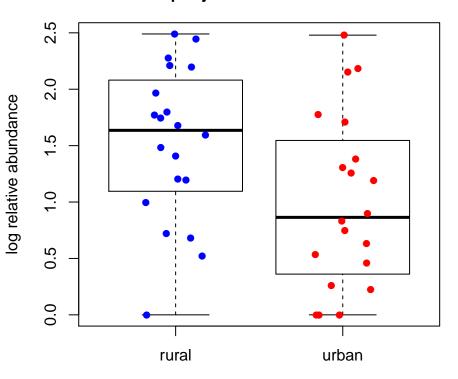


log relative abundance

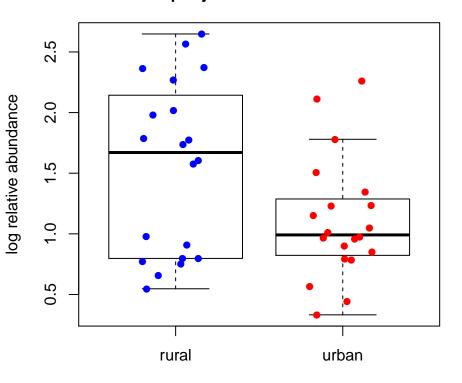
WGS genus: Variovorax pAdjRuralUrban= 0.118



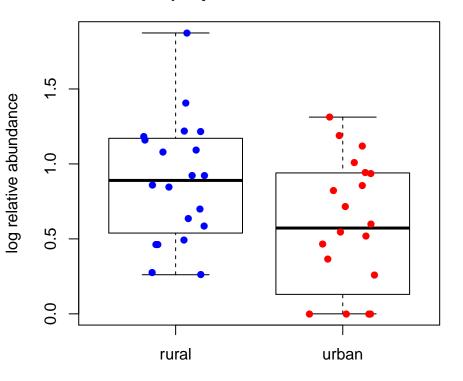
## WGS genus: Aggregatibacter pAdjRuralUrban= 0.119



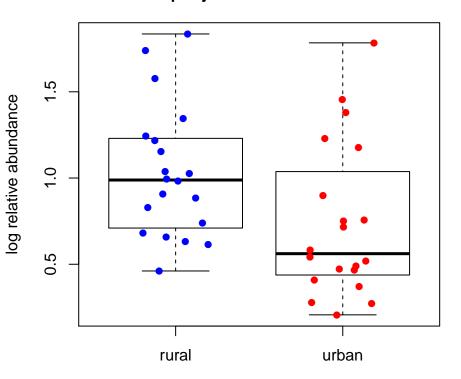
## WGS genus: Exiguobacterium pAdjRuralUrban= 0.122



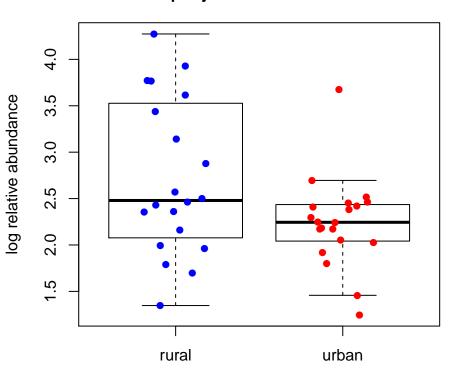
## WGS genus: Candidatus\_Solibacter pAdjRuralUrban= 0.122



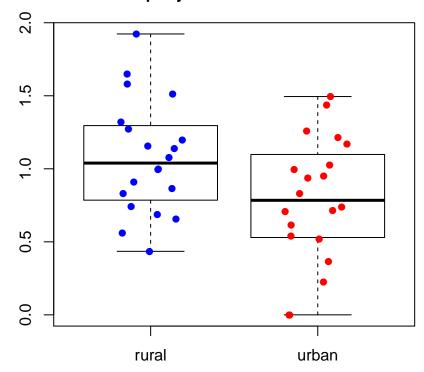
## WGS genus: Caldanaerobacter pAdjRuralUrban= 0.124



## WGS genus: Porphyromonas pAdjRuralUrban= 0.124

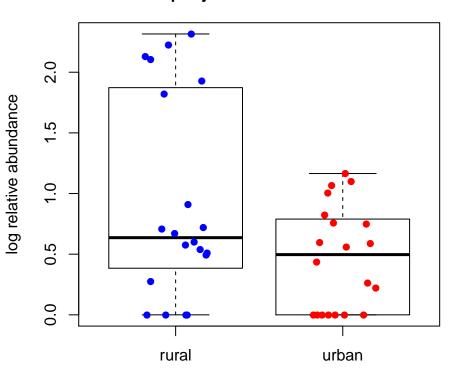


WGS genus: Bartonella pAdjRuralUrban= 0.124

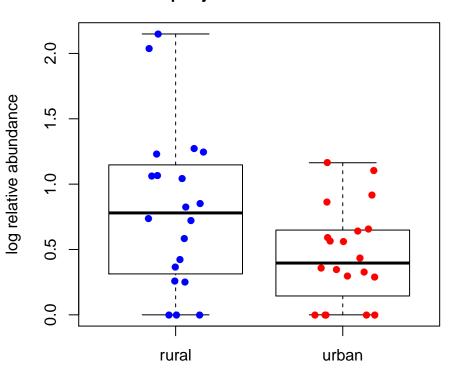


log relative abundance

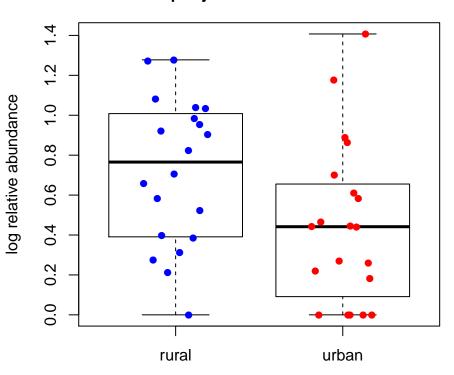
# WGS genus: Tolumonas pAdjRuralUrban= 0.126



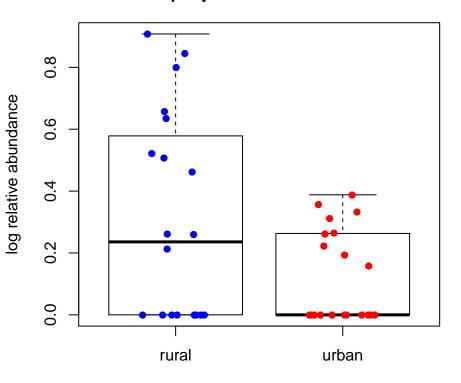
WGS genus: Basfia pAdjRuralUrban= 0.126



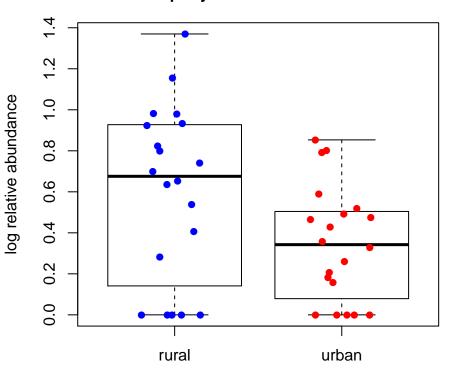
## WGS genus: Kytococcus pAdjRuralUrban= 0.127



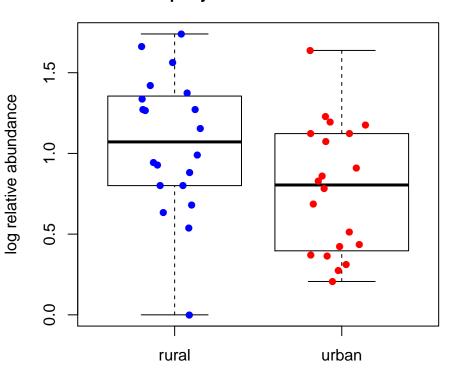
## WGS genus: Candidatus\_Midichloria pAdjRuralUrban= 0.127



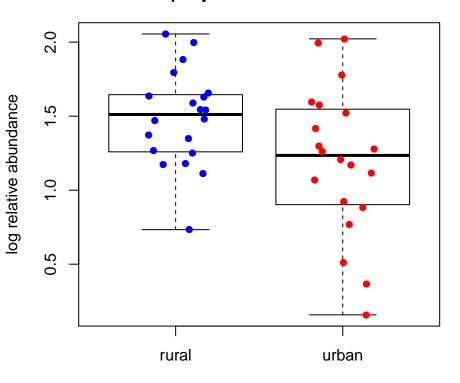
#### WGS genus: Verrucosispora pAdjRuralUrban= 0.127



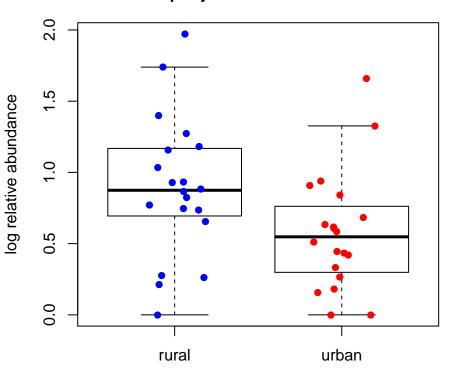
## WGS genus: Mesorhizobium pAdjRuralUrban= 0.127



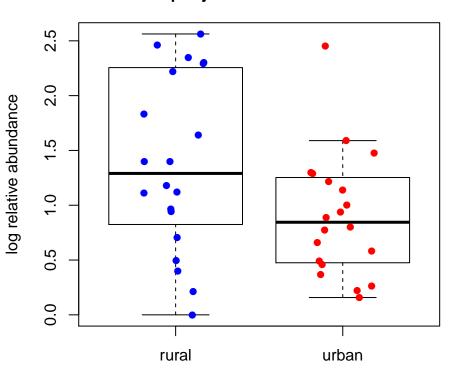
## WGS genus: Methylobacterium pAdjRuralUrban= 0.127



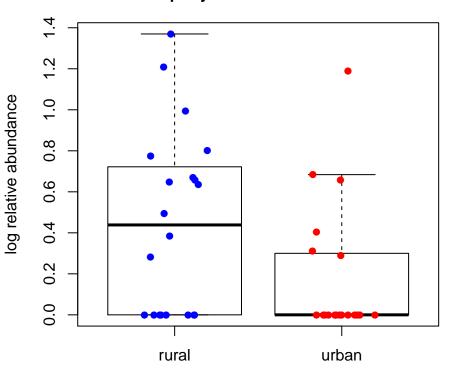
## WGS genus: Acidobacterium pAdjRuralUrban= 0.127



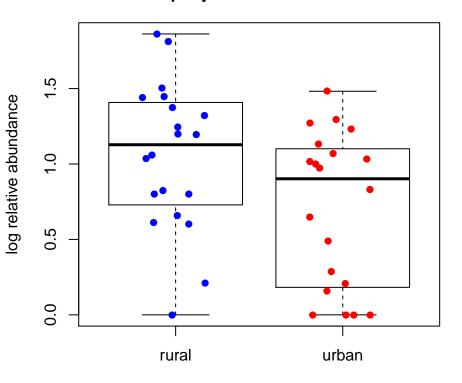
## WGS genus: Photorhabdus pAdjRuralUrban= 0.127



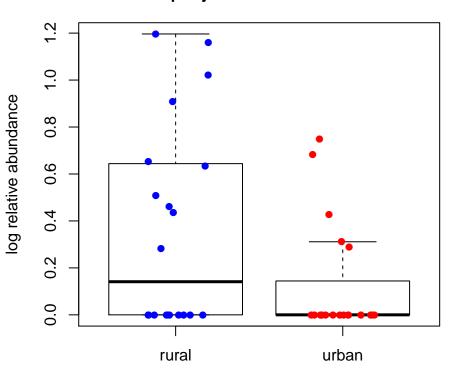
## WGS genus: Verminephrobacter pAdjRuralUrban= 0.127



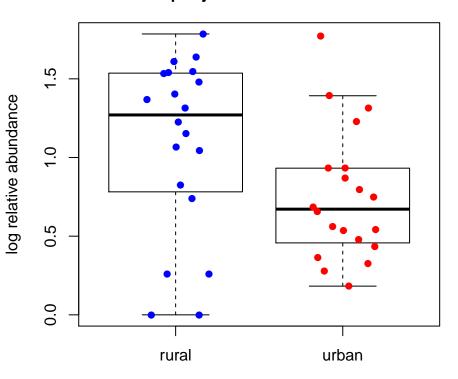
## WGS genus: Asticcacaulis pAdjRuralUrban= 0.129



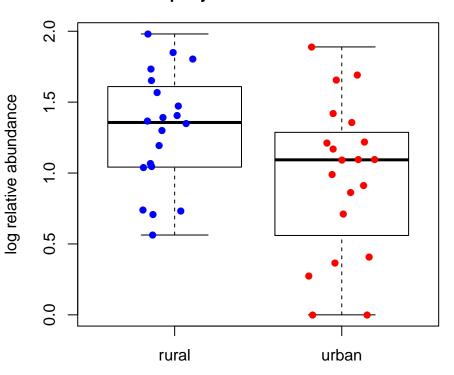
## WGS genus: Komagataeibacter pAdjRuralUrban= 0.129



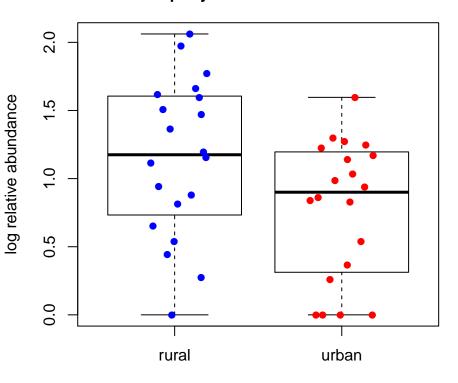
## WGS genus: Salinispora pAdjRuralUrban= 0.129



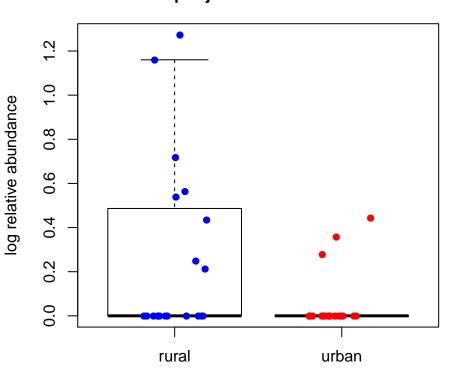
## WGS genus: Fibrobacter pAdjRuralUrban= 0.129



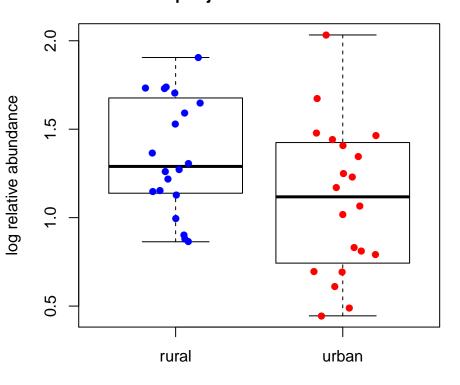
## WGS genus: Lawsonia pAdjRuralUrban= 0.129



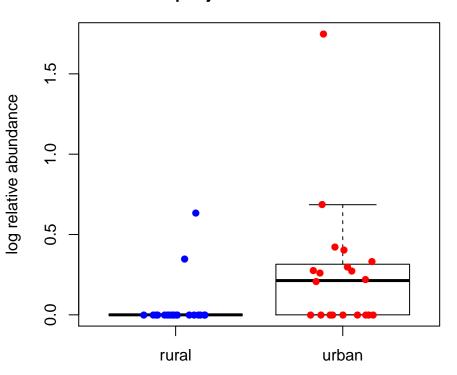
## WGS genus: Pyrobaculum pAdjRuralUrban= 0.13



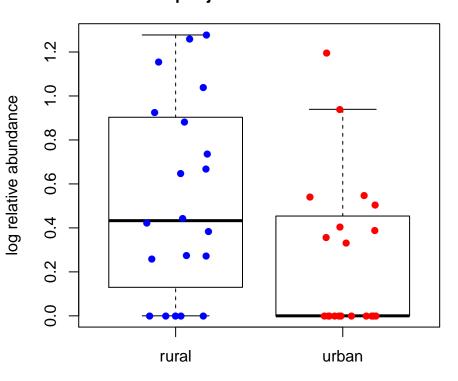
## WGS genus: Magnetospirillum pAdjRuralUrban= 0.13



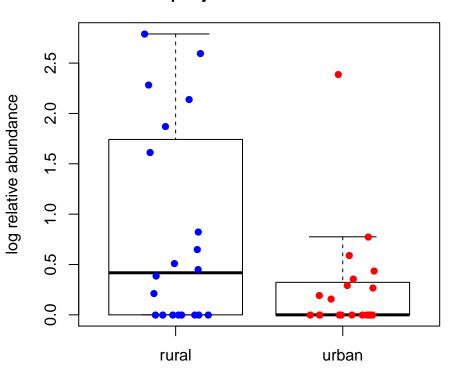
WGS genus: Beijerinckia pAdjRuralUrban= 0.13



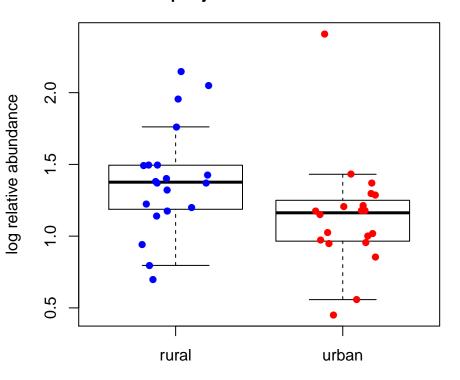
## WGS genus: Desulfomonile pAdjRuralUrban= 0.13



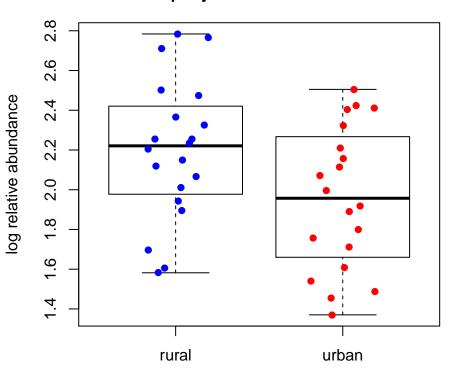
WGS genus: Cytophaga pAdjRuralUrban= 0.131



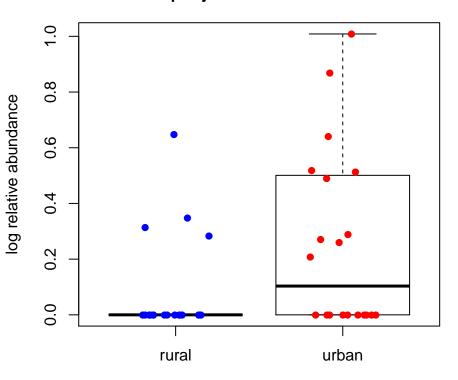
## WGS genus: Erysipelothrix pAdjRuralUrban= 0.131



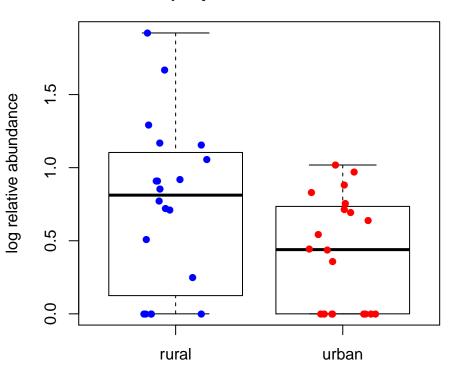
## WGS genus: Selenomonas pAdjRuralUrban= 0.131



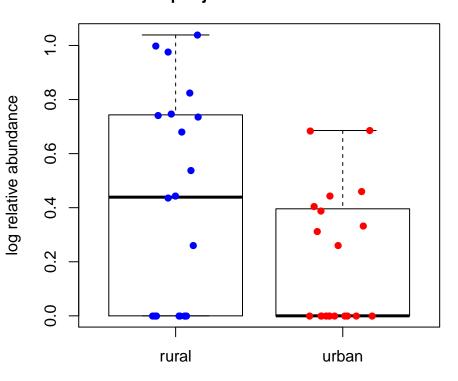
## WGS genus: Thermomicrobium pAdjRuralUrban= 0.131



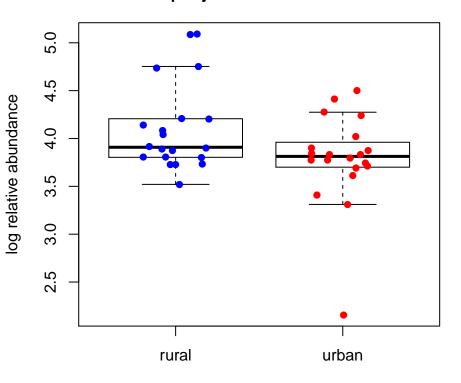
## WGS genus: Bibersteinia pAdjRuralUrban= 0.131



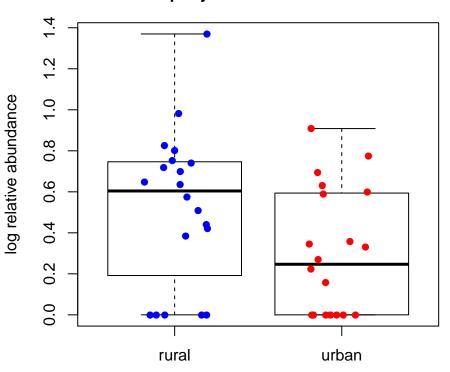
## WGS genus: Leptospirillum pAdjRuralUrban= 0.131



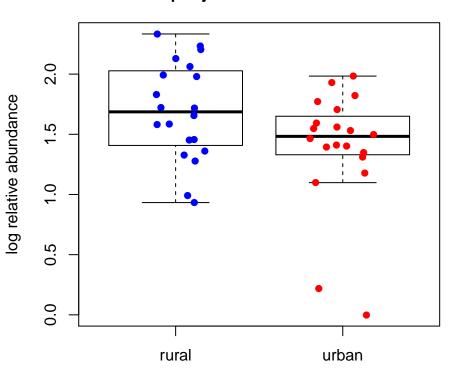
## WGS genus: Bifidobacterium pAdjRuralUrban= 0.131



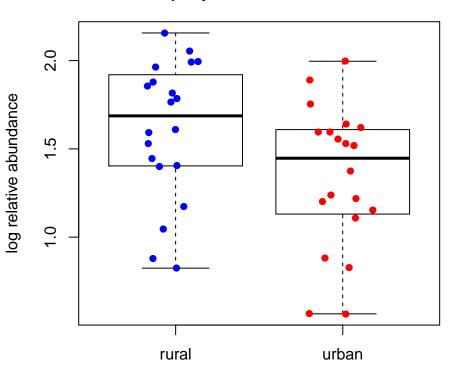
## WGS genus: Sulfurovum pAdjRuralUrban= 0.131



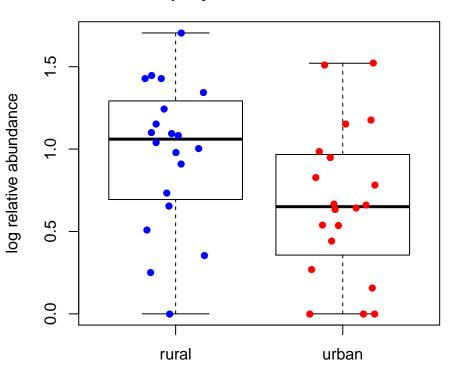
WGS genus: Fibrella pAdjRuralUrban= 0.132



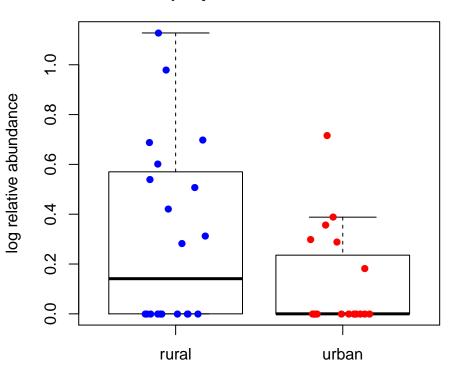
# WGS genus: Spirochaeta pAdjRuralUrban= 0.132



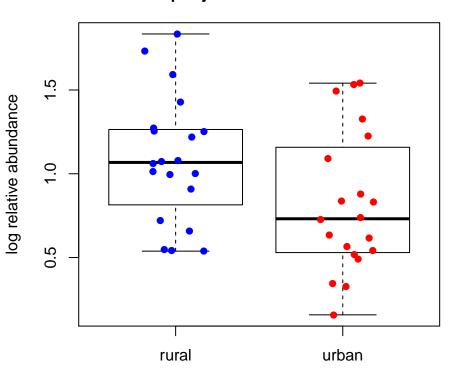
## WGS genus: Rubrivivax pAdjRuralUrban= 0.133



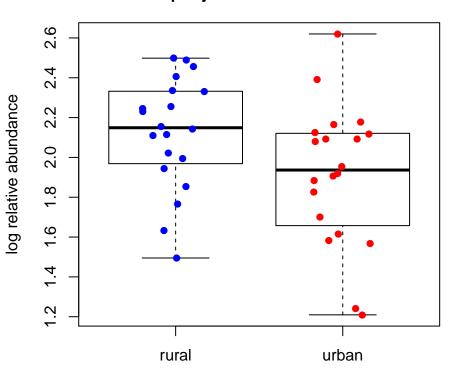
WGS genus: Calothrix pAdjRuralUrban= 0.133



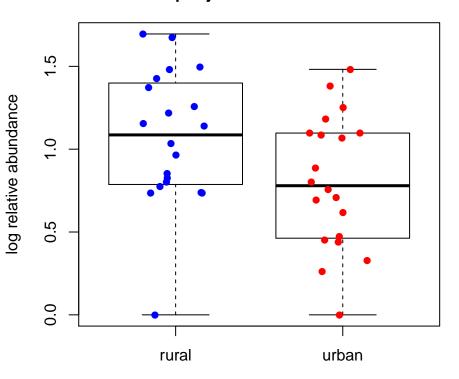
# WGS genus: Cyanobium pAdjRuralUrban= 0.133



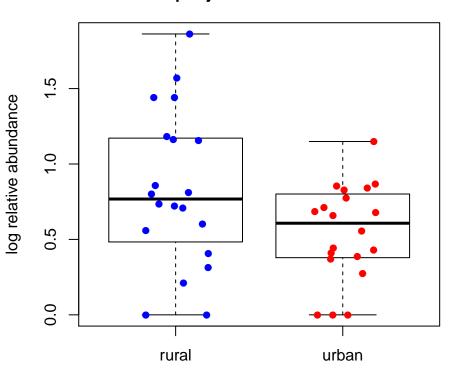
WGS genus: Treponema pAdjRuralUrban= 0.136



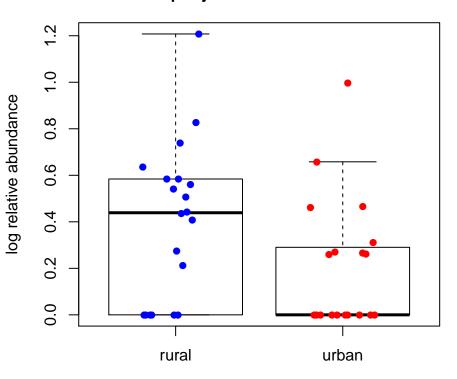
WGS genus: Azospira pAdjRuralUrban= 0.14



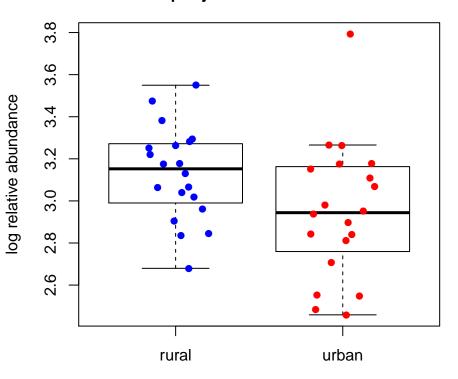
## WGS genus: Bdellovibrio pAdjRuralUrban= 0.14



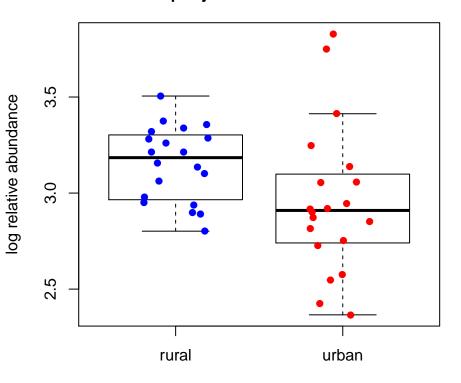
WGS genus: Jonesia pAdjRuralUrban= 0.143



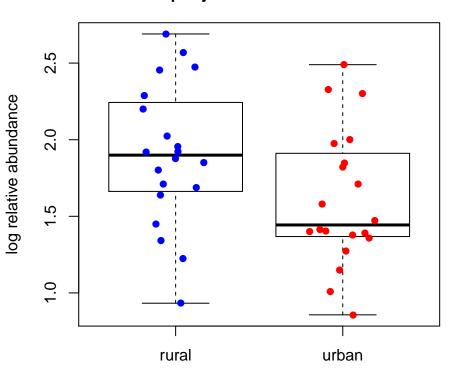
## WGS genus: Faecalitalea pAdjRuralUrban= 0.143



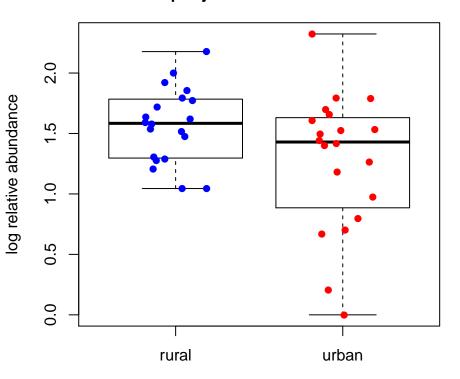
## WGS genus: Clostridium pAdjRuralUrban= 0.144



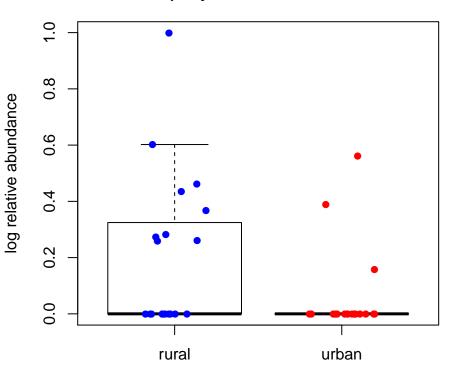
# WGS genus: Histophilus pAdjRuralUrban= 0.145



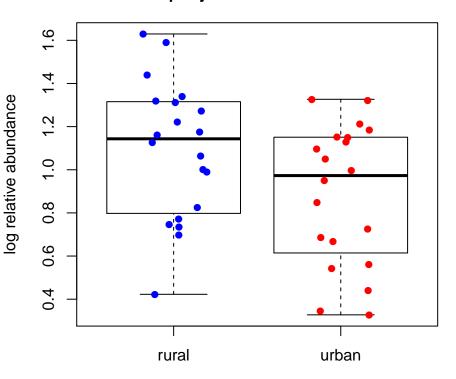
# WGS genus: Zymomonas pAdjRuralUrban= 0.147



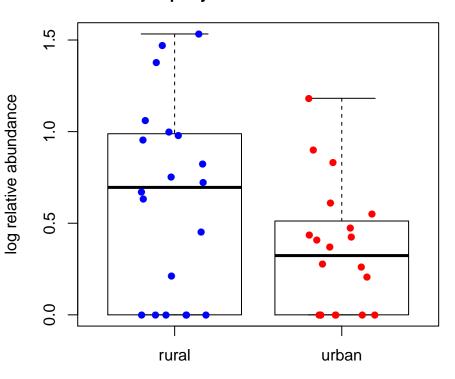
WGS genus: Arthrospira pAdjRuralUrban= 0.147



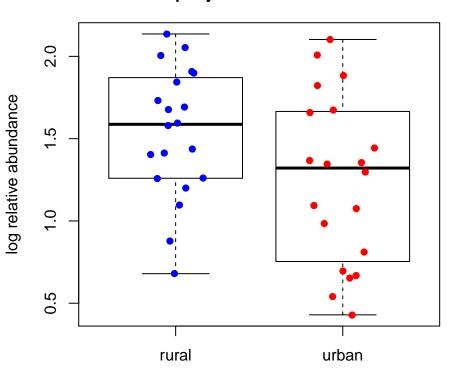
## WGS genus: Francisella pAdjRuralUrban= 0.148



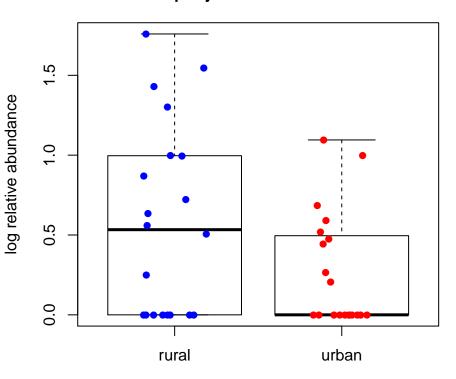
WGS genus: Lacinutrix pAdjRuralUrban= 0.148



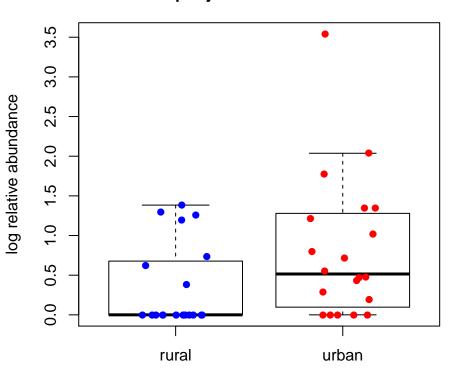
## WGS genus: Acidovorax pAdjRuralUrban= 0.15



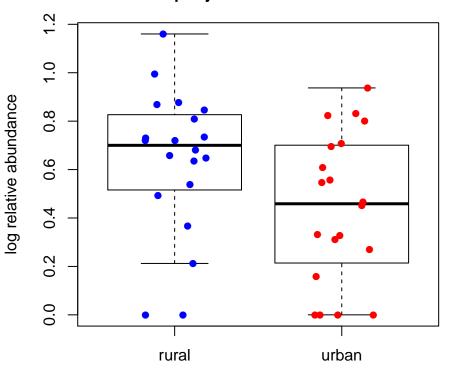
## WGS genus: Thermobifida pAdjRuralUrban= 0.15



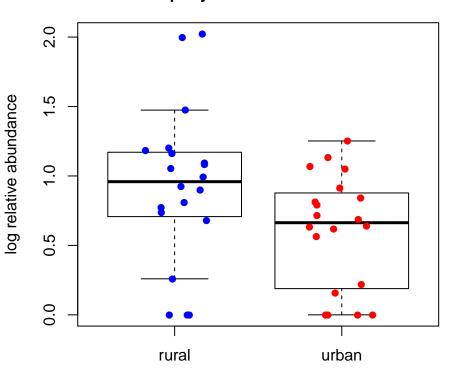
# WGS genus: Punalikevirus pAdjRuralUrban= 0.15



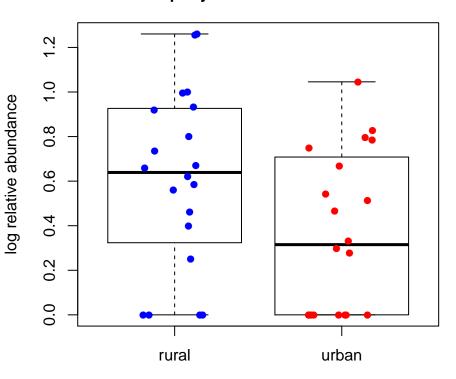
## WGS genus: Blastococcus pAdjRuralUrban= 0.15



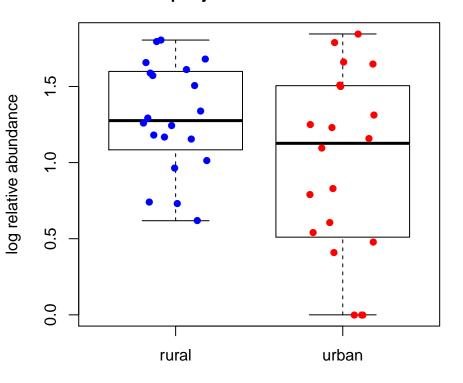
WGS genus: Laribacter pAdjRuralUrban= 0.153



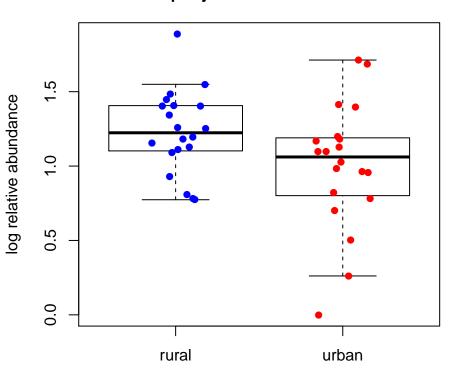
## WGS genus: Gemmatimonas pAdjRuralUrban= 0.155



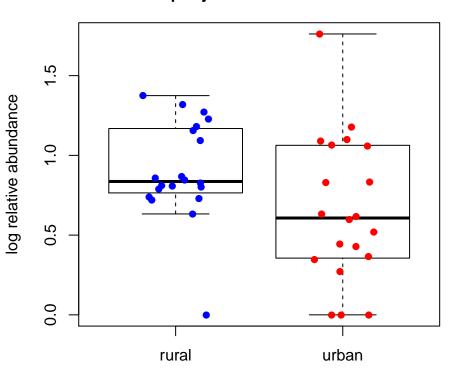
## WGS genus: Rhodobacter pAdjRuralUrban= 0.155



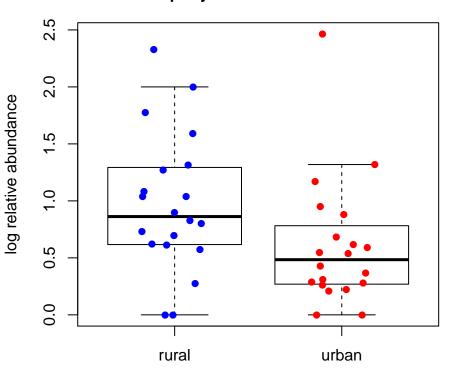
## WGS genus: Caulobacter pAdjRuralUrban= 0.155



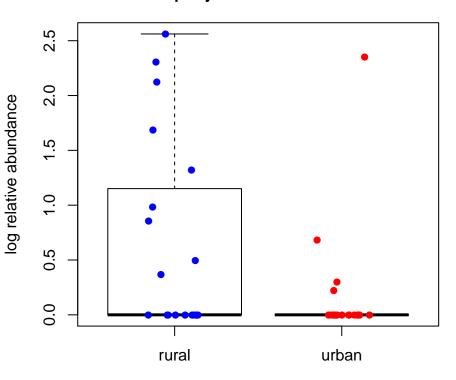
## WGS genus: Alkalilimnicola pAdjRuralUrban= 0.157



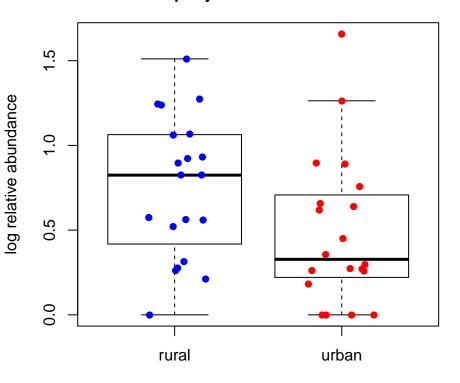
WGS genus: Solitalea pAdjRuralUrban= 0.158



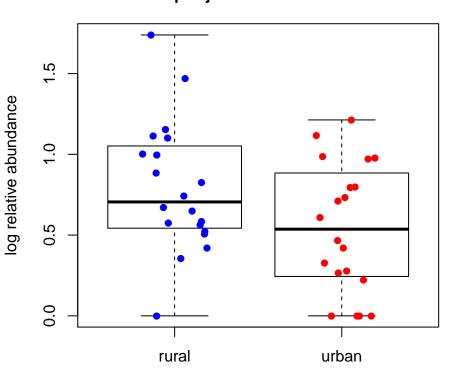
## WGS genus: Acaryochloris pAdjRuralUrban= 0.16



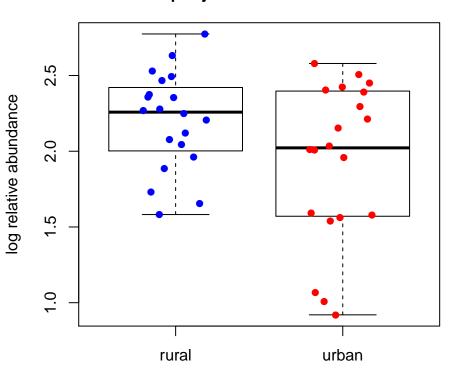
## WGS genus: Microbacterium pAdjRuralUrban= 0.16



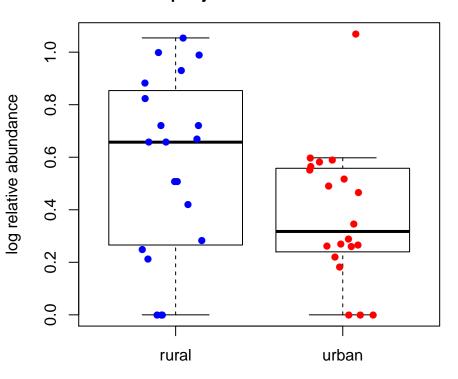
## WGS genus: Cyanobacterium pAdjRuralUrban= 0.16



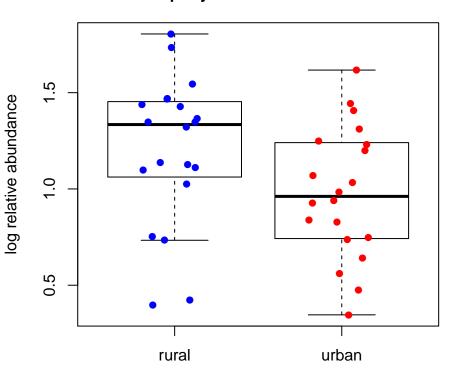
## WGS genus: Ethanoligenens pAdjRuralUrban= 0.163



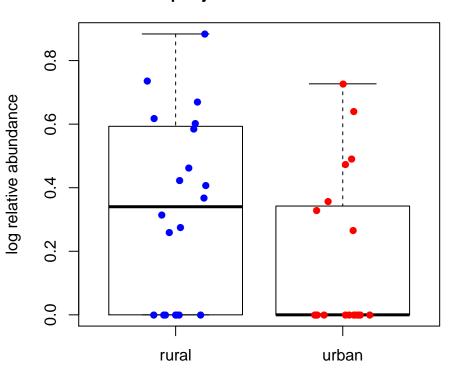
WGS genus: Leifsonia pAdjRuralUrban= 0.163



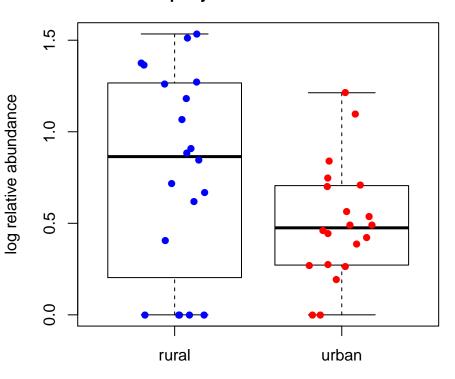
## WGS genus: Brevibacillus pAdjRuralUrban= 0.163



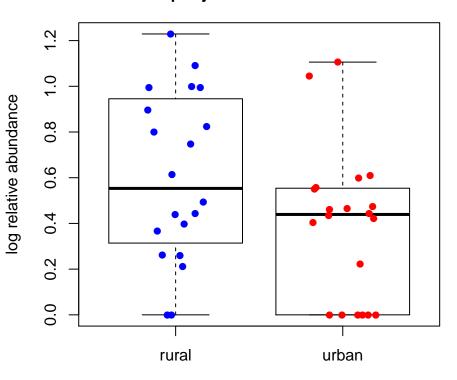
### WGS genus: Janthinobacterium pAdjRuralUrban= 0.164



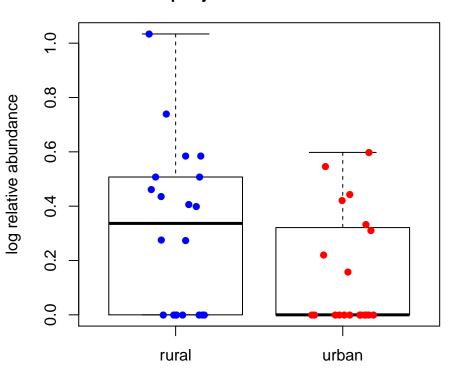
### WGS genus: Thermincola pAdjRuralUrban= 0.164



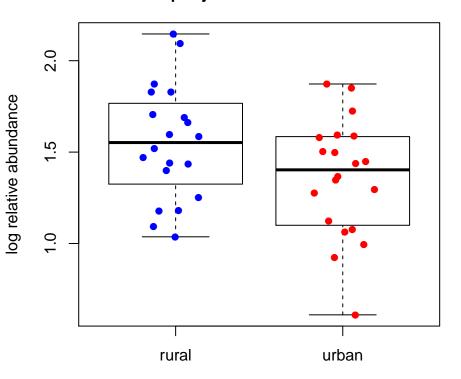
### WGS genus: Psychromonas pAdjRuralUrban= 0.164



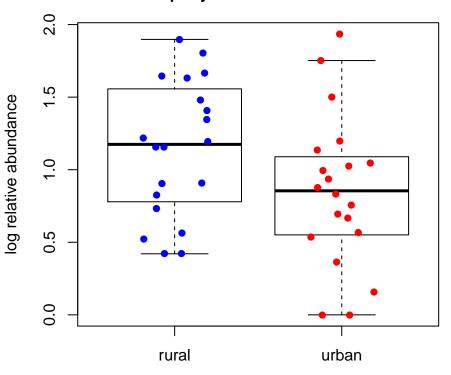
### WGS genus: Bacteriovorax pAdjRuralUrban= 0.171



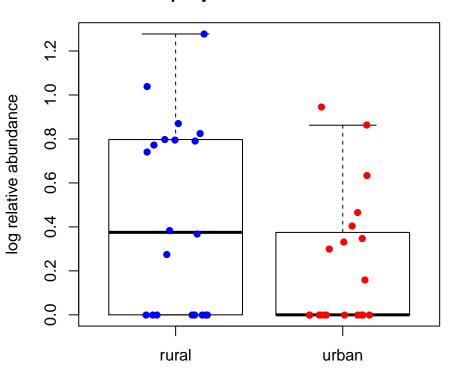
### WGS genus: Desulfitobacterium pAdjRuralUrban= 0.173



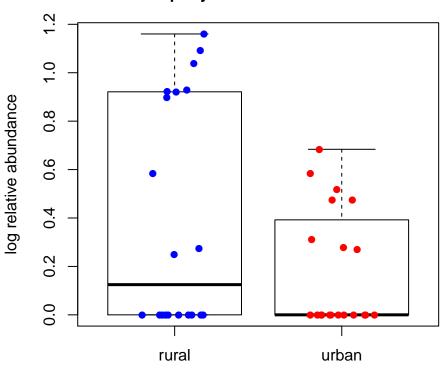
### WGS genus: Marinobacter pAdjRuralUrban= 0.176



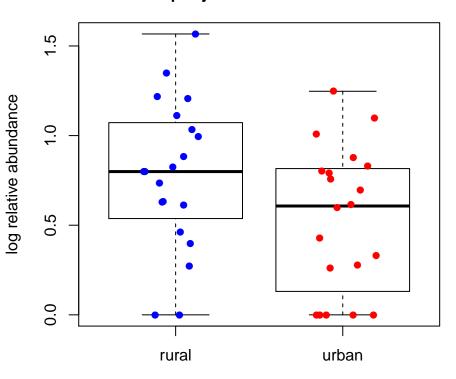
### WGS genus: Gallibacterium pAdjRuralUrban= 0.176



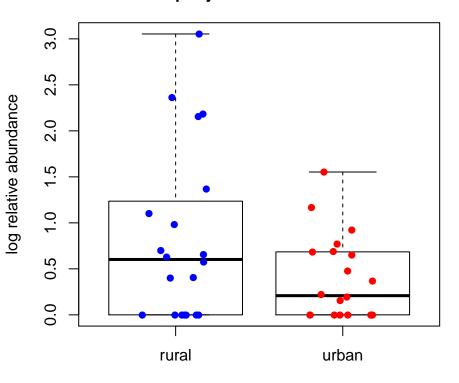
### WGS genus: Octadecabacter pAdjRuralUrban= 0.177



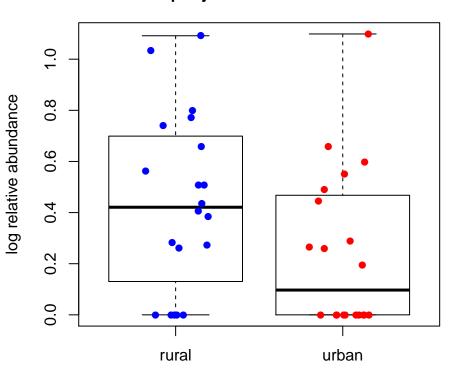
# WGS genus: Lysinibacillus pAdjRuralUrban= 0.178



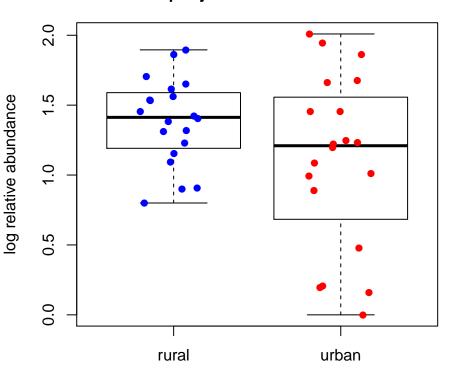
WGS genus: Proteus pAdjRuralUrban= 0.18



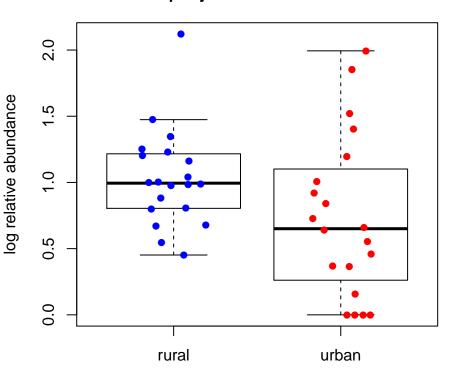
WGS genus: Turneriella pAdjRuralUrban= 0.181



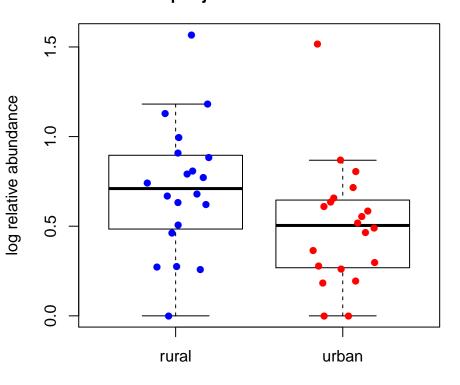
### WGS genus: Sphaerochaeta pAdjRuralUrban= 0.181



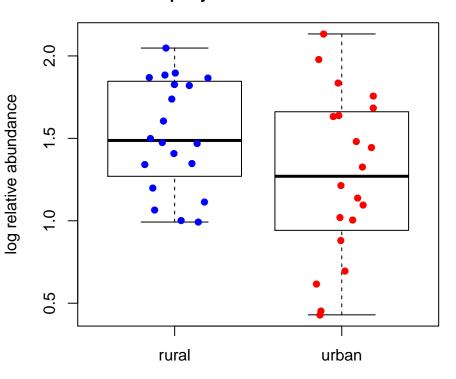
### WGS genus: Psychrobacter pAdjRuralUrban= 0.183



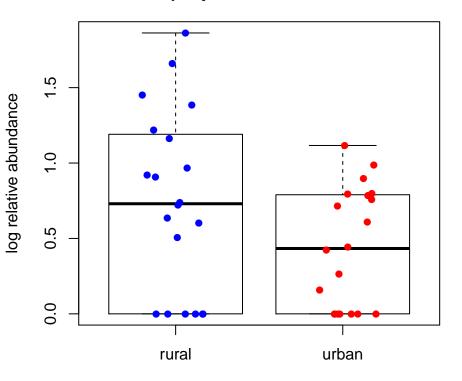
### WGS genus: Candidatus\_Desulforudis pAdjRuralUrban= 0.183



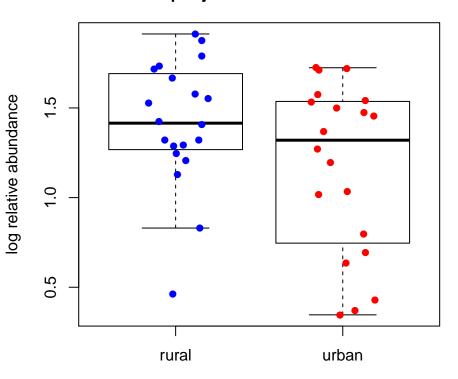
### WGS genus: Fretibacterium pAdjRuralUrban= 0.184



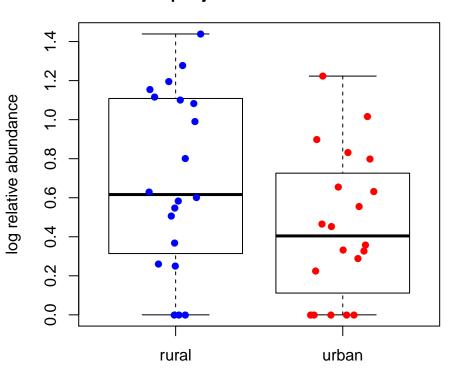
## WGS genus: Pseudoalteromonas pAdjRuralUrban= 0.184



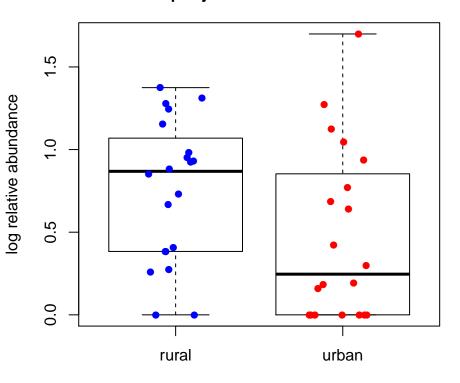
### WGS genus: Pelobacter pAdjRuralUrban= 0.184



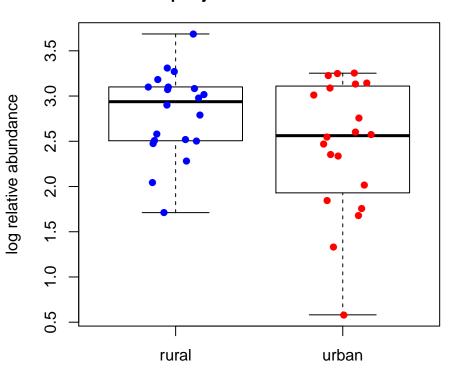
### WGS genus: Mannheimia pAdjRuralUrban= 0.186



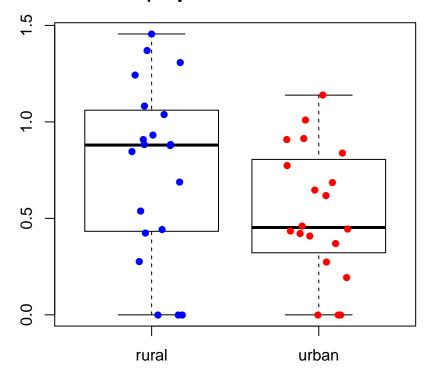
### WGS genus: Methylobacillus pAdjRuralUrban= 0.186



### WGS genus: Gordonibacter pAdjRuralUrban= 0.186

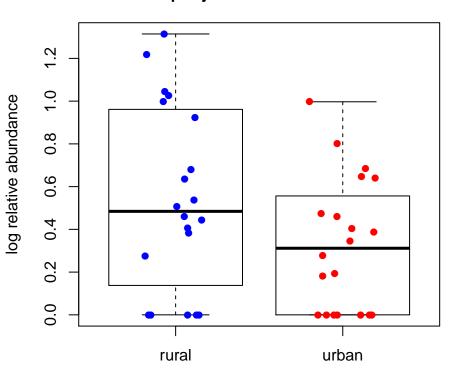


## WGS genus: Xylanimonas pAdjRuralUrban= 0.186

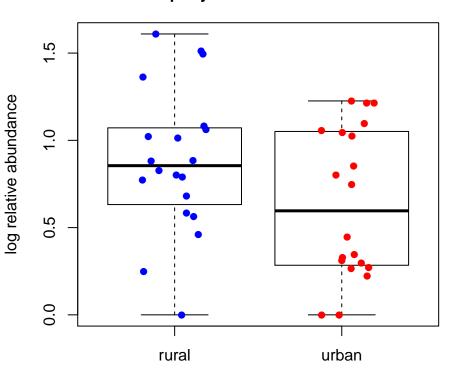


log relative abundance

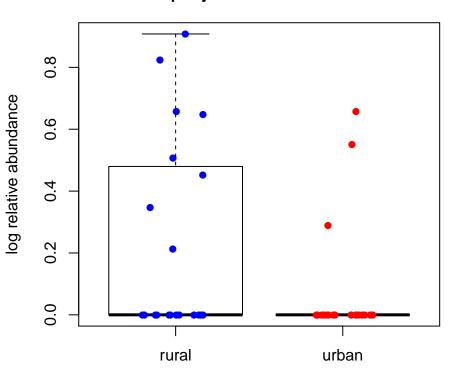
### WGS genus: Tsukamurella pAdjRuralUrban= 0.186



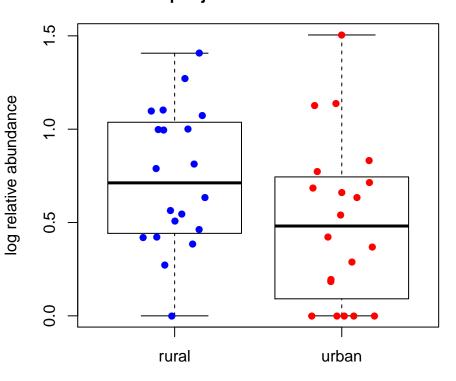
### WGS genus: Gottschalkia pAdjRuralUrban= 0.186



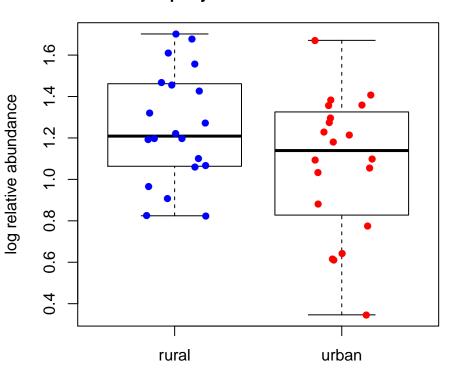
### WGS genus: Thermosediminibacter pAdjRuralUrban= 0.186



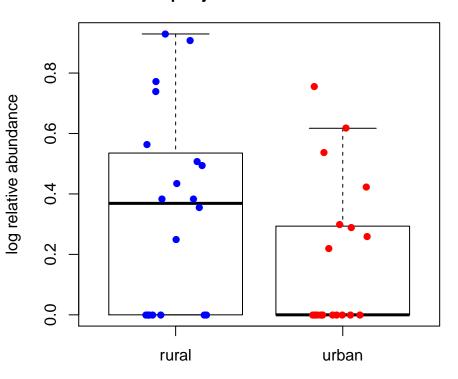
### WGS genus: Acetohalobium pAdjRuralUrban= 0.186



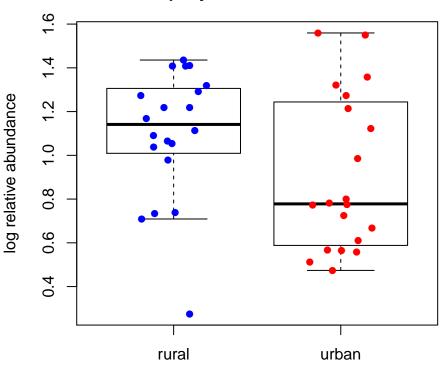
### WGS genus: Thermus pAdjRuralUrban= 0.186



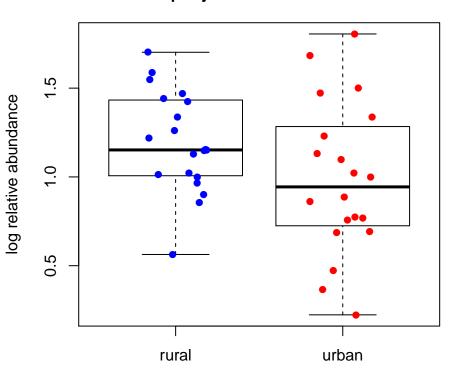
WGS genus: Rivularia pAdjRuralUrban= 0.191



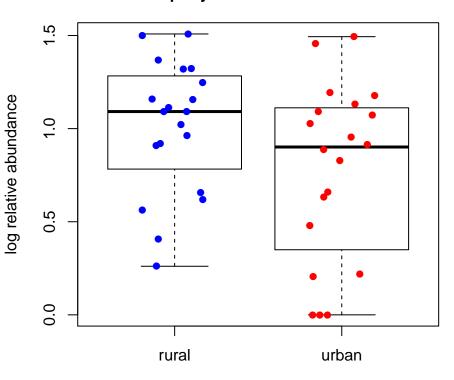
WGS genus: Kyrpidia pAdjRuralUrban= 0.191



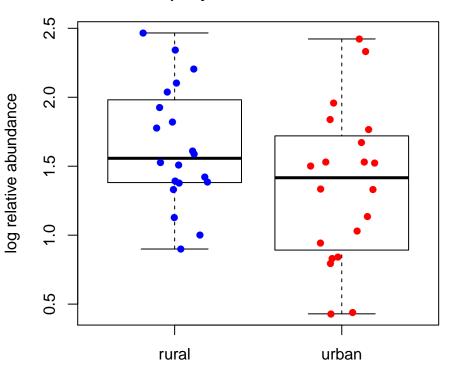
### WGS genus: Actinoplanes pAdjRuralUrban= 0.194



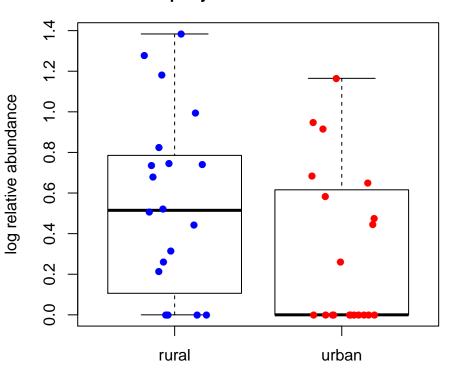
### WGS genus: Pseudoxanthomonas pAdjRuralUrban= 0.195



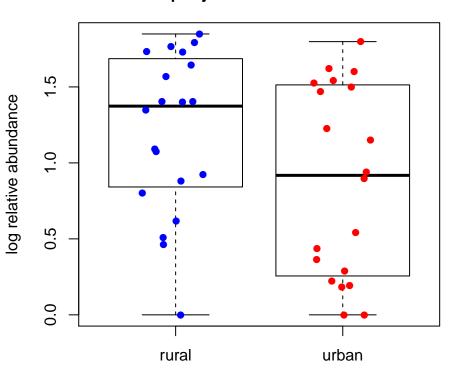
## WGS genus: Rhizobium pAdjRuralUrban= 0.197



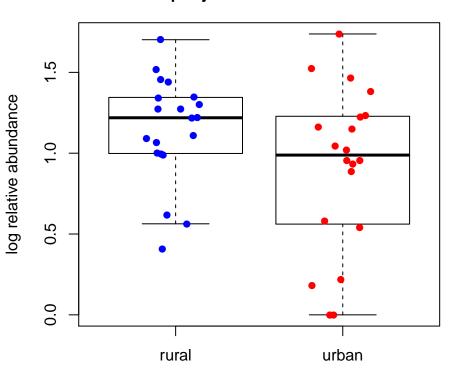
### WGS genus: Desulfobacula pAdjRuralUrban= 0.206



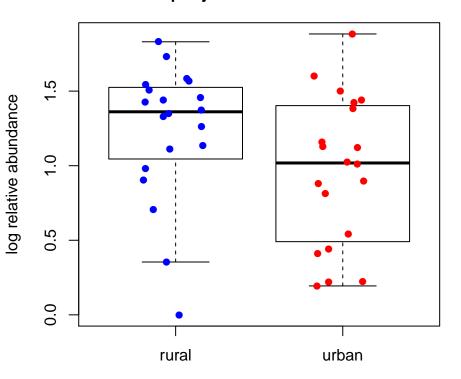
### WGS genus: Owenweeksia pAdjRuralUrban= 0.206



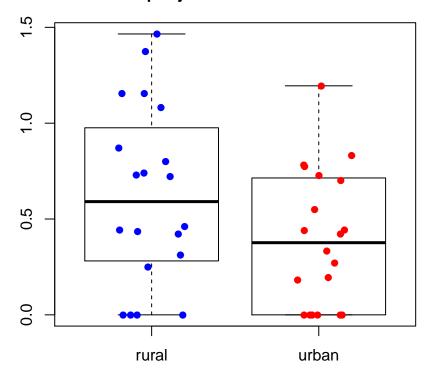
### WGS genus: Hyphomicrobium pAdjRuralUrban= 0.206



### WGS genus: Azoarcus pAdjRuralUrban= 0.209

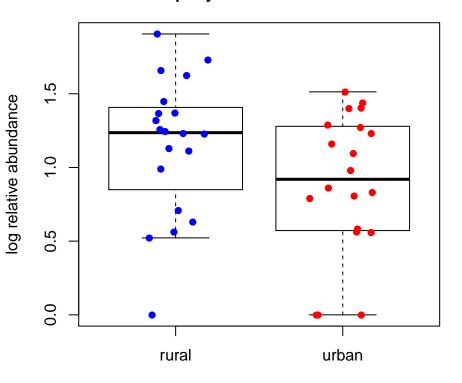


### WGS genus: Chromohalobacter pAdjRuralUrban= 0.209

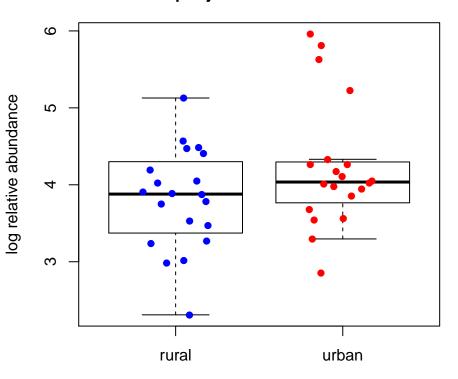


log relative abundance

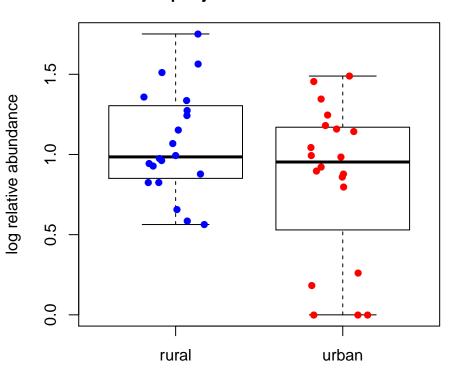
### WGS genus: Thioflavicoccus pAdjRuralUrban= 0.21



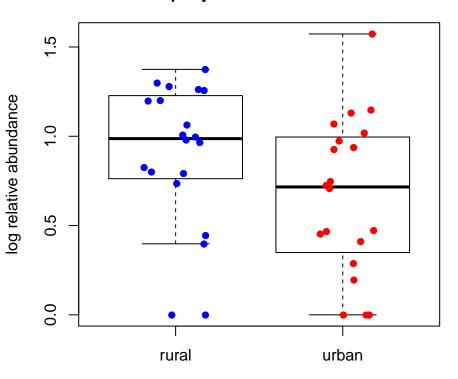
### WGS genus: Escherichia pAdjRuralUrban= 0.21



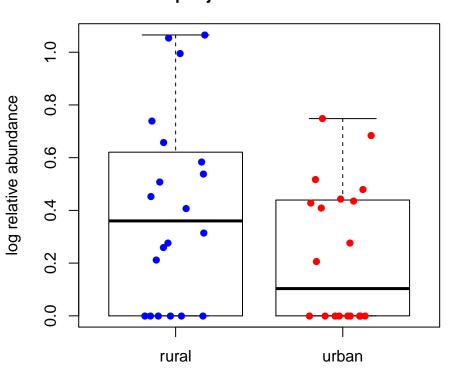
### WGS genus: Roseiflexus pAdjRuralUrban= 0.213



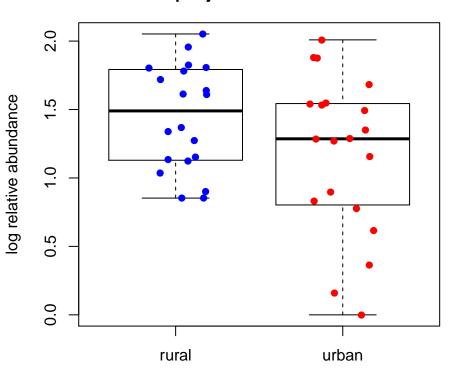
### WGS genus: Arcobacter pAdjRuralUrban= 0.217



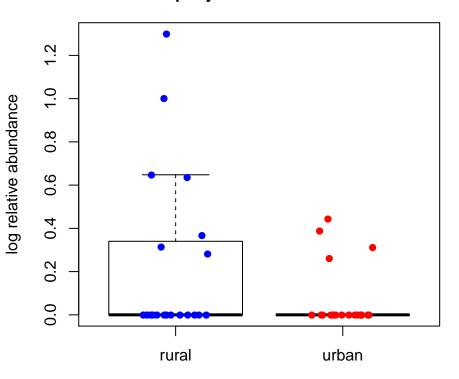
## WGS genus: Candidatus\_Liberibacter pAdjRuralUrban= 0.22



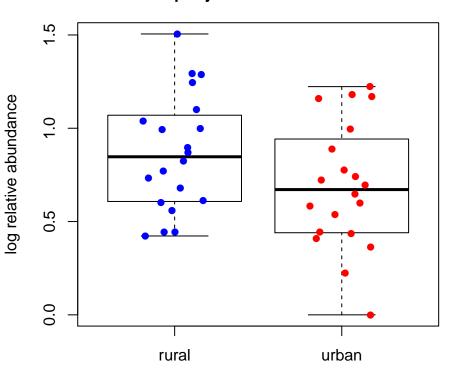
### WGS genus: Capnocytophaga pAdjRuralUrban= 0.22



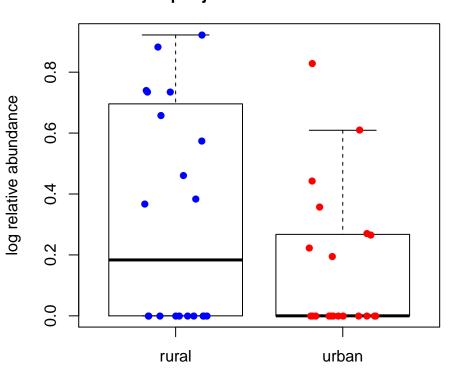
# WGS genus: Trichodesmium pAdjRuralUrban= 0.22



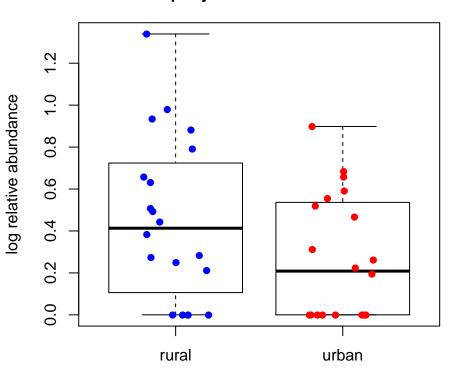
### WGS genus: Solibacillus pAdjRuralUrban= 0.22



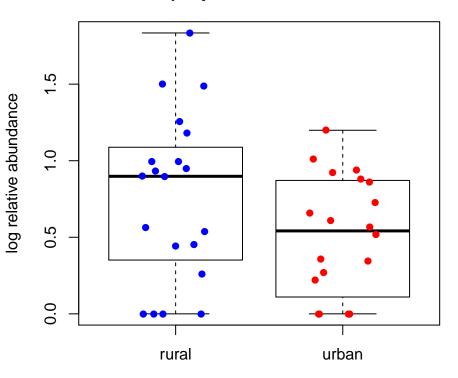
### WGS genus: Candidatus\_Cloacimonas pAdjRuralUrban= 0.224



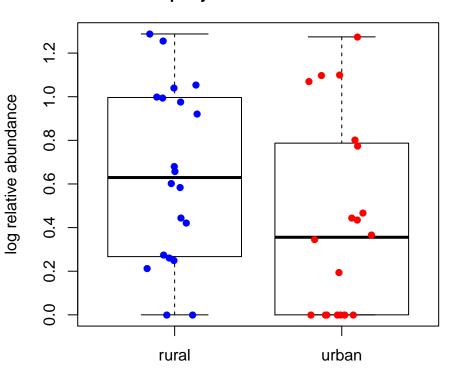
### WGS genus: Ketogulonicigenium pAdjRuralUrban= 0.224



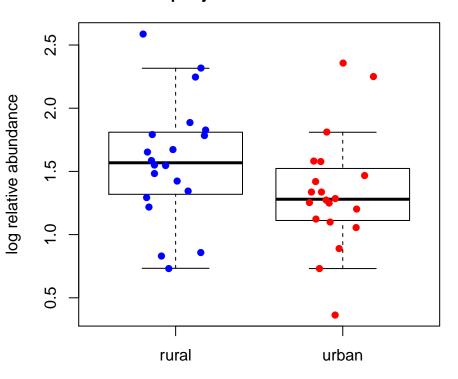
### WGS genus: Acetobacter pAdjRuralUrban= 0.225



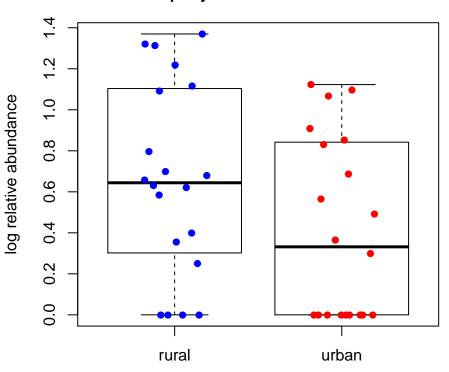
### WGS genus: Conexibacter pAdjRuralUrban= 0.227



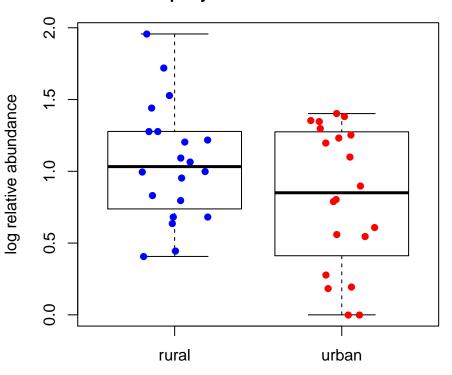
### WGS genus: Arthrobacter pAdjRuralUrban= 0.229



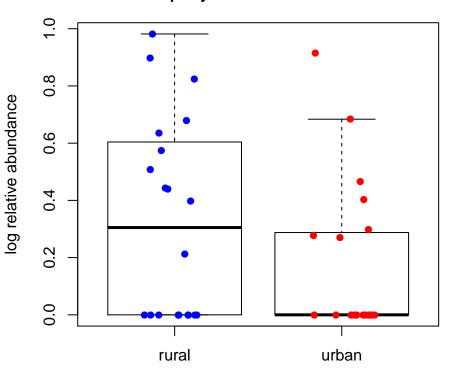
WGS genus: Rickettsia pAdjRuralUrban= 0.229



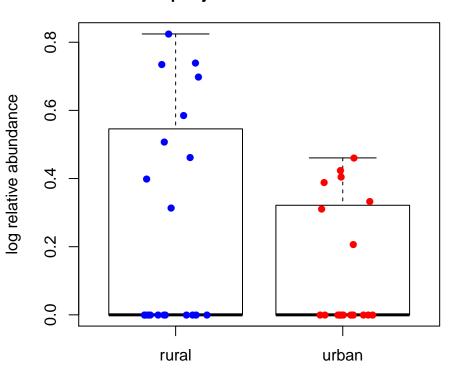
### WGS genus: Halanaerobium pAdjRuralUrban= 0.233



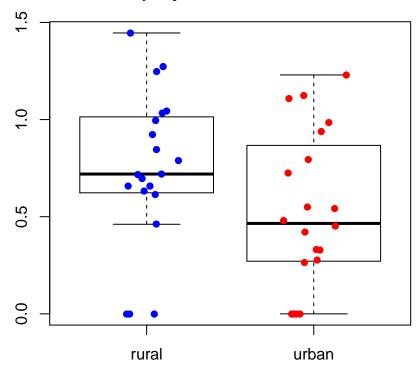
WGS genus: Haloarcula pAdjRuralUrban= 0.233



WGS genus: Zobellia pAdjRuralUrban= 0.233

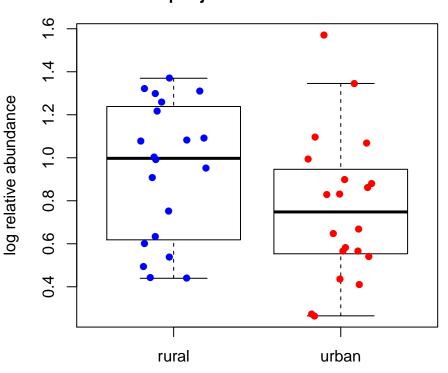


WGS genus: Frateuria pAdjRuralUrban= 0.234

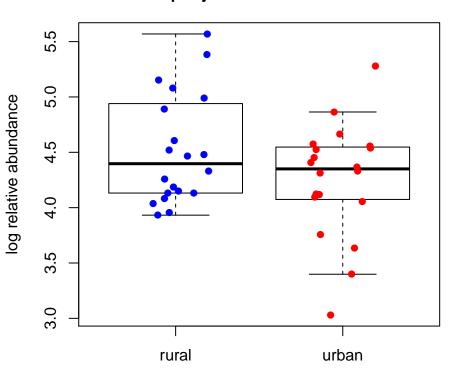


log relative abundance

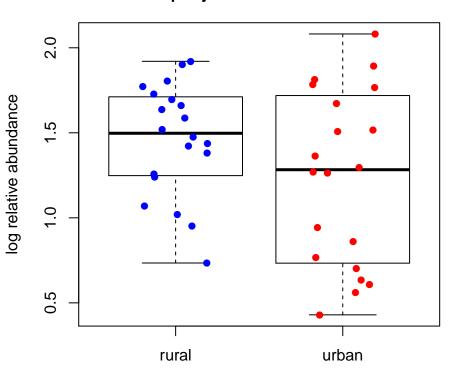
## WGS genus: Candidatus\_Arthromitus pAdjRuralUrban= 0.234



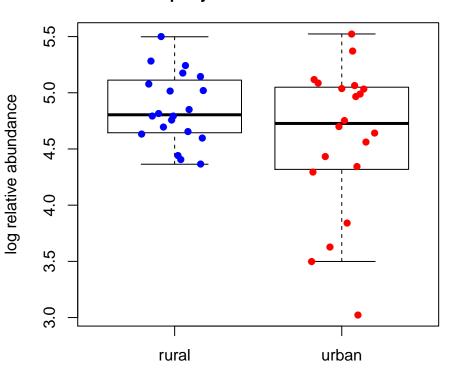
### WGS genus: Ruminococcus pAdjRuralUrban= 0.236



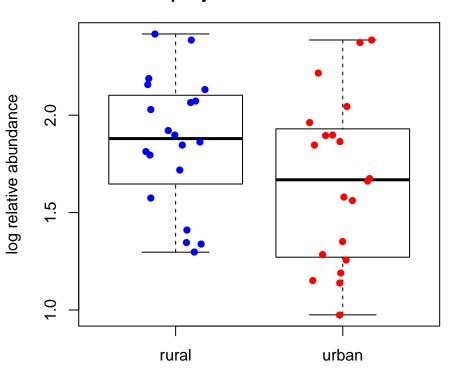
### WGS genus: Azospirillum pAdjRuralUrban= 0.238



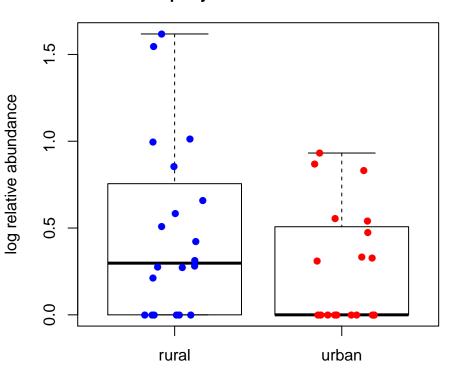
WGS genus: Roseburia pAdjRuralUrban= 0.238



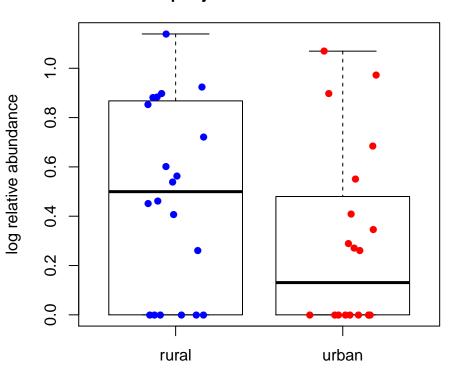
WGS genus: Geobacter pAdjRuralUrban= 0.239



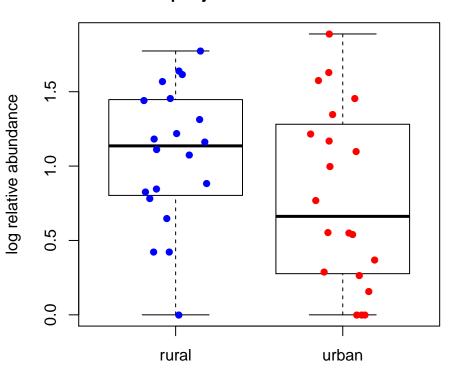
### WGS genus: Croceibacter pAdjRuralUrban= 0.242



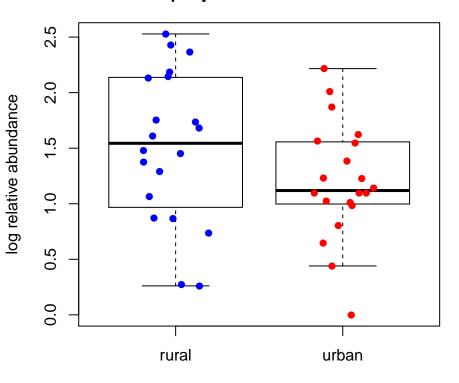
### WGS genus: Intrasporangium pAdjRuralUrban= 0.245



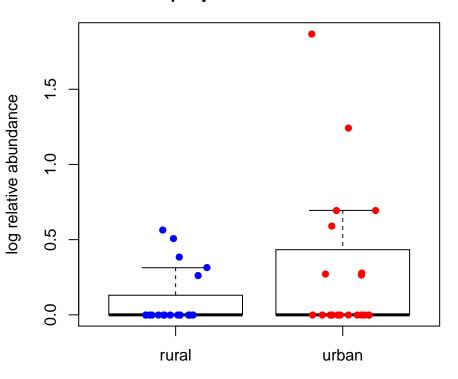
### WGS genus: Denitrovibrio pAdjRuralUrban= 0.245



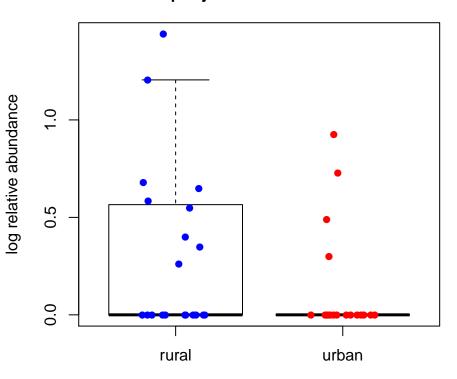
WGS genus: Niastella pAdjRuralUrban= 0.245



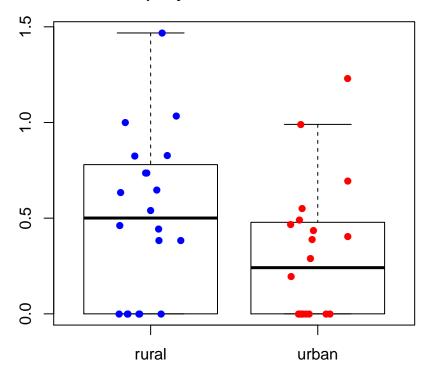
### WGS genus: Amycolicicoccus pAdjRuralUrban= 0.247



WGS genus: Belliella pAdjRuralUrban= 0.247

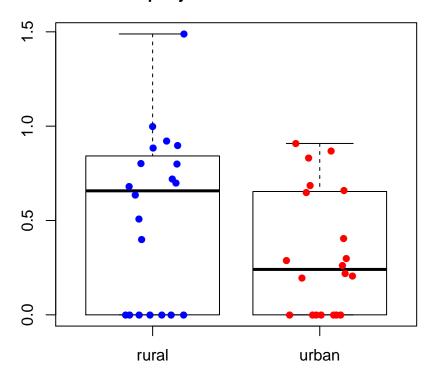


WGS genus: Ehrlichia pAdjRuralUrban= 0.247



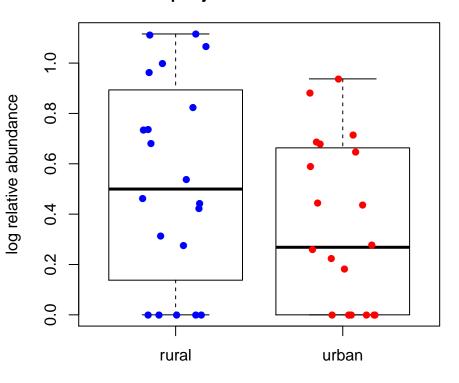
log relative abundance

### WGS genus: Sphingomonas pAdjRuralUrban= 0.249

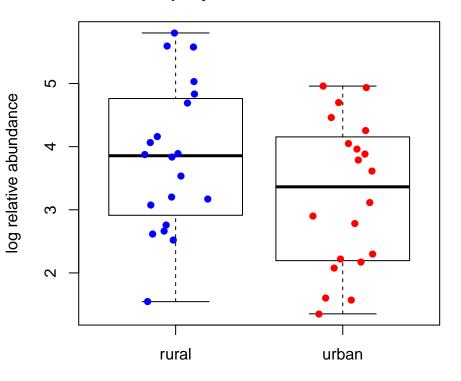


log relative abundance

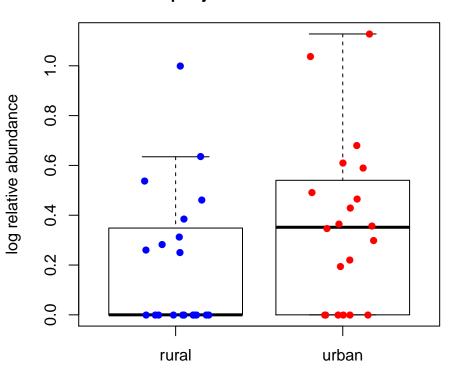
### WGS genus: Halobacteroides pAdjRuralUrban= 0.249



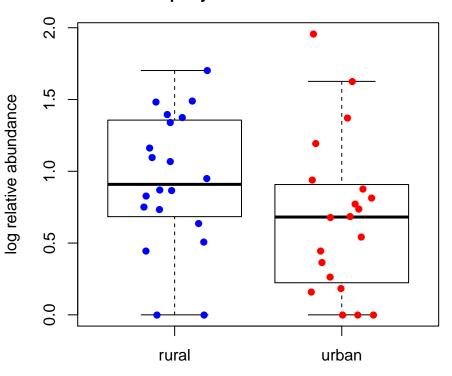
### WGS genus: Klebsiella pAdjRuralUrban= 0.255



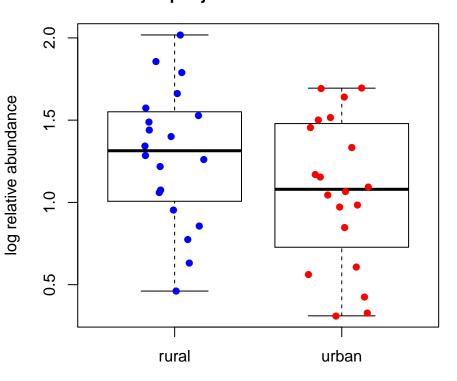
### WGS genus: Thermococcus pAdjRuralUrban= 0.256



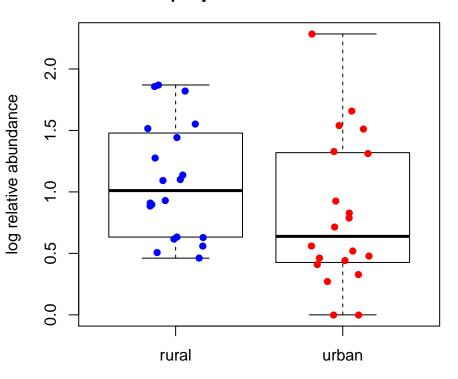
### WGS genus: Pseudovibrio pAdjRuralUrban= 0.256



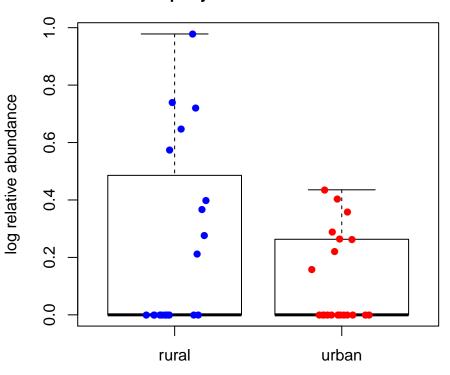
### WGS genus: Heliobacterium pAdjRuralUrban= 0.259



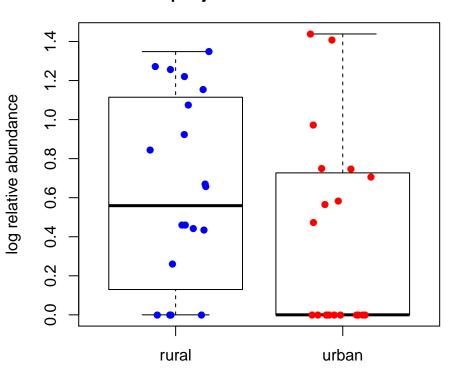
## WGS genus: Streptobacillus pAdjRuralUrban= 0.259



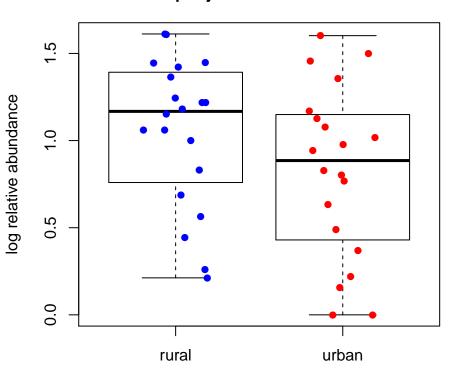
## WGS genus: Halothermothrix pAdjRuralUrban= 0.259



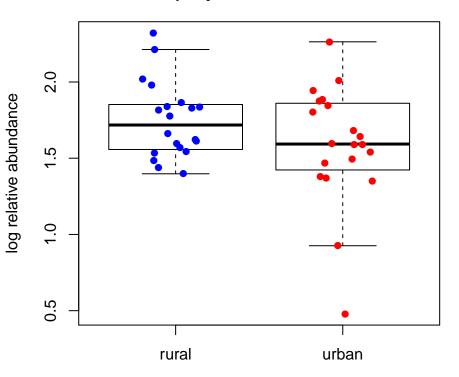
### WGS genus: Ochrobactrum pAdjRuralUrban= 0.259



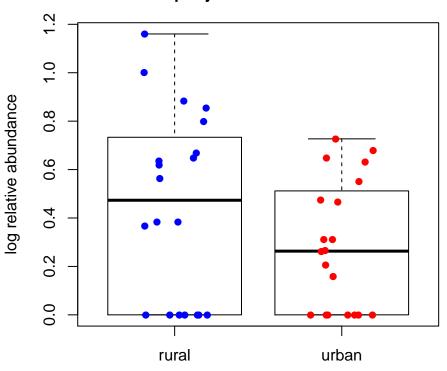
## WGS genus: Paracoccus pAdjRuralUrban= 0.26



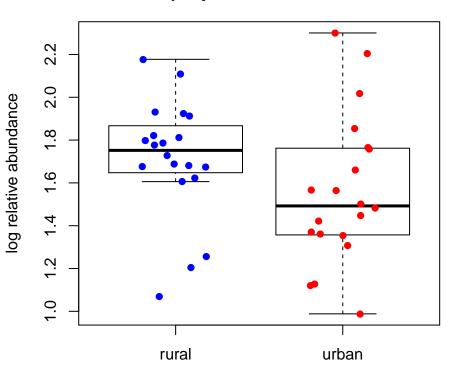
WGS genus: Neisseria pAdjRuralUrban= 0.26



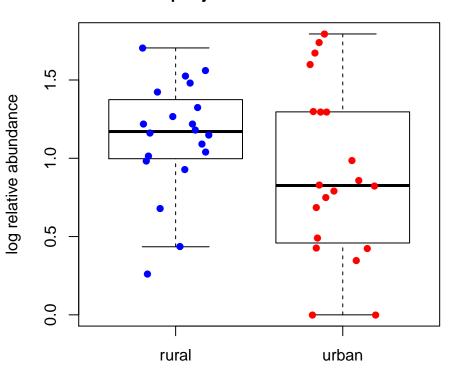
WGS genus: Pirellula pAdjRuralUrban= 0.26



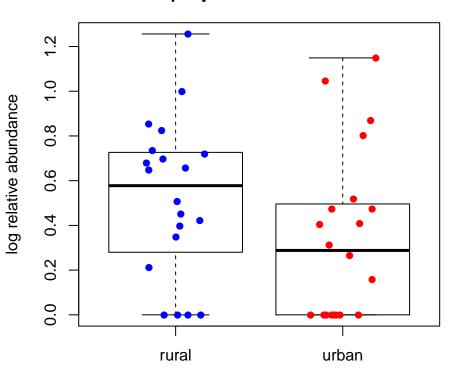
WGS genus: Vibrio pAdjRuralUrban= 0.261



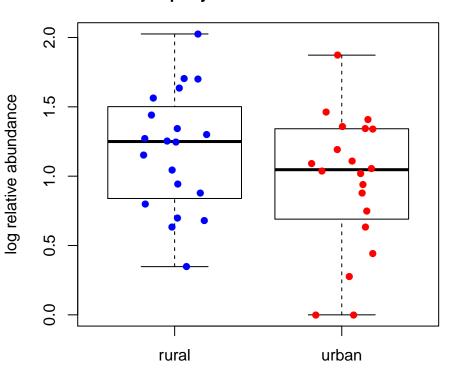
## WGS genus: Sulfurihydrogenibium pAdjRuralUrban= 0.262



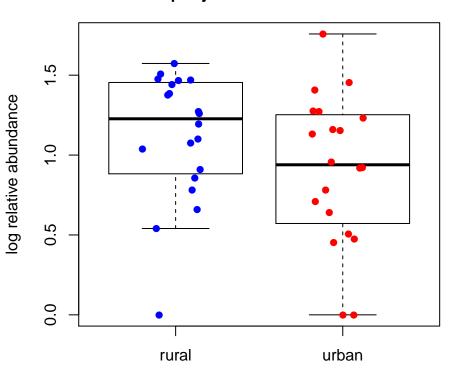
## WGS genus: Methanosarcina pAdjRuralUrban= 0.271



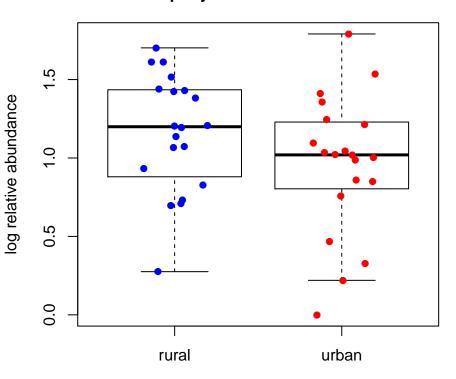
## WGS genus: Dichelobacter pAdjRuralUrban= 0.272



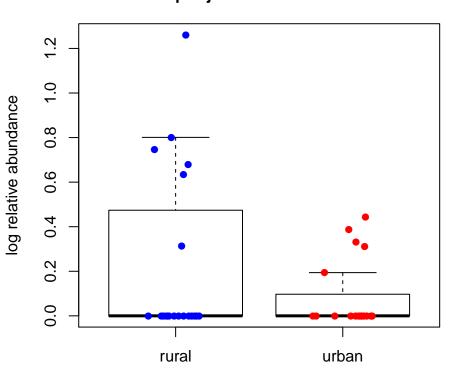
## WGS genus: Desulfurispirillum pAdjRuralUrban= 0.275



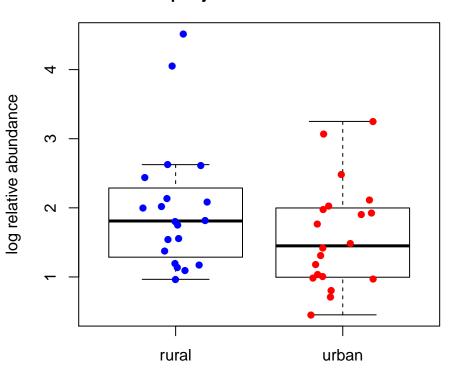
## WGS genus: Desulfarculus pAdjRuralUrban= 0.275



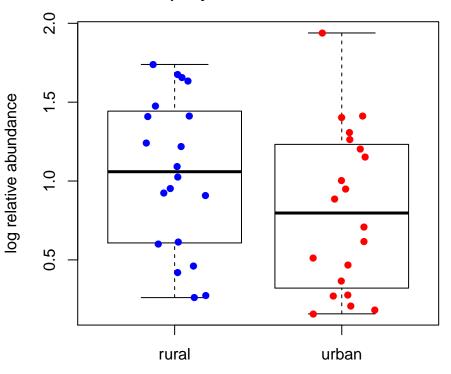
## WGS genus: Candidatus\_Hamiltonella pAdjRuralUrban= 0.28



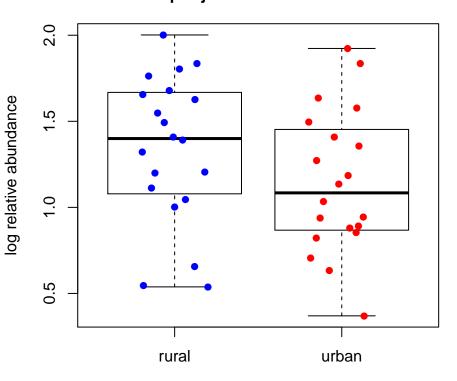
# WGS genus: Cronobacter pAdjRuralUrban= 0.282



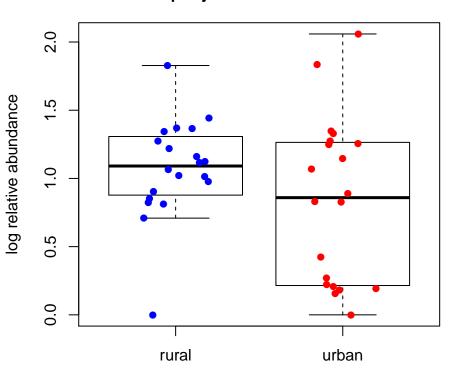
WGS genus: Opitutus pAdjRuralUrban= 0.283



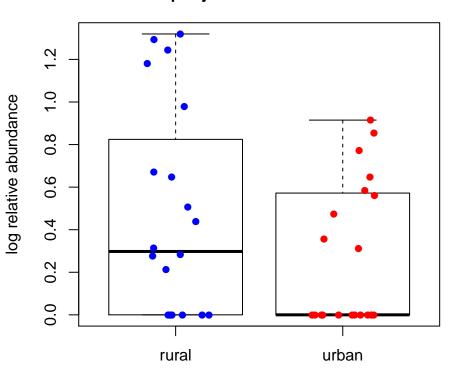
## WGS genus: Rhodococcus pAdjRuralUrban= 0.289



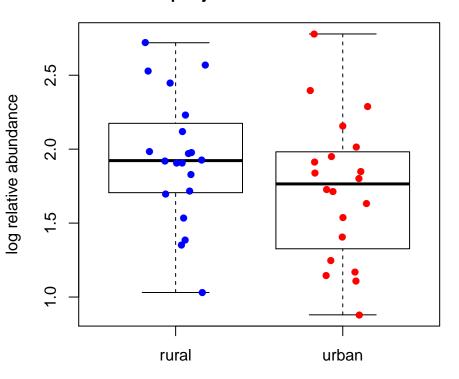
WGS genus: Thauera pAdjRuralUrban= 0.294



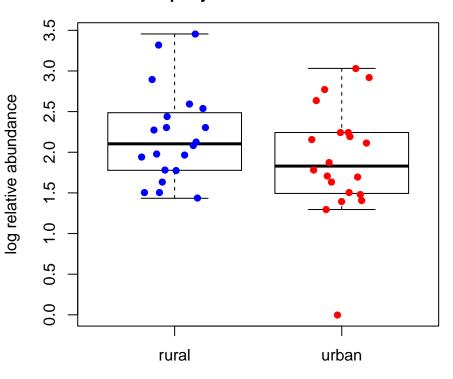
WGS genus: Waddlia pAdjRuralUrban= 0.297



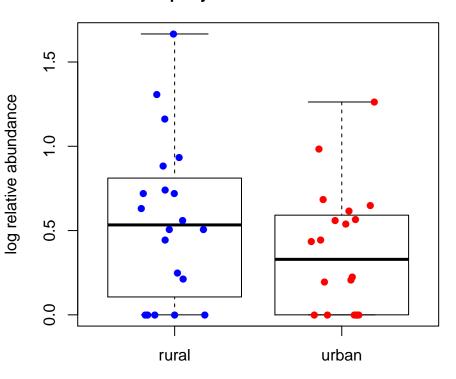
## WGS genus: Aeromonas pAdjRuralUrban= 0.299



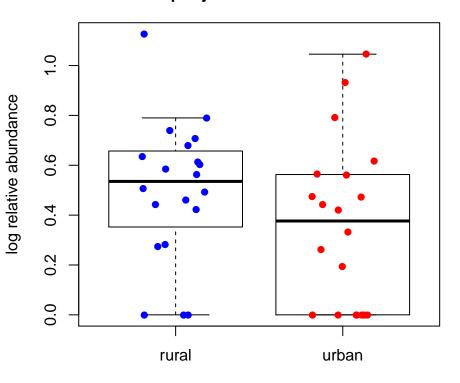
## WGS genus: Riemerella pAdjRuralUrban= 0.303



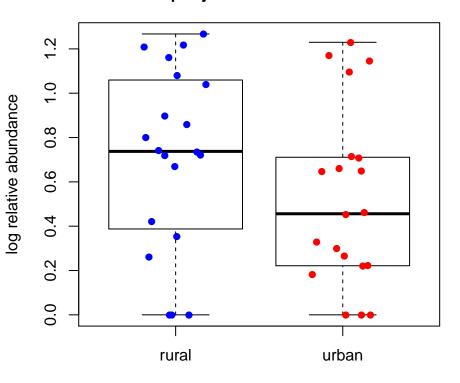
## WGS genus: Desulfocapsa pAdjRuralUrban= 0.304



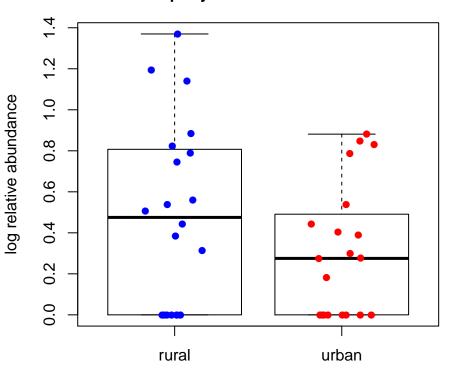
## WGS genus: Arcanobacterium pAdjRuralUrban= 0.305



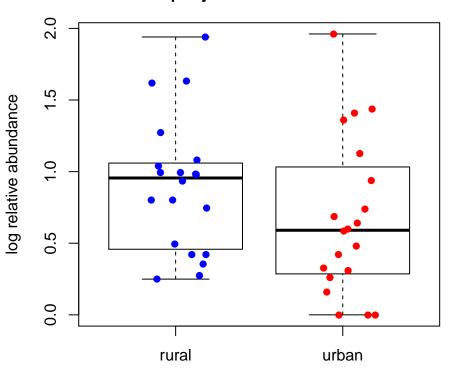
## WGS genus: Streptosporangium pAdjRuralUrban= 0.305



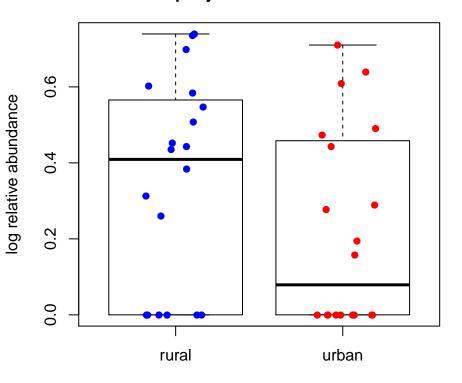
## WGS genus: Aminobacterium pAdjRuralUrban= 0.308



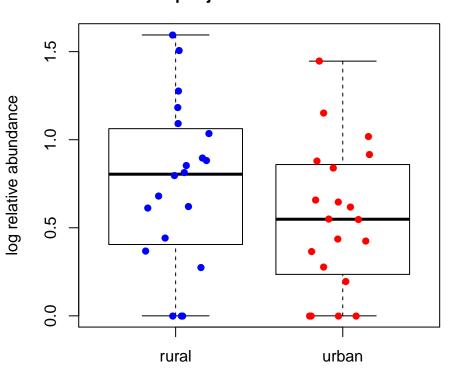
WGS genus: Tistrella pAdjRuralUrban= 0.309



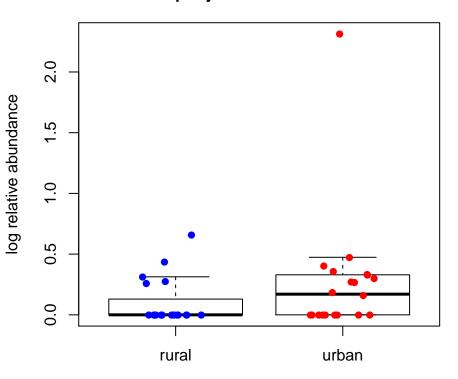
## WGS genus: Sulfuricurvum pAdjRuralUrban= 0.31



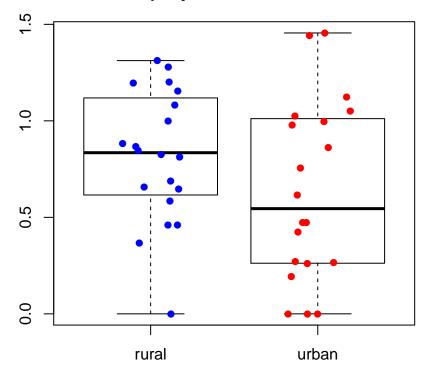
## WGS genus: Herbaspirillum pAdjRuralUrban= 0.31



## WGS genus: Epsilon15likevirus pAdjRuralUrban= 0.31

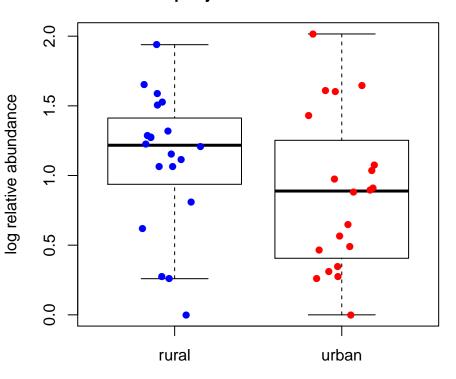


WGS genus: Ruegeria pAdjRuralUrban= 0.31

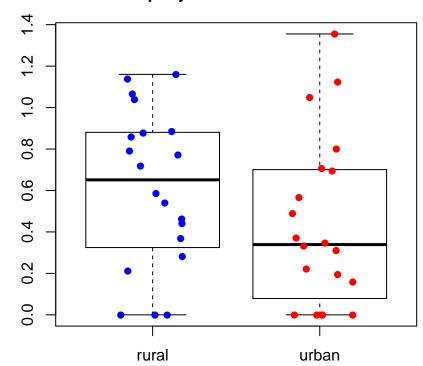


log relative abundance

## WGS genus: Desulfomicrobium pAdjRuralUrban= 0.31

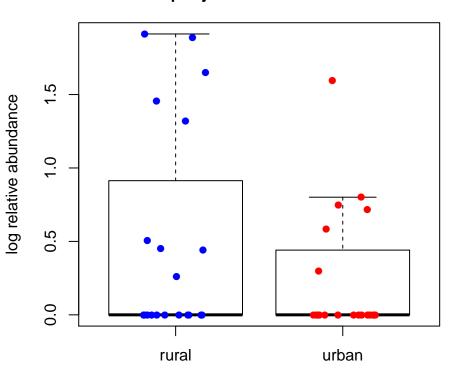


WGS genus: Sanguibacter pAdjRuralUrban= 0.322

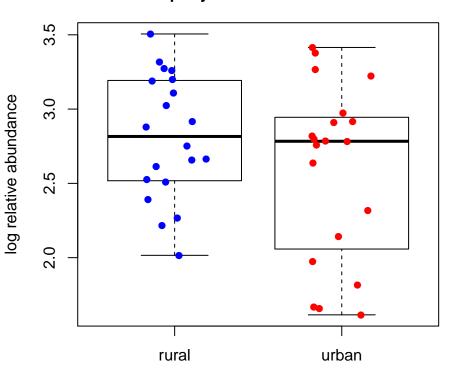


log relative abundance

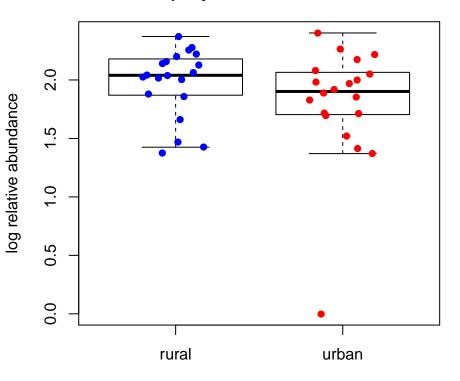
## WGS genus: Methanoplanus pAdjRuralUrban= 0.328



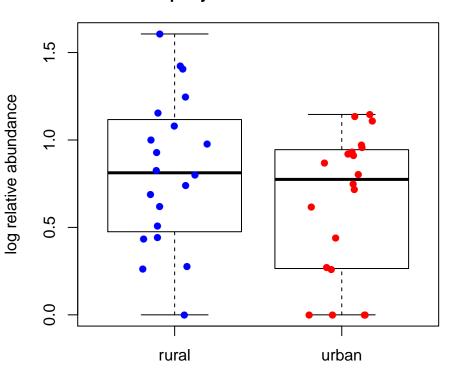
# WGS genus: Oscillibacter pAdjRuralUrban= 0.332



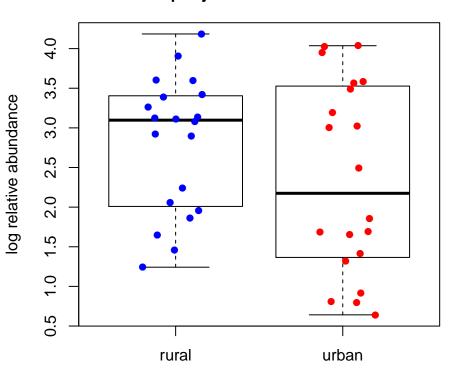
## WGS genus: Paludibacter pAdjRuralUrban= 0.332



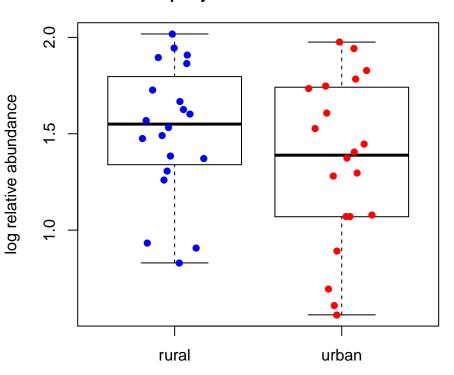
## WGS genus: Spirosoma pAdjRuralUrban= 0.334



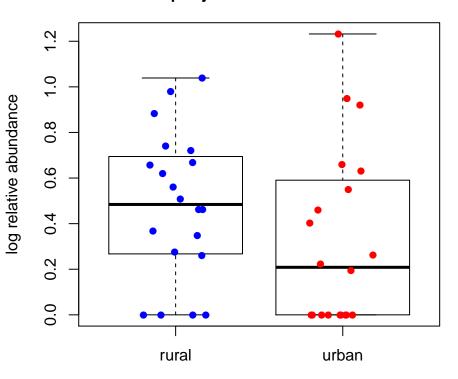
## WGS genus: Adlercreutzia pAdjRuralUrban= 0.334



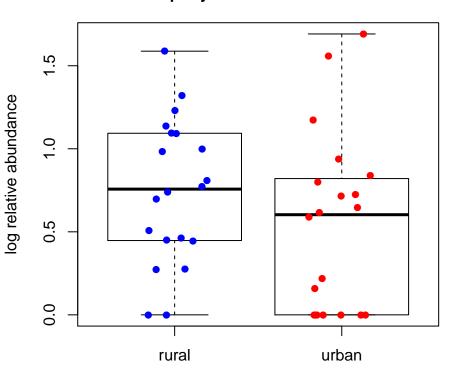
## WGS genus: Synechococcus pAdjRuralUrban= 0.334



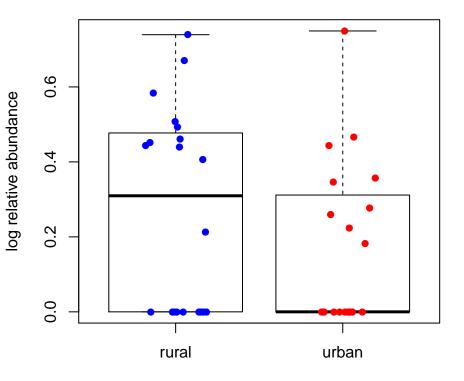
## WGS genus: Dinoroseobacter pAdjRuralUrban= 0.334



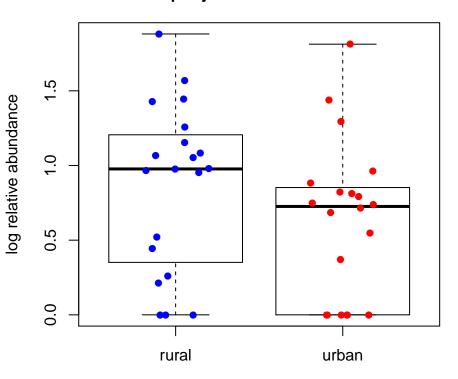
## WGS genus: Brevundimonas pAdjRuralUrban= 0.334



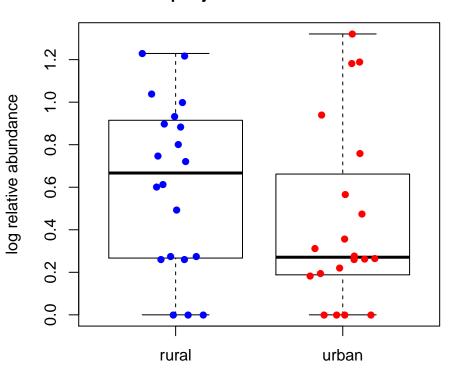
## WGS genus: Candidatus\_Endolissoclinum pAdjRuralUrban= 0.334



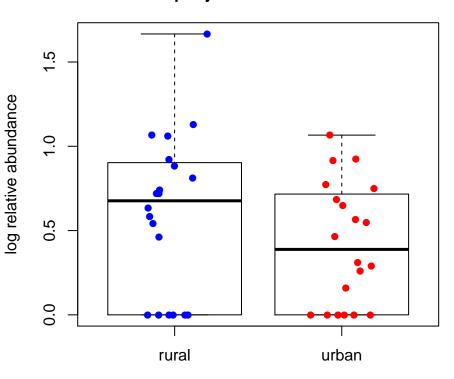
## WGS genus: Echinicola pAdjRuralUrban= 0.335



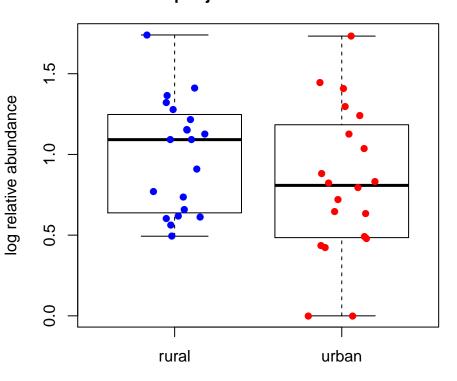
## WGS genus: Thermobispora pAdjRuralUrban= 0.336



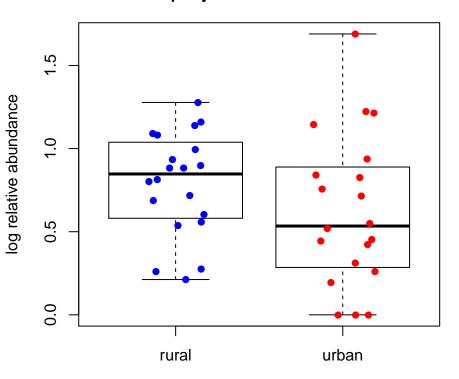
## WGS genus: Gramella pAdjRuralUrban= 0.34



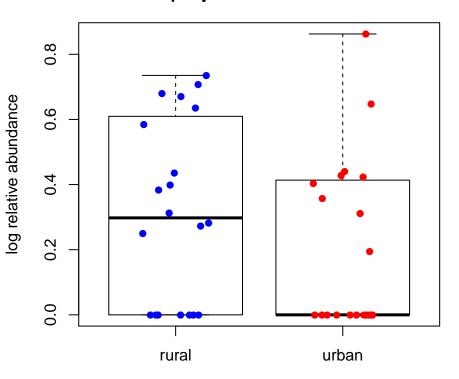
# WGS genus: Carnobacterium pAdjRuralUrban= 0.34



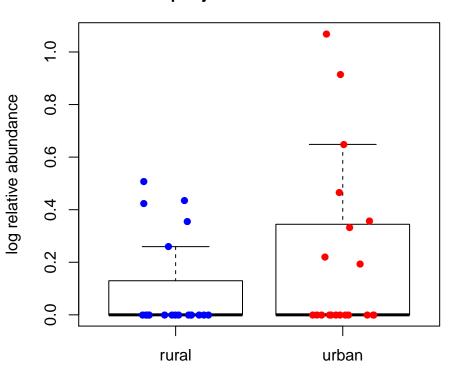
## WGS genus: Azotobacter pAdjRuralUrban= 0.341



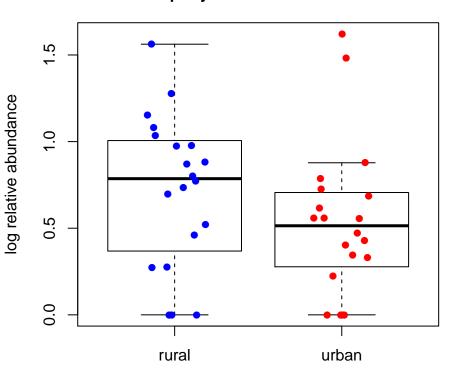
## WGS genus: Methylocella pAdjRuralUrban= 0.345



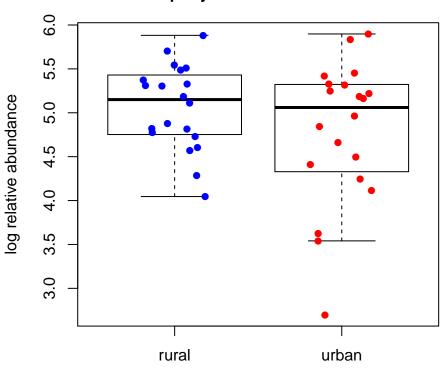
## WGS genus: Archaeoglobus pAdjRuralUrban= 0.345



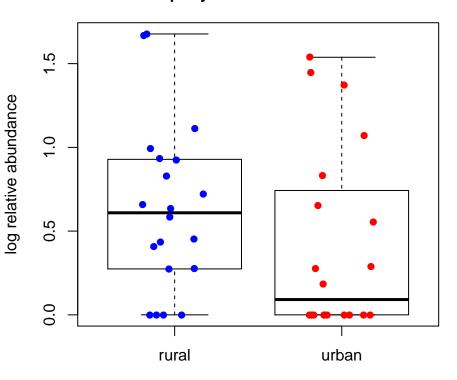
WGS genus: Caldilinea pAdjRuralUrban= 0.345



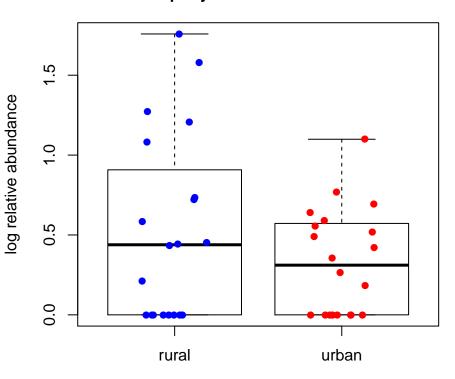
## WGS genus: Eubacterium pAdjRuralUrban= 0.345



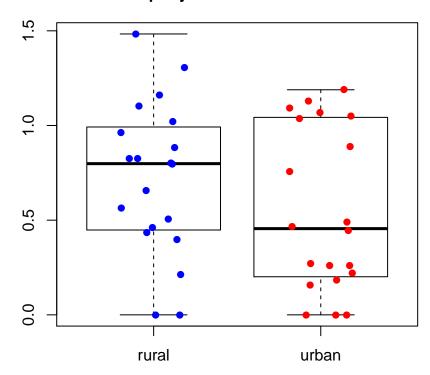
## WGS genus: Thermovirga pAdjRuralUrban= 0.347



# WGS genus: Coraliomargarita pAdjRuralUrban= 0.351

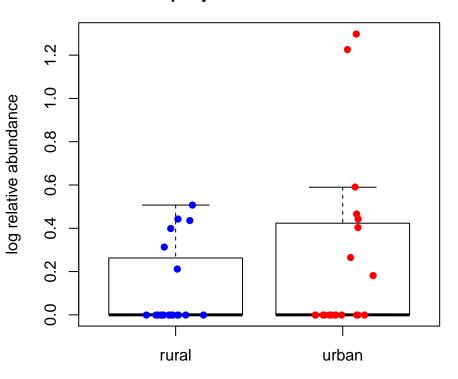


## WGS genus: Kitasatospora pAdjRuralUrban= 0.352

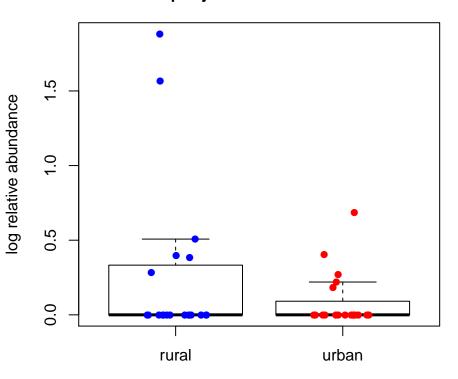


log relative abundance

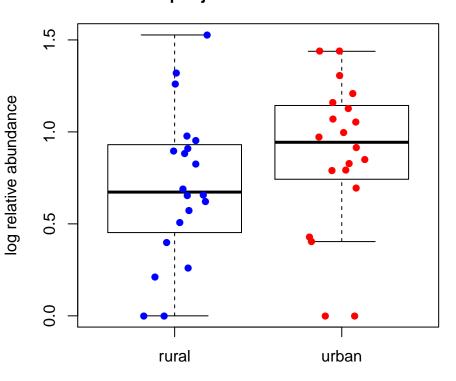
## WGS genus: Coprothermobacter pAdjRuralUrban= 0.353



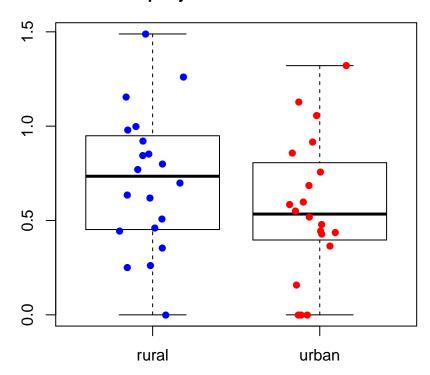
WGS genus: Flexistipes pAdjRuralUrban= 0.354



## WGS genus: Planctomyces pAdjRuralUrban= 0.355

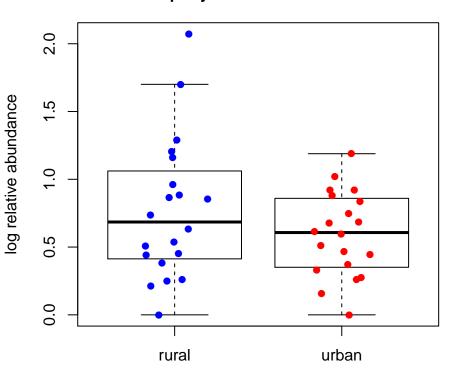


## WGS genus: Sulfuricella pAdjRuralUrban= 0.355

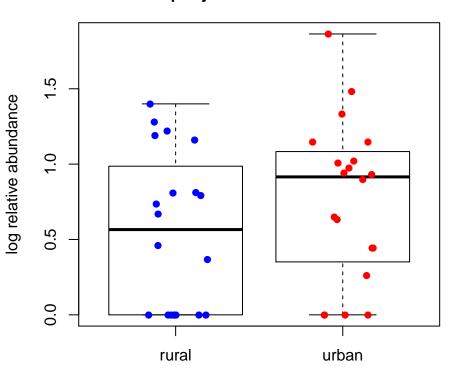


log relative abundance

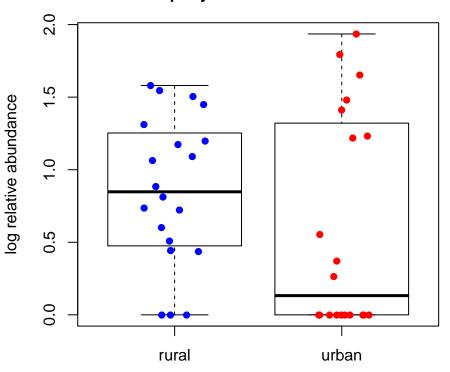
## WGS genus: Pediococcus pAdjRuralUrban= 0.357



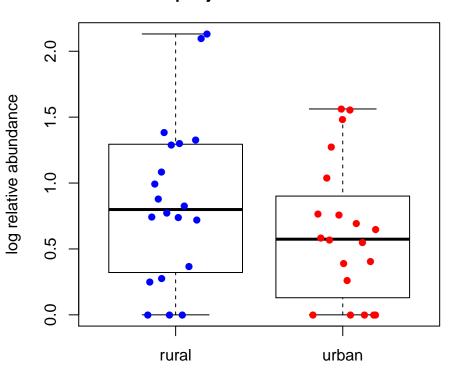
## WGS genus: Candidatus\_Tremblaya pAdjRuralUrban= 0.359



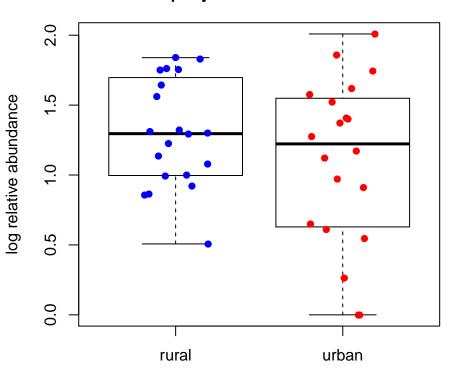
## WGS genus: Cyclobacterium pAdjRuralUrban= 0.359



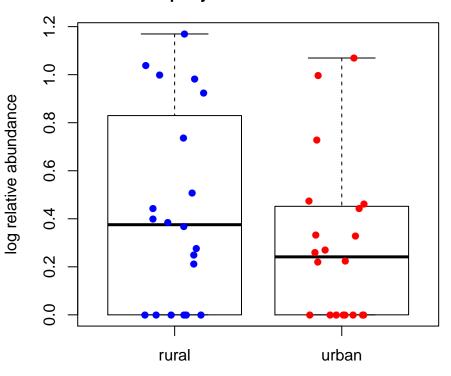
## WGS genus: Pasteurella pAdjRuralUrban= 0.36



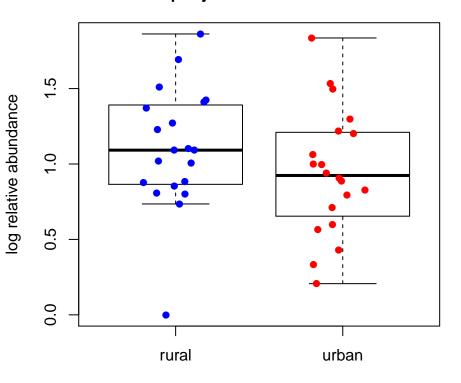
WGS genus: Emticicia pAdjRuralUrban= 0.381



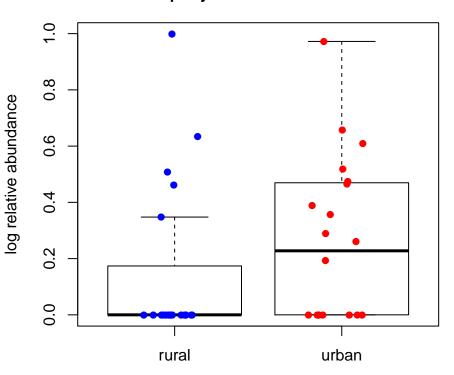
## WGS genus: Acidimicrobium pAdjRuralUrban= 0.383



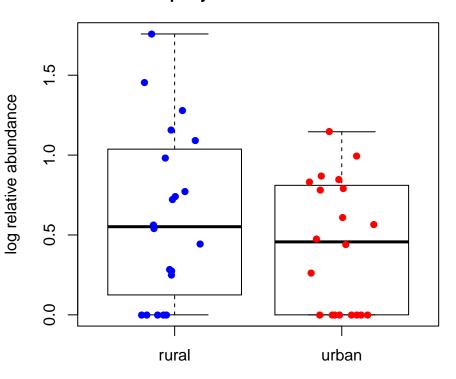
# WGS genus: Acetobacterium pAdjRuralUrban= 0.383



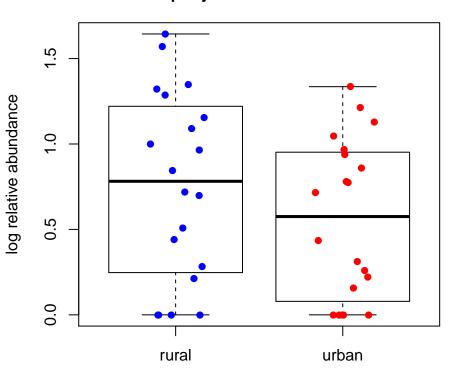
WGS genus: Cellvibrio pAdjRuralUrban= 0.384



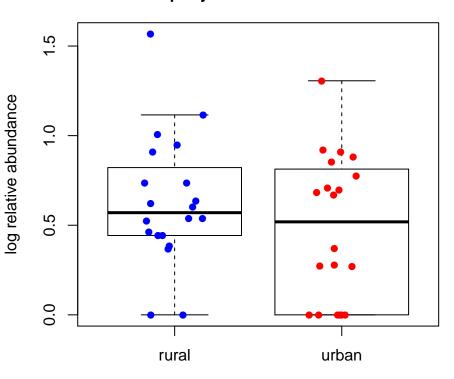
## WGS genus: Roseobacter pAdjRuralUrban= 0.384



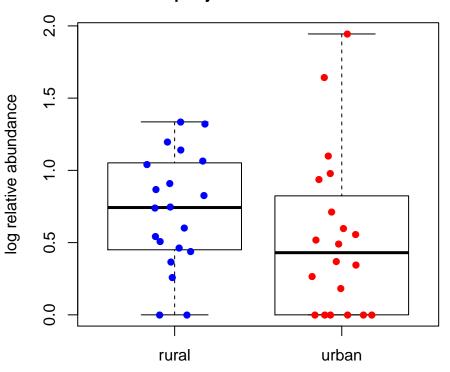
## WGS genus: Pelodictyon pAdjRuralUrban= 0.385



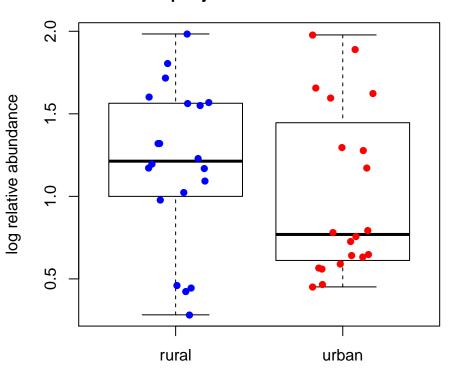
## WGS genus: Aliivibrio pAdjRuralUrban= 0.385



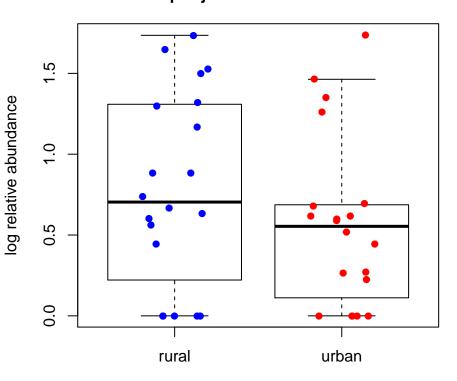
## WGS genus: Acidiphilium pAdjRuralUrban= 0.39



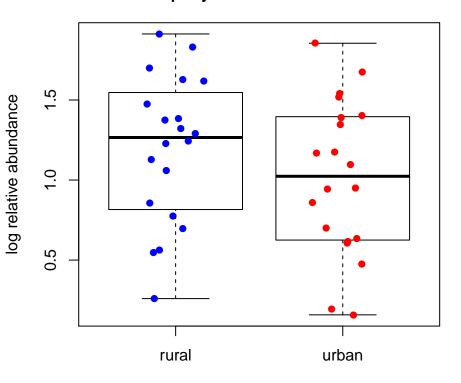
WGS genus: Fluviicola pAdjRuralUrban= 0.391



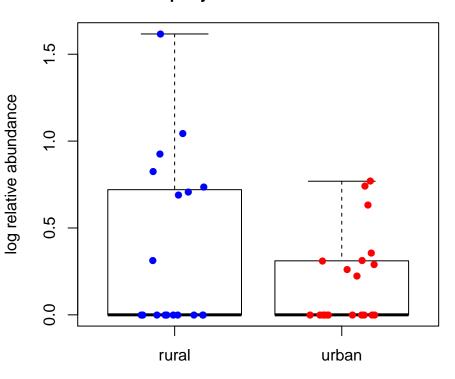
## WGS genus: Marinomonas pAdjRuralUrban= 0.391



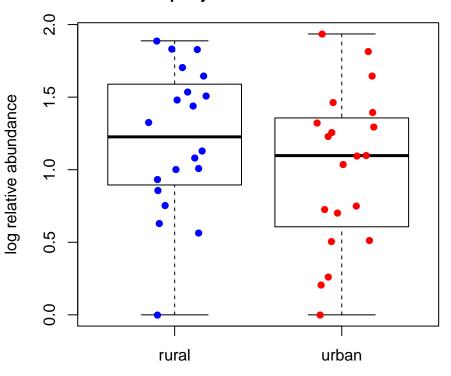
## WGS genus: Symbiobacterium pAdjRuralUrban= 0.392



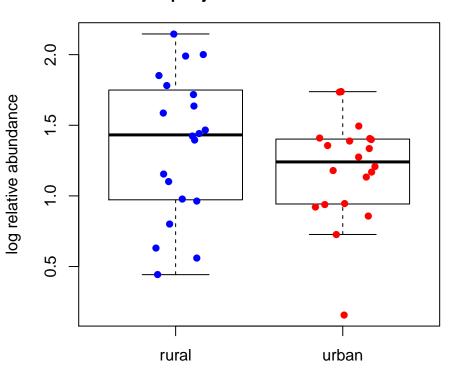
## WGS genus: Wolinella pAdjRuralUrban= 0.396



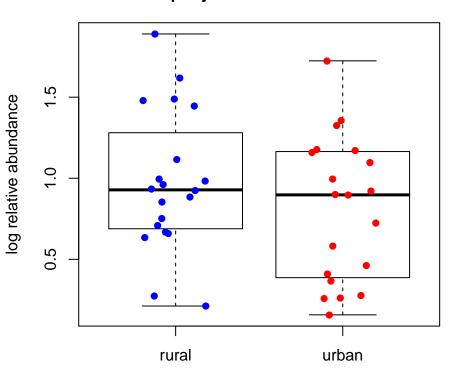
## WGS genus: Rhodopseudomonas pAdjRuralUrban= 0.403



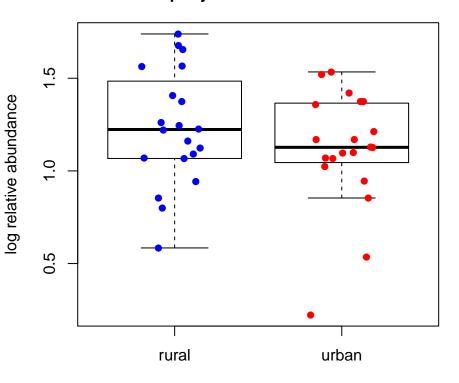
## WGS genus: Chitinophaga pAdjRuralUrban= 0.403



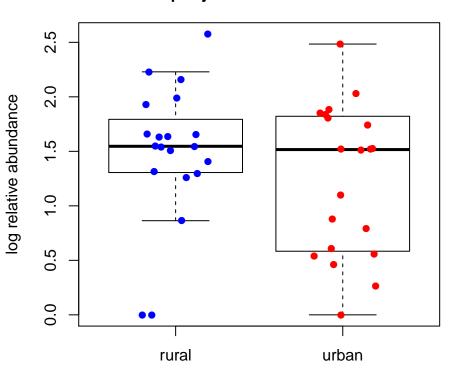
## WGS genus: Gallionella pAdjRuralUrban= 0.406



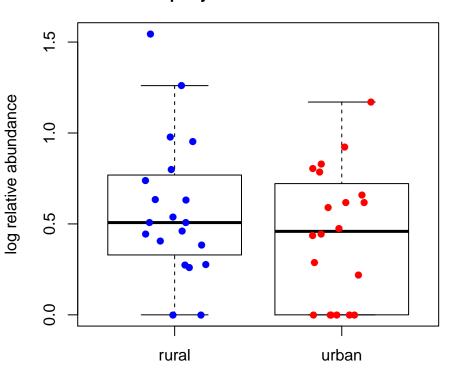
## WGS genus: Thermoanaerobacterium pAdjRuralUrban= 0.406



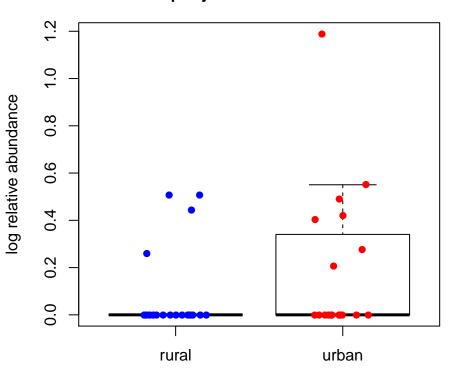
## WGS genus: Pectobacterium pAdjRuralUrban= 0.419



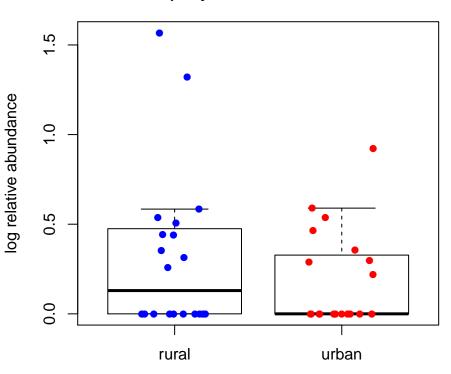
## WGS genus: Thioalkalimicrobium pAdjRuralUrban= 0.419



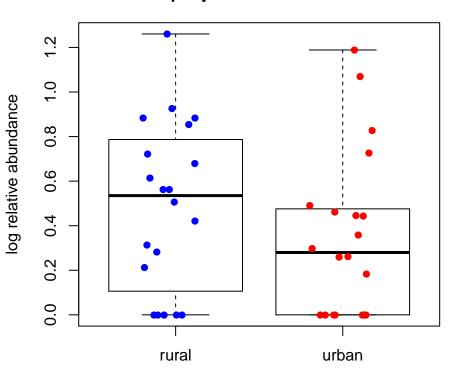
## WGS genus: Thermodesulfobacterium pAdjRuralUrban= 0.424



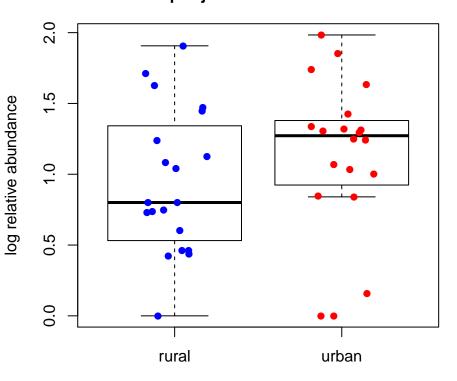
WGS genus: Leptospira pAdjRuralUrban= 0.424



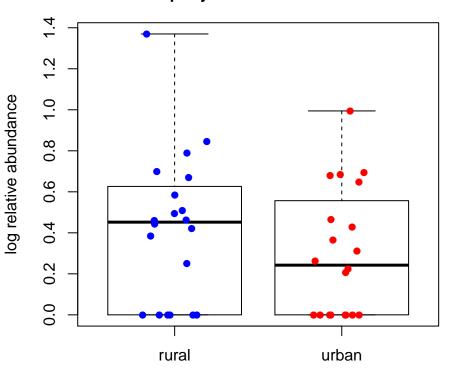
## WGS genus: Syntrophus pAdjRuralUrban= 0.424



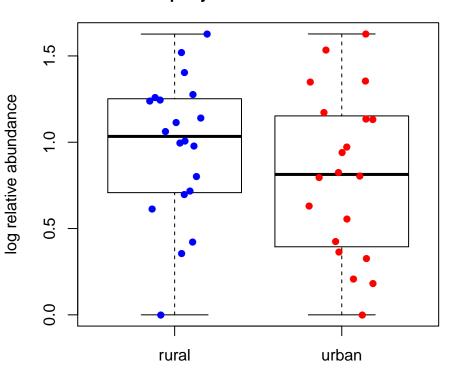
## WGS genus: Methanocorpusculum pAdjRuralUrban= 0.426



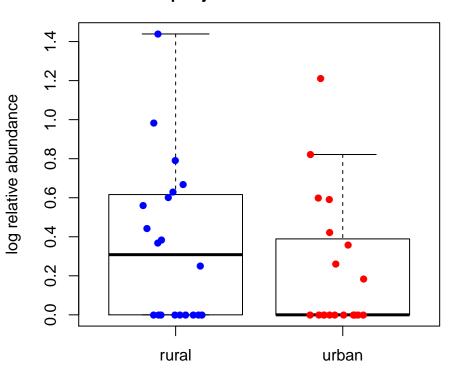
# WGS genus: Sideroxydans pAdjRuralUrban= 0.426



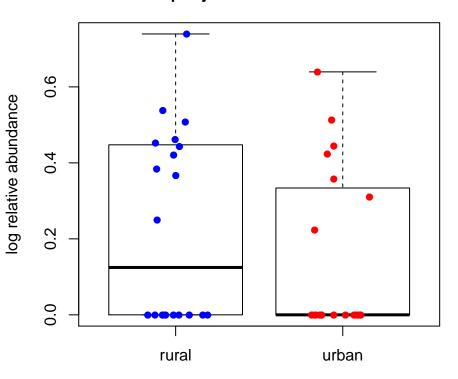
## WGS genus: Cellulomonas pAdjRuralUrban= 0.433



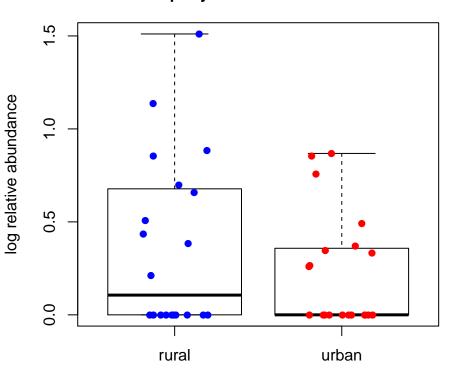
## WGS genus: Microlunatus pAdjRuralUrban= 0.434



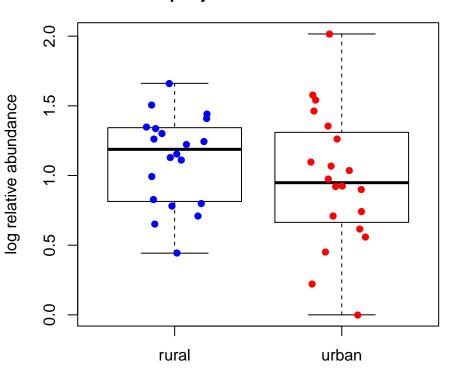
WGS genus: Weeksella pAdjRuralUrban= 0.434



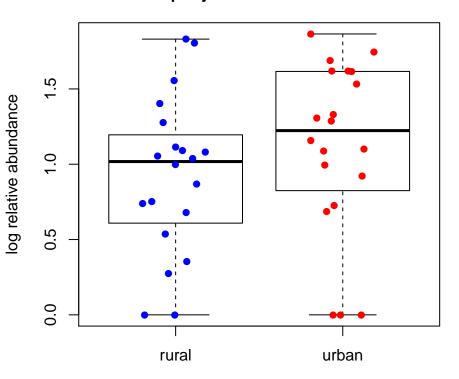
WGS genus: Hahella pAdjRuralUrban= 0.435



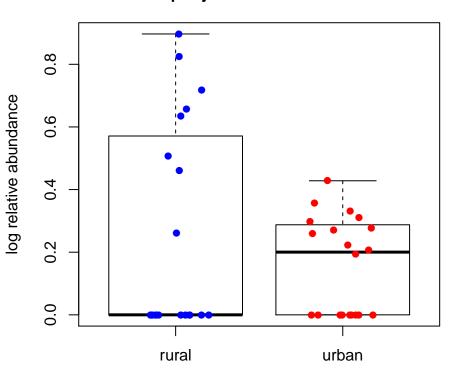
## WGS genus: Thermaerobacter pAdjRuralUrban= 0.435



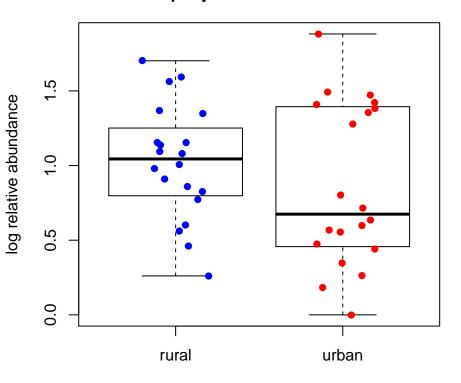
## WGS genus: Runella pAdjRuralUrban= 0.445



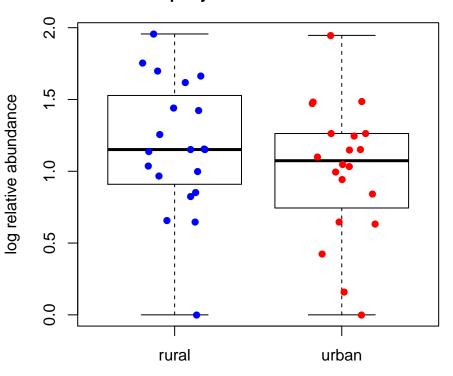
## WGS genus: Thiomicrospira pAdjRuralUrban= 0.445



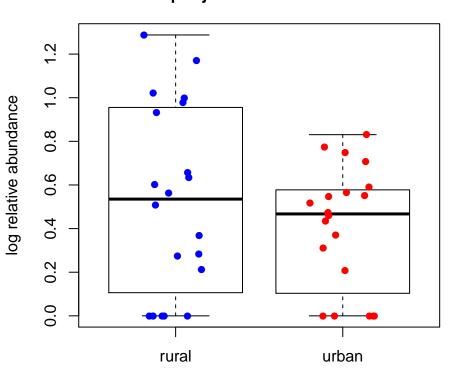
## WGS genus: Nocardia pAdjRuralUrban= 0.465



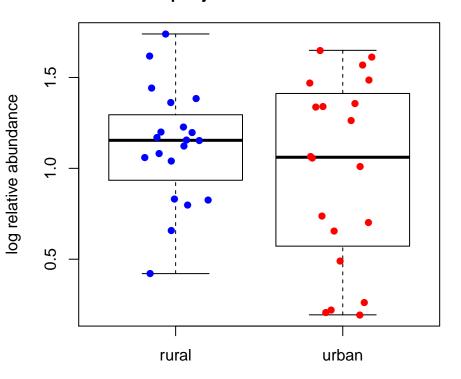
## WGS genus: Kinetoplastibacterium pAdjRuralUrban= 0.466



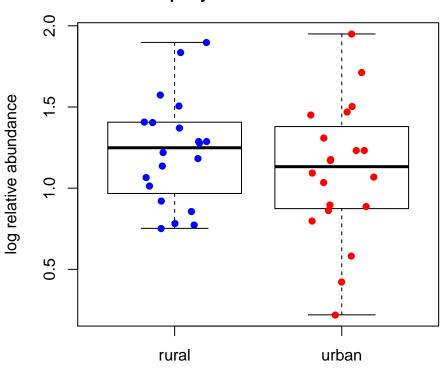
## WGS genus: Stackebrandtia pAdjRuralUrban= 0.474



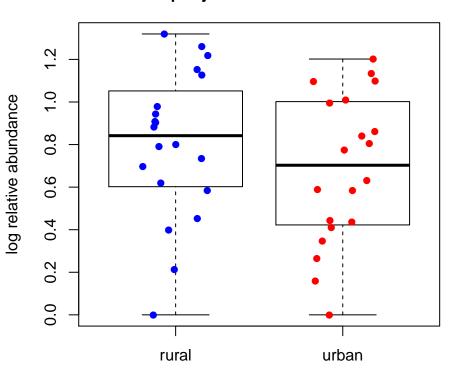
## WGS genus: Ramlibacter pAdjRuralUrban= 0.474



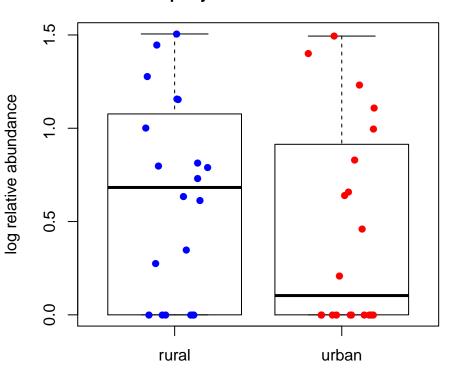
## WGS genus: Xanthomonas pAdjRuralUrban= 0.474



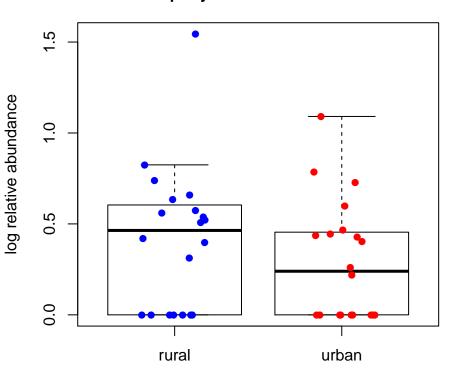
## WGS genus: Desulfobacterium pAdjRuralUrban= 0.474



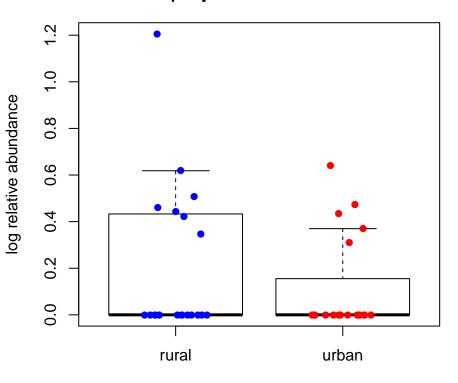
## WGS genus: Rhodomicrobium pAdjRuralUrban= 0.474



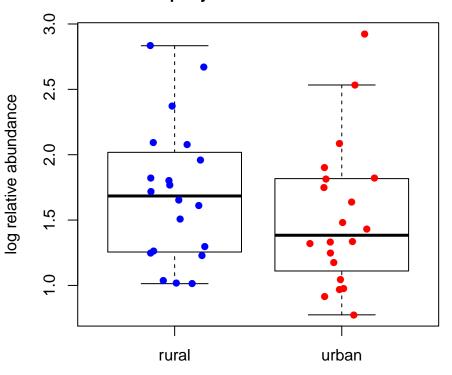
## WGS genus: Trichormus pAdjRuralUrban= 0.474



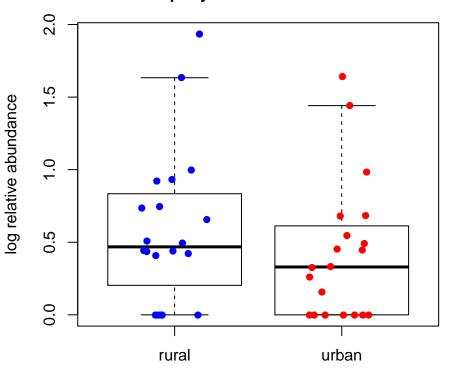
## WGS genus: Thermodesulfatator pAdjRuralUrban= 0.475



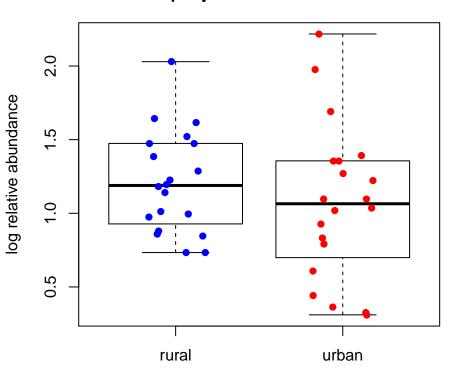
WGS genus: Serratia pAdjRuralUrban= 0.475



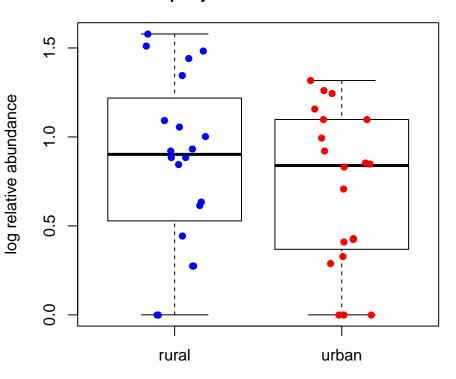
## WGS genus: Phenylobacterium pAdjRuralUrban= 0.476



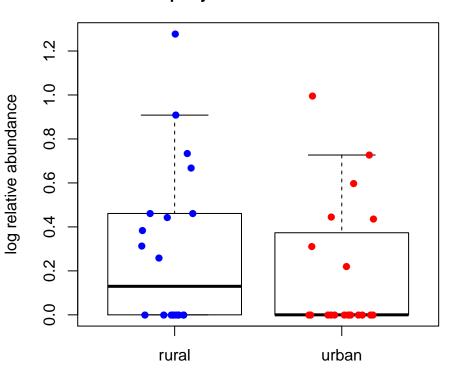
## WGS genus: Myxococcus pAdjRuralUrban= 0.476



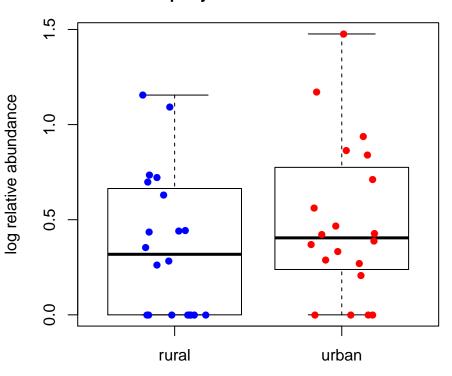
## WGS genus: Granulicella pAdjRuralUrban= 0.478



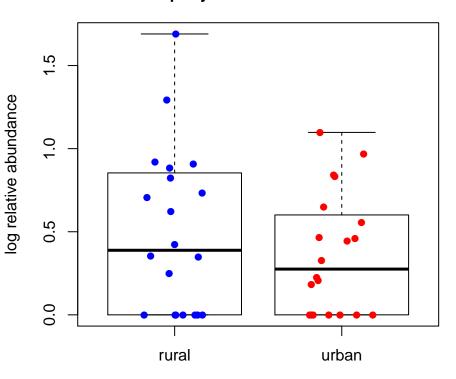
## WGS genus: Polynucleobacter pAdjRuralUrban= 0.479



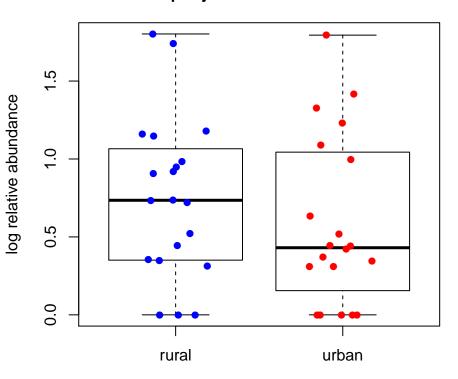
## WGS genus: Caldisericum pAdjRuralUrban= 0.491



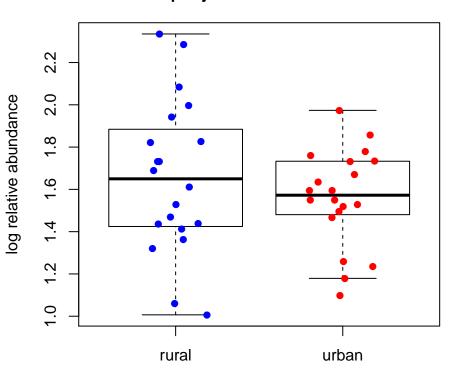
## WGS genus: Desulfotalea pAdjRuralUrban= 0.498



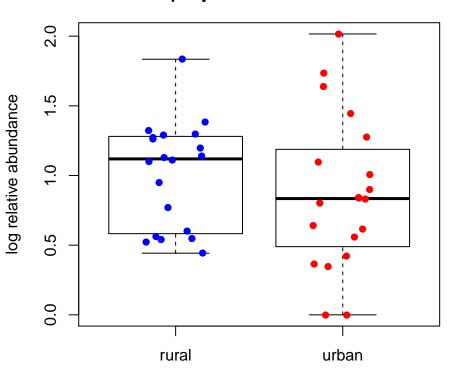
# WGS genus: Halothiobacillus pAdjRuralUrban= 0.498



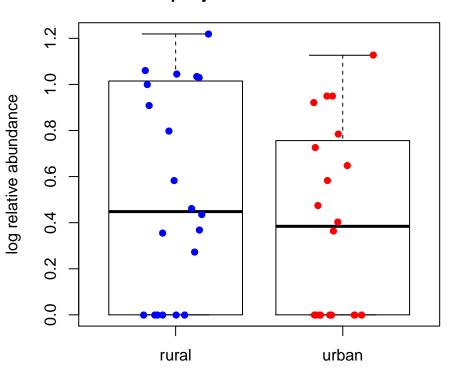
## WGS genus: Flavobacterium pAdjRuralUrban= 0.502



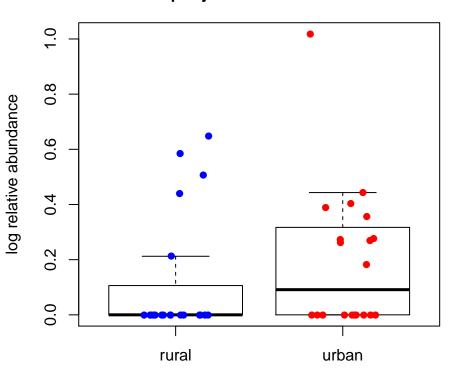
WGS genus: Frankia pAdjRuralUrban= 0.505



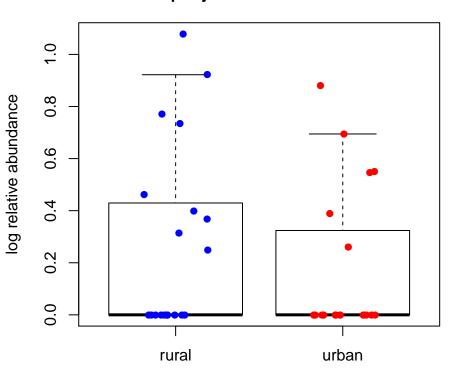
## WGS genus: Thermosipho pAdjRuralUrban= 0.505



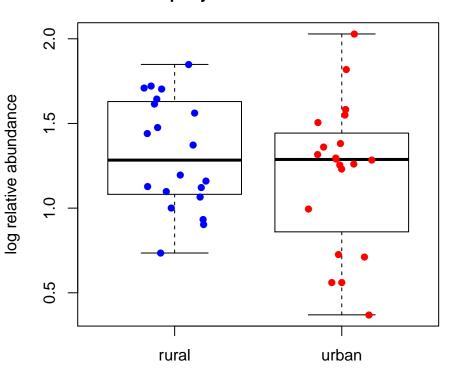
## WGS genus: Dehalogenimonas pAdjRuralUrban= 0.505



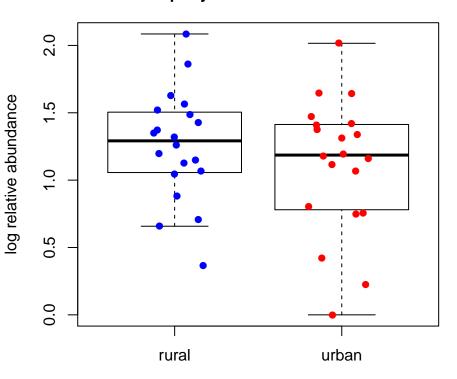
## WGS genus: Hydrogenobacter pAdjRuralUrban= 0.505



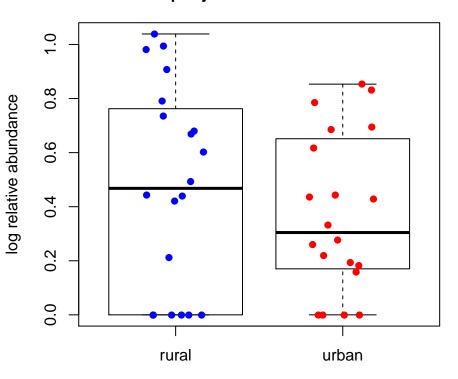
## WGS genus: Sinorhizobium pAdjRuralUrban= 0.506



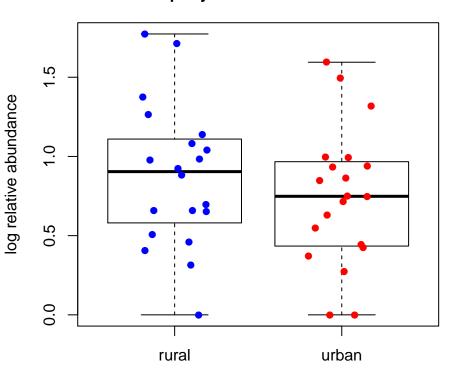
# WGS genus: Ferrimonas pAdjRuralUrban= 0.506



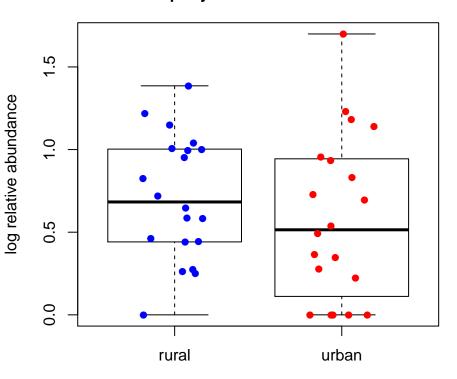
# WGS genus: Alcanivorax pAdjRuralUrban= 0.521



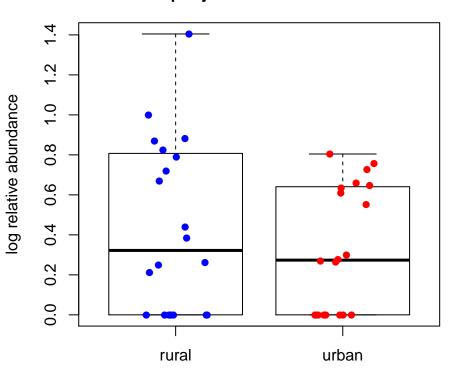
## WGS genus: Tetragenococcus pAdjRuralUrban= 0.521



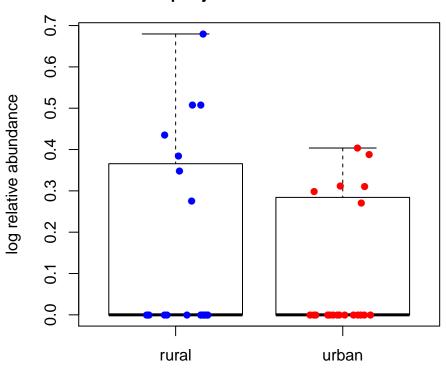
## WGS genus: Singulisphaera pAdjRuralUrban= 0.527



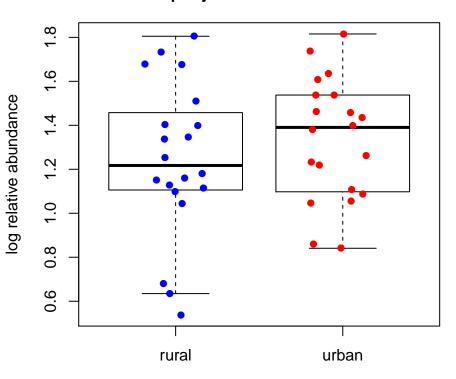
### WGS genus: Magnetococcus pAdjRuralUrban= 0.529



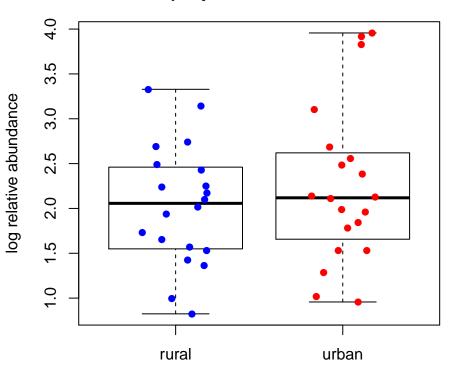
WGS genus: Isosphaera pAdjRuralUrban= 0.532



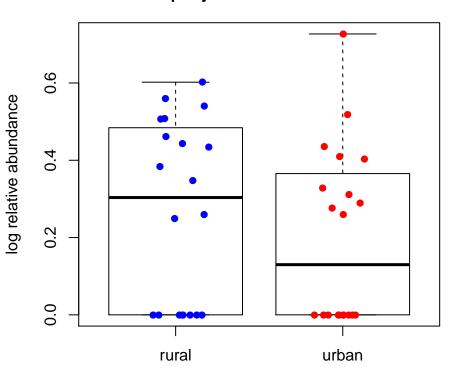
## WGS genus: Syntrophobotulus pAdjRuralUrban= 0.533



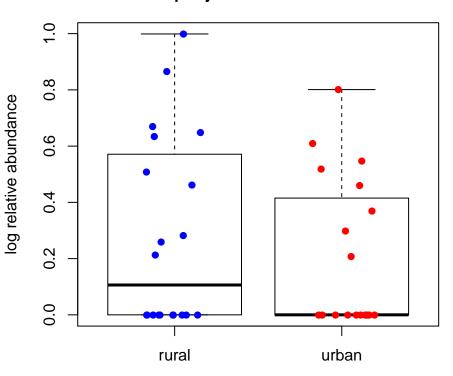
WGS genus: Shigella pAdjRuralUrban= 0.533



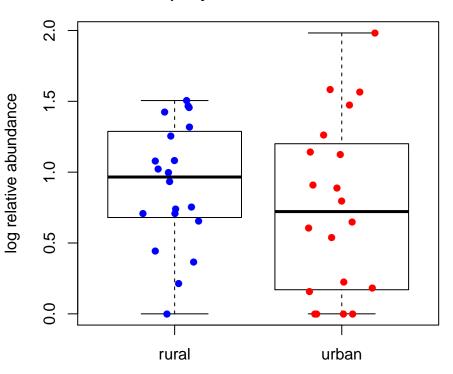
## WGS genus: Cycloclasticus pAdjRuralUrban= 0.534



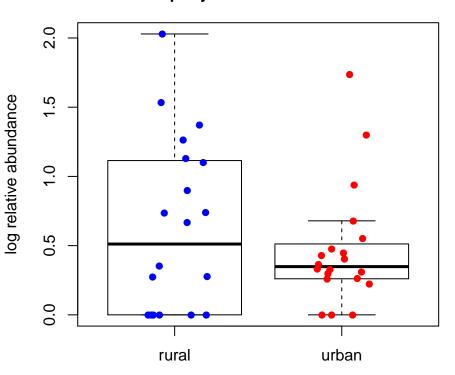
## WGS genus: Methanoregula pAdjRuralUrban= 0.54



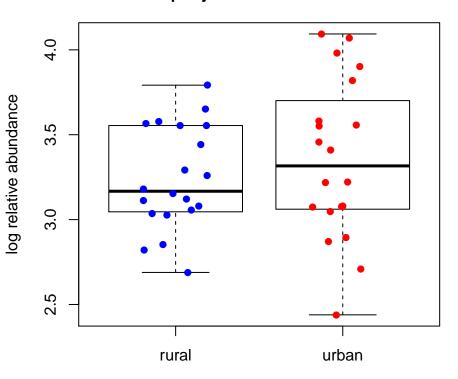
WGS genus: Truepera pAdjRuralUrban= 0.541



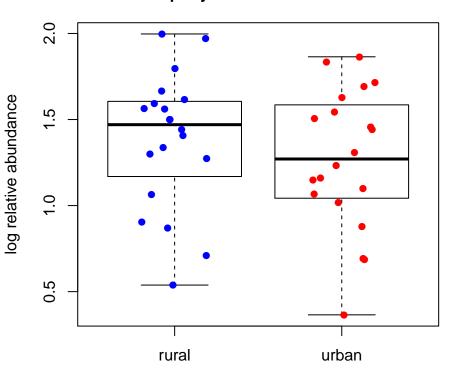
WGS genus: Weissella pAdjRuralUrban= 0.541



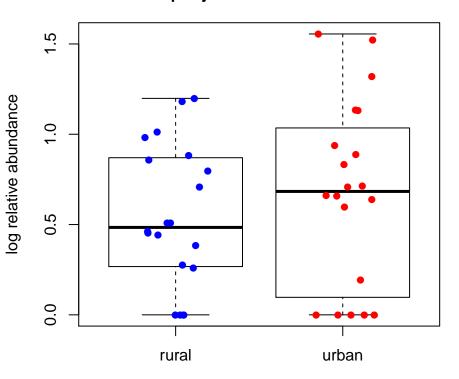
WGS genus: Tannerella pAdjRuralUrban= 0.541



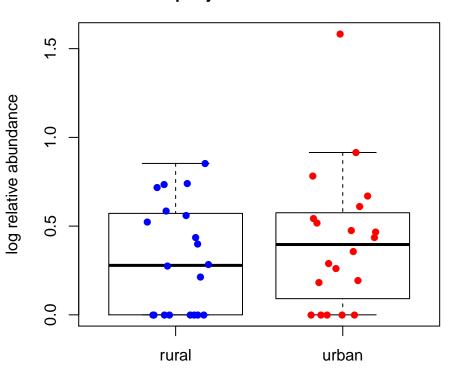
## WGS genus: Chlorobium pAdjRuralUrban= 0.542



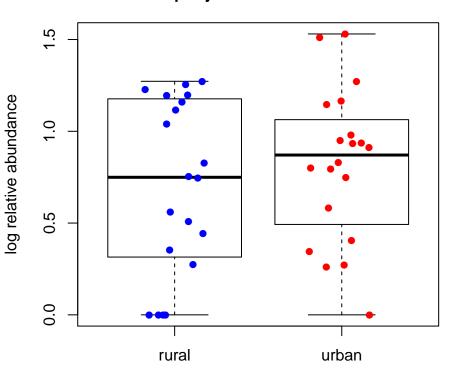
## WGS genus: Cylindrospermum pAdjRuralUrban= 0.542



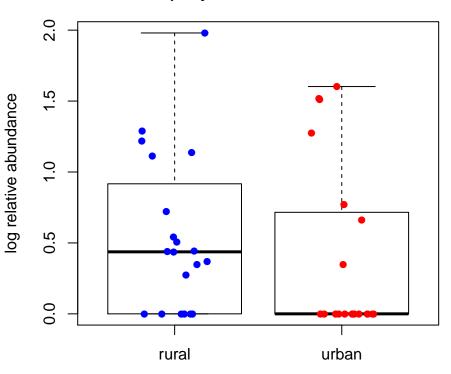
## WGS genus: Oscillatoria pAdjRuralUrban= 0.55



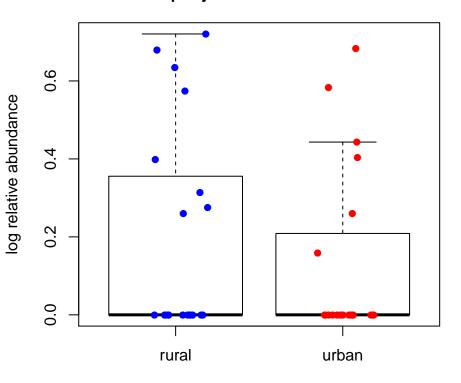
## WGS genus: Prosthecochloris pAdjRuralUrban= 0.56



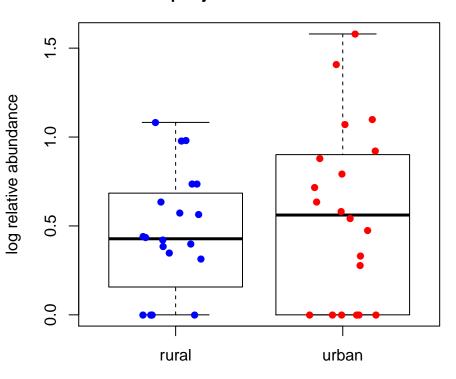
WGS genus: T4likevirus pAdjRuralUrban= 0.566



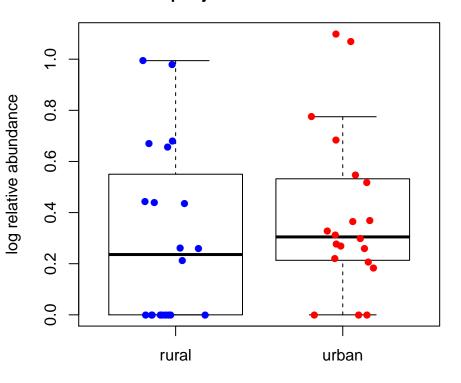
## WGS genus: Candidatus\_Carsonella pAdjRuralUrban= 0.569



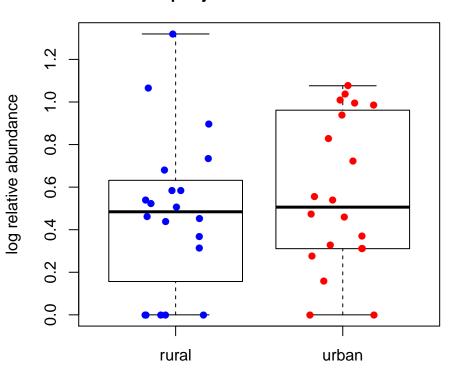
## WGS genus: Marinitoga pAdjRuralUrban= 0.569



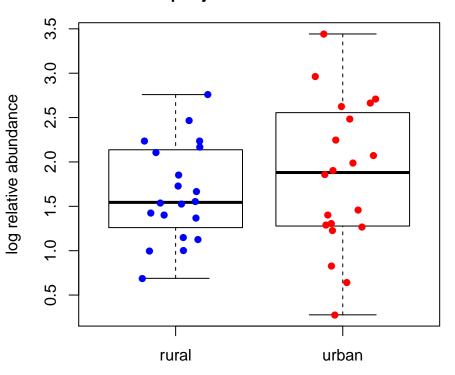
## WGS genus: Anoxybacillus pAdjRuralUrban= 0.573



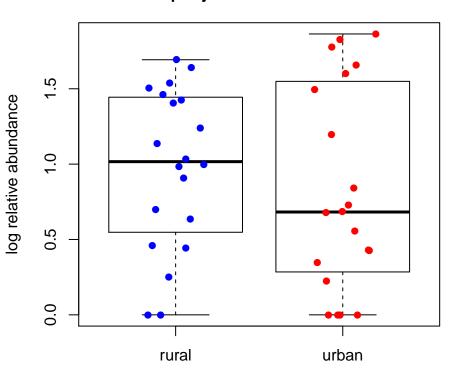
## WGS genus: Melioribacter pAdjRuralUrban= 0.578



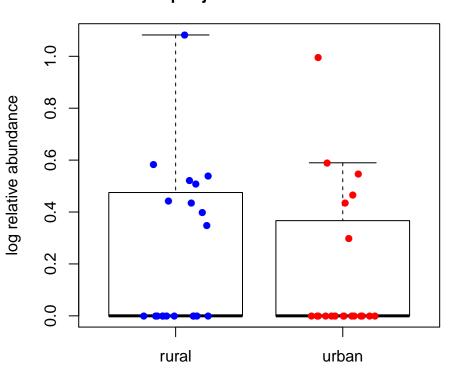
## WGS genus: Fusobacterium pAdjRuralUrban= 0.584



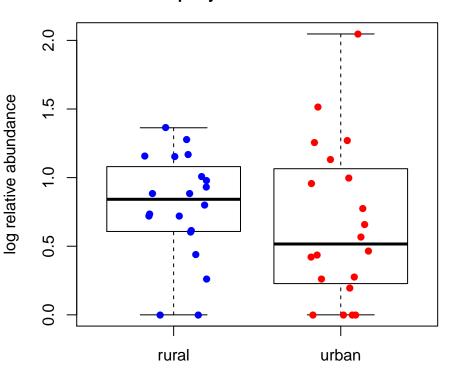
## WGS genus: Collimonas pAdjRuralUrban= 0.593



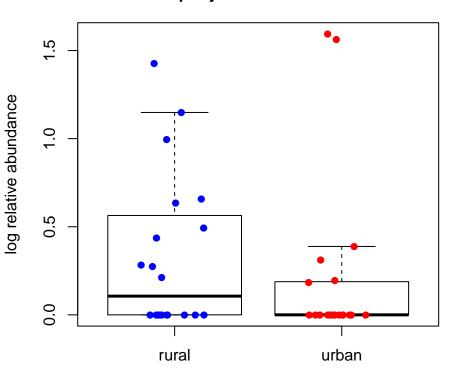
# WGS genus: Acidothermus pAdjRuralUrban= 0.594



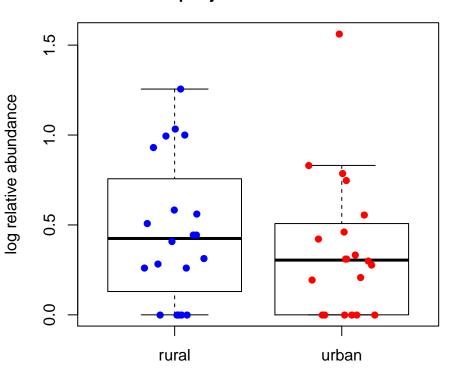
## WGS genus: Phycisphaera pAdjRuralUrban= 0.6



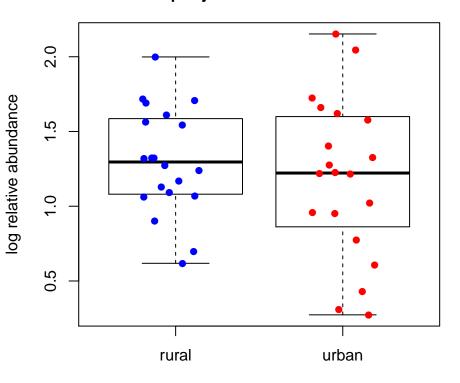
## WGS genus: Chlamydia pAdjRuralUrban= 0.6



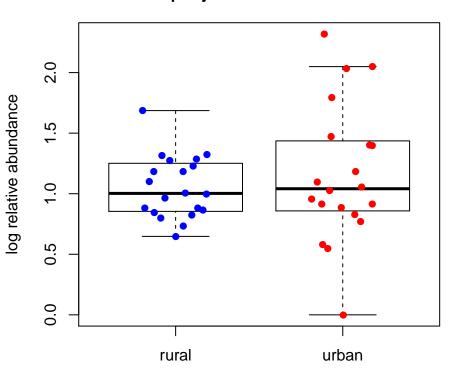
## WGS genus: Dokdonia pAdjRuralUrban= 0.6



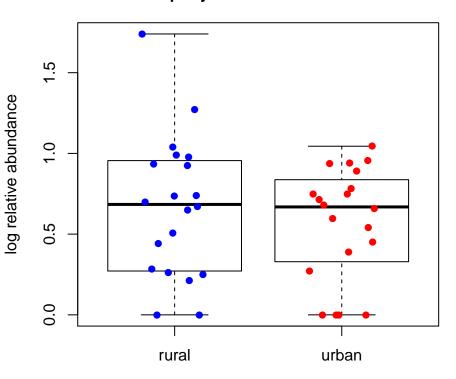
# WGS genus: Anaeromyxobacter pAdjRuralUrban= 0.601



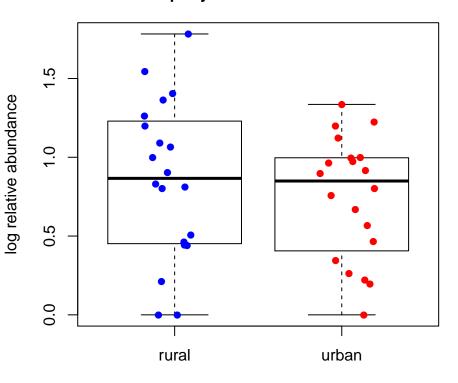
WGS genus: Ilyobacter pAdjRuralUrban= 0.602



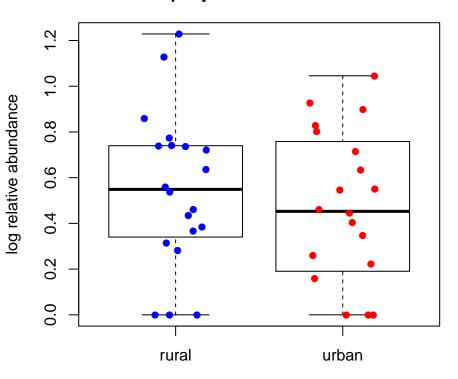
# WGS genus: Herminiimonas pAdjRuralUrban= 0.605



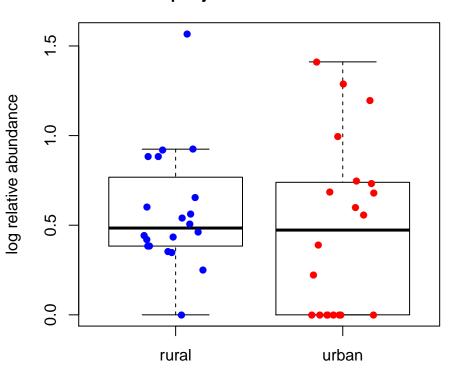
## WGS genus: Thermanaerovibrio pAdjRuralUrban= 0.606



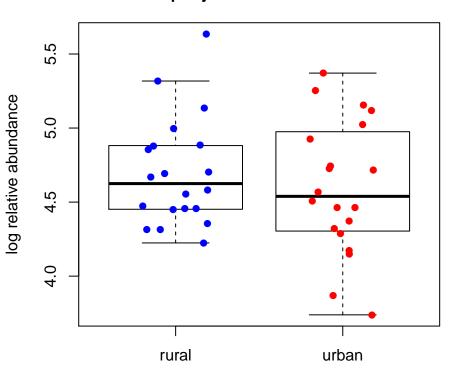
WGS genus: Nautilia pAdjRuralUrban= 0.611



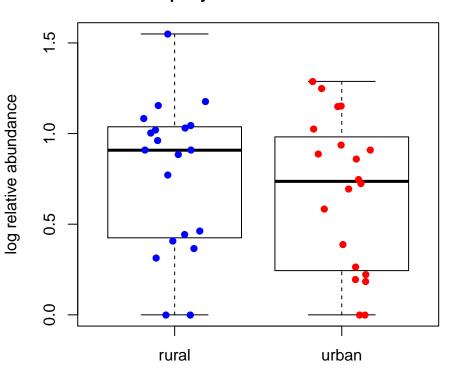
## WGS genus: Anaerolinea pAdjRuralUrban= 0.611



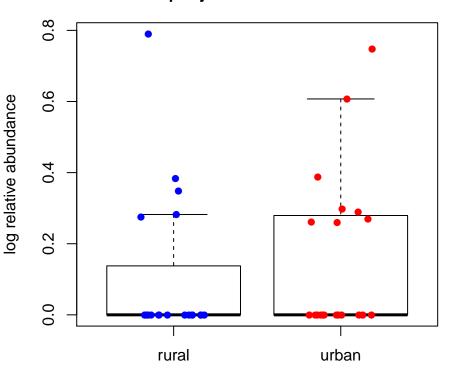
## WGS genus: Alistipes pAdjRuralUrban= 0.611



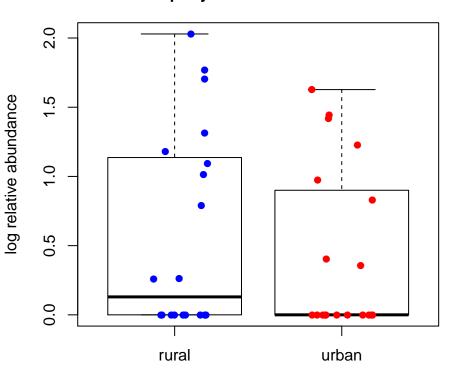
## WGS genus: Zunongwangia pAdjRuralUrban= 0.611



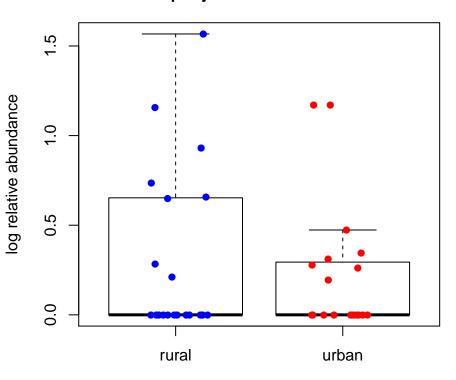
# WGS genus: Candidatus\_Portiera pAdjRuralUrban= 0.619



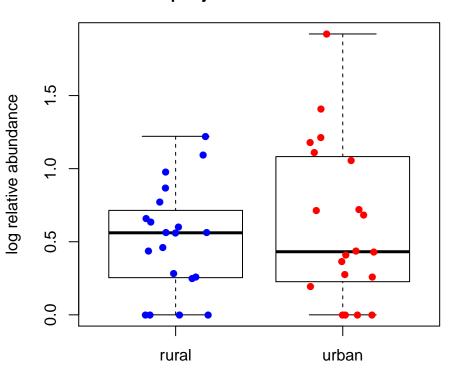
# WGS genus: Thermovibrio pAdjRuralUrban= 0.621



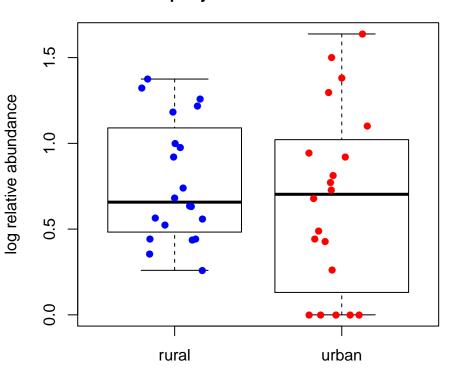
# WGS genus: Ornithobacterium pAdjRuralUrban= 0.621



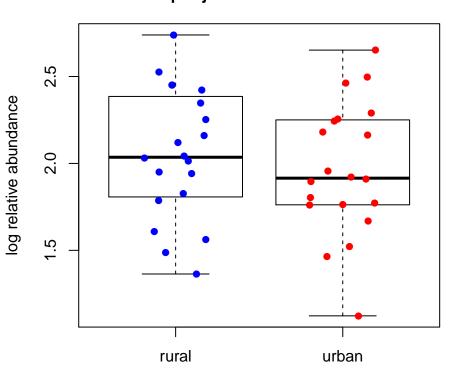
## WGS genus: Methanococcus pAdjRuralUrban= 0.621



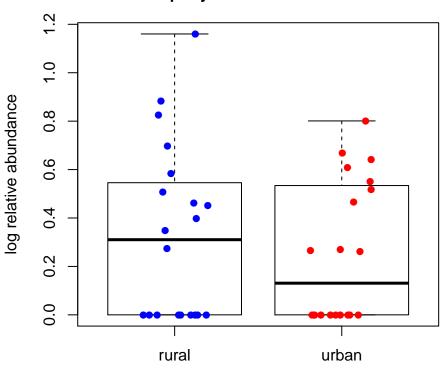
WGS genus: Leisingera pAdjRuralUrban= 0.621



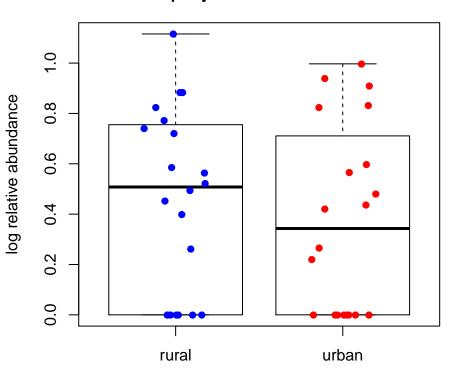
## WGS genus: Streptomyces pAdjRuralUrban= 0.621



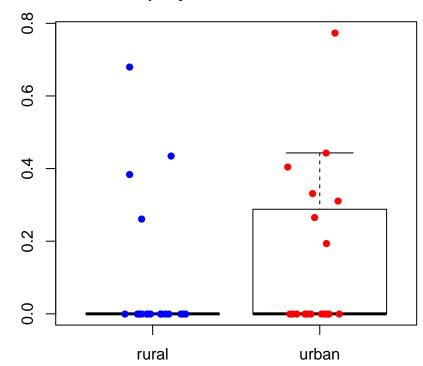
## WGS genus: Modestobacter pAdjRuralUrban= 0.621



## WGS genus: Ammonifex pAdjRuralUrban= 0.621

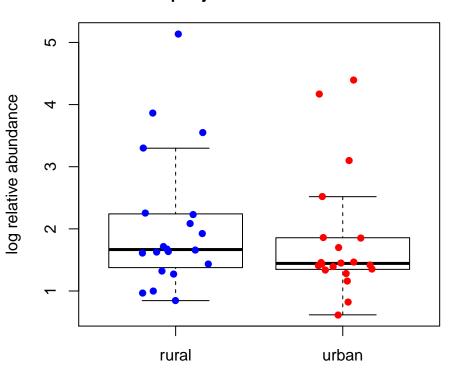


WGS genus: Natrinema pAdjRuralUrban= 0.622

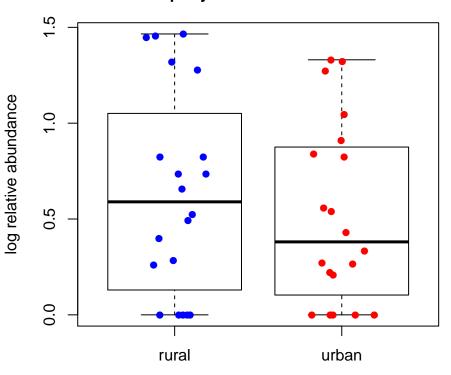


log relative abundance

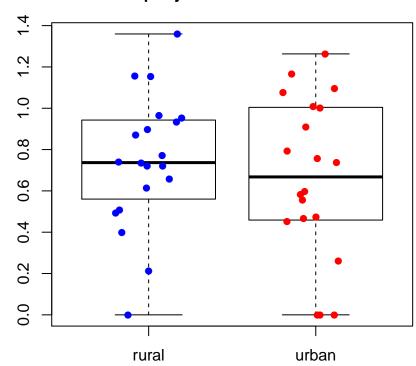
## WGS genus: Akkermansia pAdjRuralUrban= 0.622



WGS genus: Spiribacter pAdjRuralUrban= 0.622

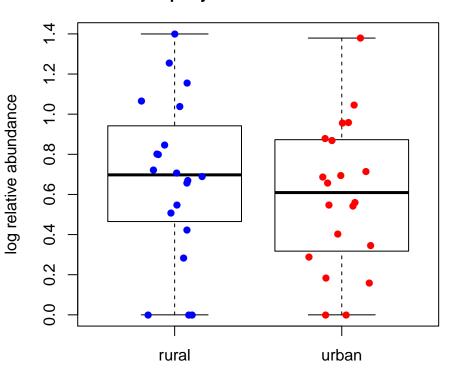


## WGS genus: Rhodoferax pAdjRuralUrban= 0.624

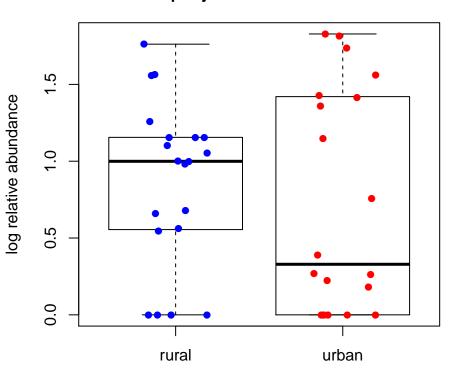


log relative abundance

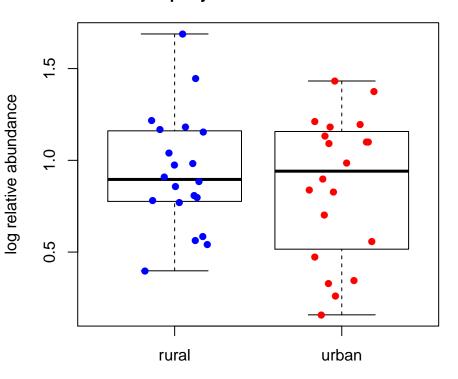
## WGS genus: Thermomonospora pAdjRuralUrban= 0.648



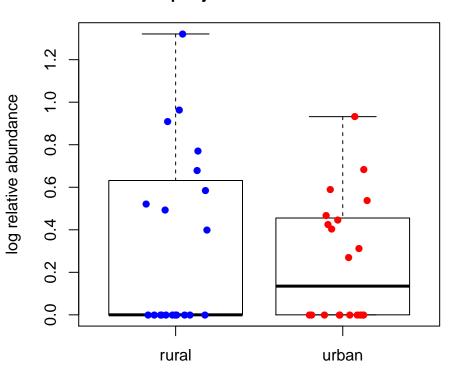
## WGS genus: Chloroherpeton pAdjRuralUrban= 0.648



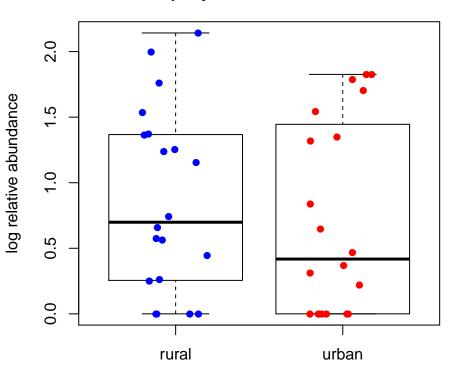
## WGS genus: Catenulispora pAdjRuralUrban= 0.649



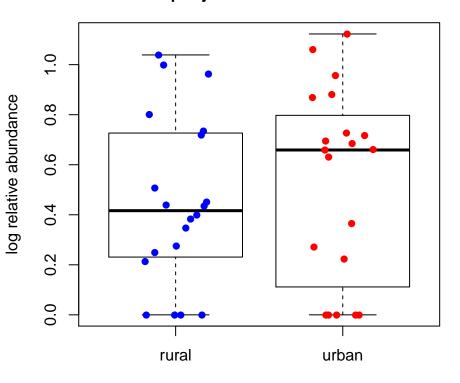
## WGS genus: Leptolyngbya pAdjRuralUrban= 0.653



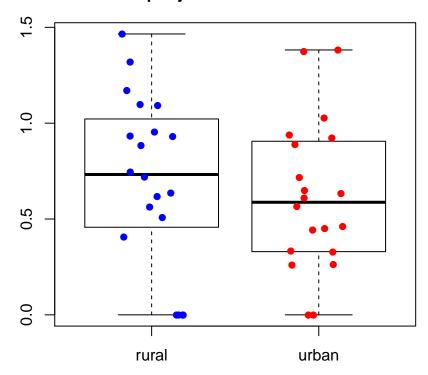
WGS genus: Colwellia pAdjRuralUrban= 0.653



## WGS genus: Phaeobacter pAdjRuralUrban= 0.653

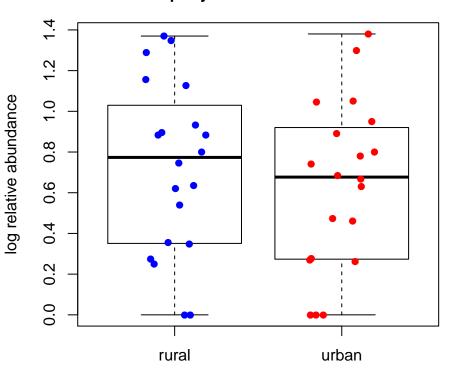


## WGS genus: Gluconacetobacter pAdjRuralUrban= 0.655

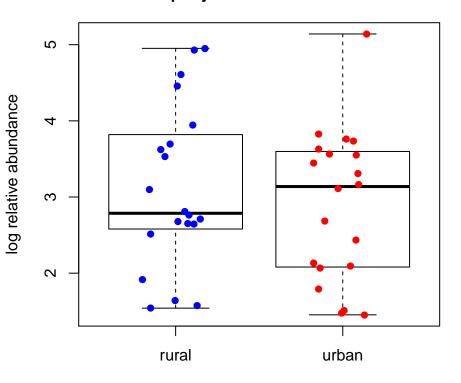


log relative abundance

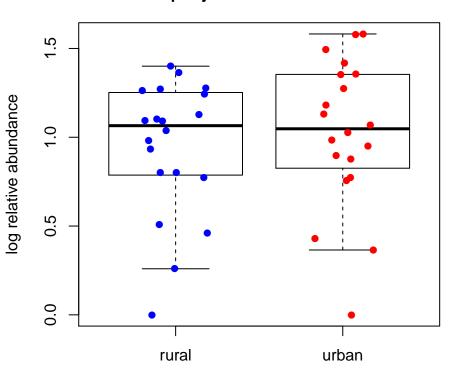
WGS genus: Pandoraea pAdjRuralUrban= 0.655



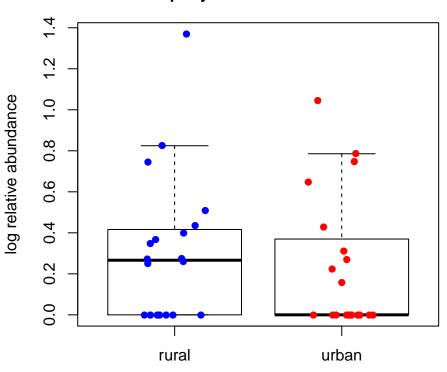
## WGS genus: Enterobacter pAdjRuralUrban= 0.655



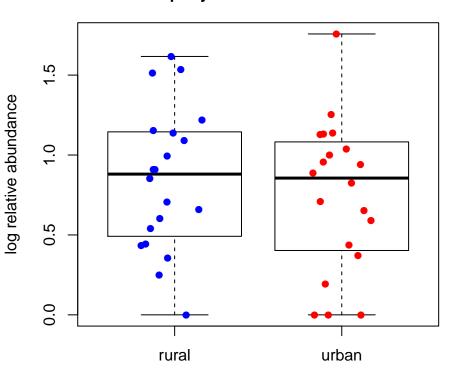
## WGS genus: Desulfurivibrio pAdjRuralUrban= 0.655



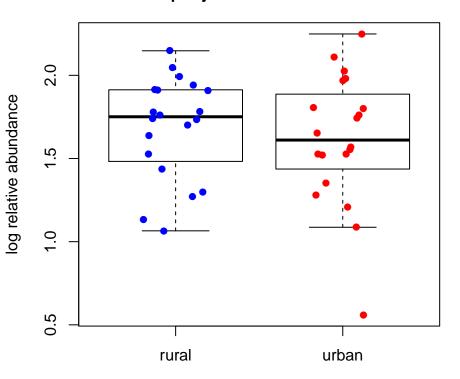
## WGS genus: Oceanobacillus pAdjRuralUrban= 0.665



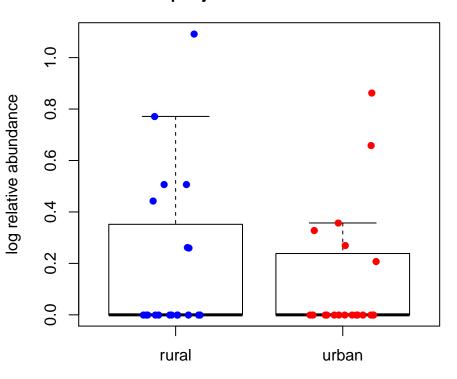
## WGS genus: Geitlerinema pAdjRuralUrban= 0.666



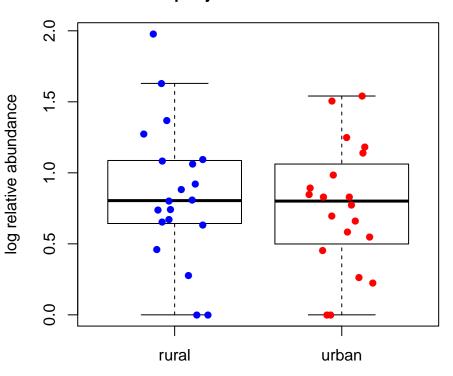
## WGS genus: Mycobacterium pAdjRuralUrban= 0.669



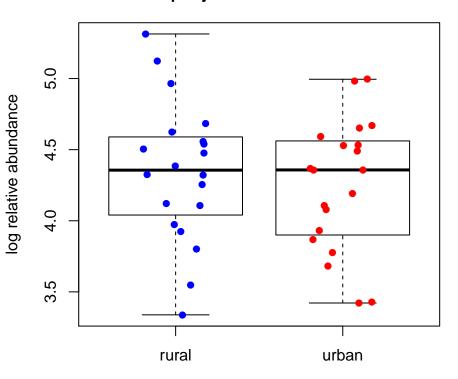
WGS genus: Jannaschia pAdjRuralUrban= 0.674



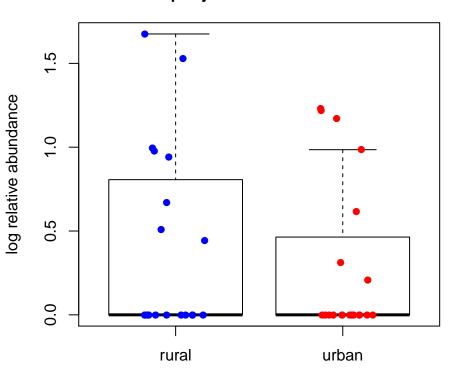
# WGS genus: Xenorhabdus pAdjRuralUrban= 0.68



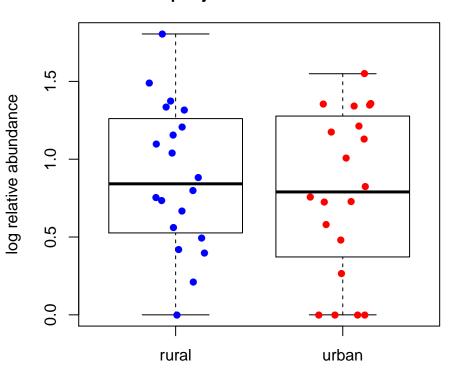
## WGS genus: Odoribacter pAdjRuralUrban= 0.687



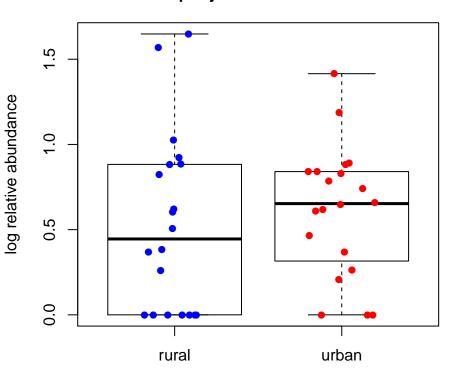
WGS genus: Hirschia pAdjRuralUrban= 0.696



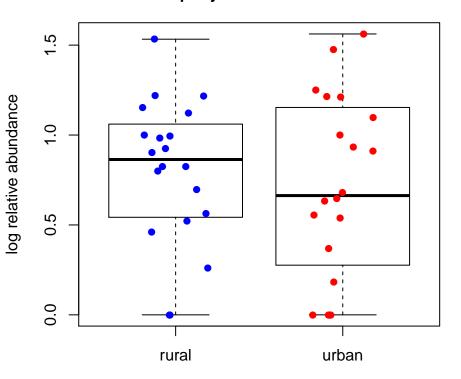
## WGS genus: Halomonas pAdjRuralUrban= 0.699



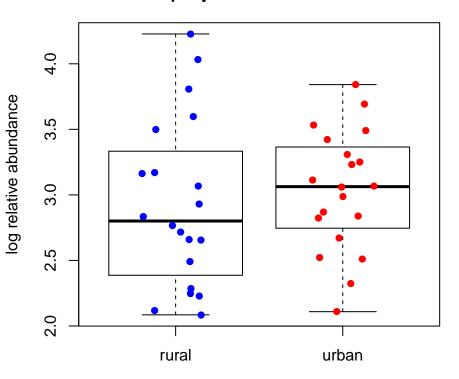
## WGS genus: Glaciecola pAdjRuralUrban= 0.7



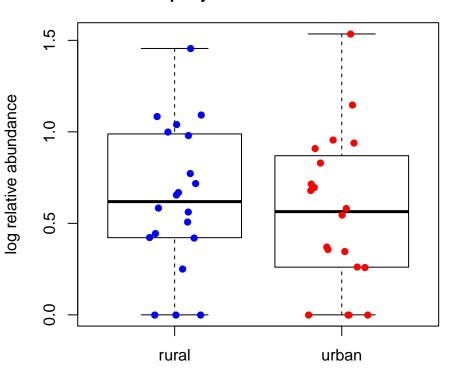
## WGS genus: Amycolatopsis pAdjRuralUrban= 0.7



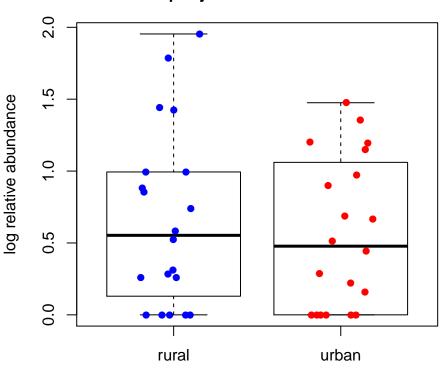
## WGS genus: Eggerthella pAdjRuralUrban= 0.708



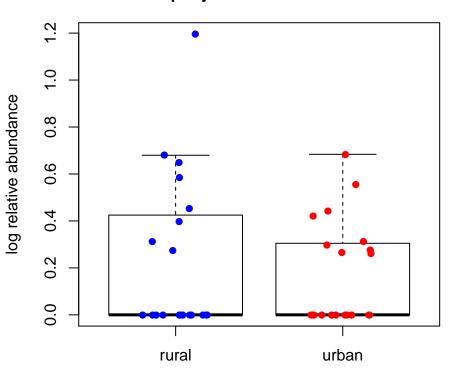
# WGS genus: Actinosynnema pAdjRuralUrban= 0.712



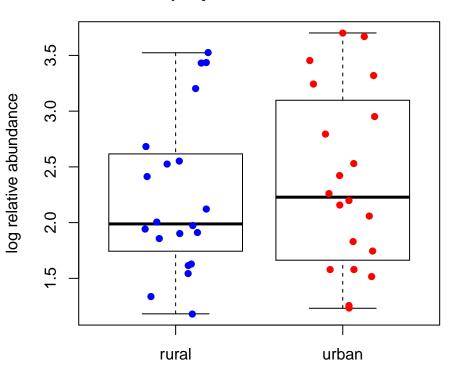
## WGS genus: Methylophaga pAdjRuralUrban= 0.722



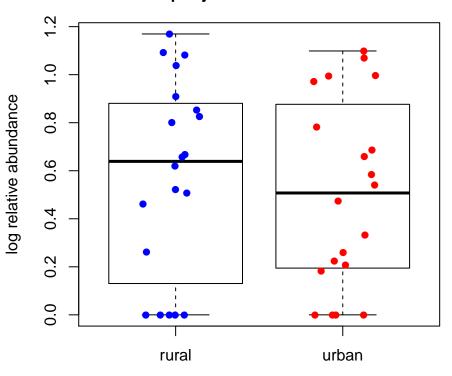
## WGS genus: Parvularcula pAdjRuralUrban= 0.722



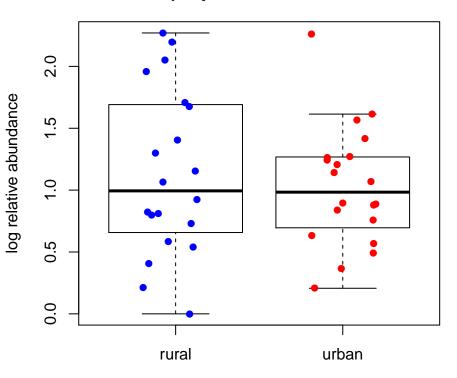
## WGS genus: Salmonella pAdjRuralUrban= 0.723



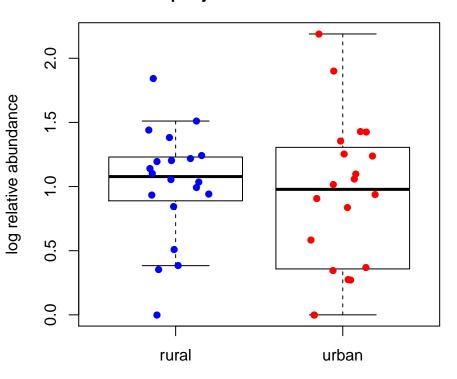
## WGS genus: Sphaerobacter pAdjRuralUrban= 0.731



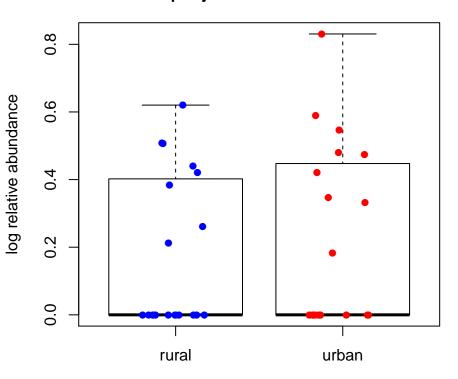
## WGS genus: Rahnella pAdjRuralUrban= 0.733



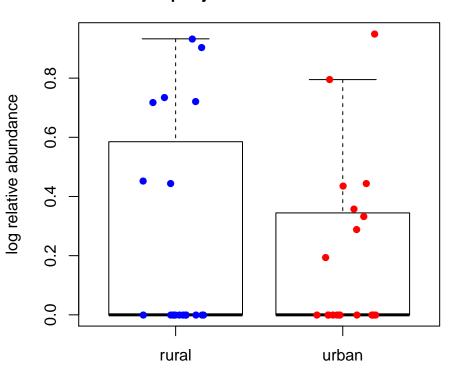
## WGS genus: Desulfococcus pAdjRuralUrban= 0.733



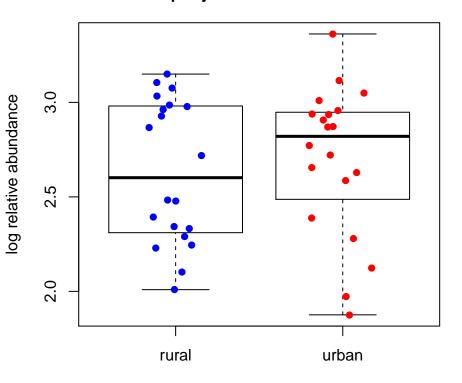
## WGS genus: Elusimicrobium pAdjRuralUrban= 0.736



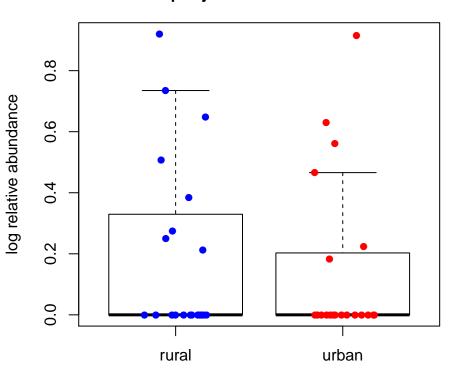
## WGS genus: Pelagibacterium pAdjRuralUrban= 0.738



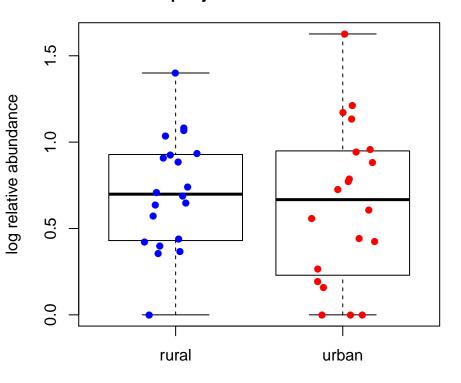
## WGS genus: Campylobacter pAdjRuralUrban= 0.739



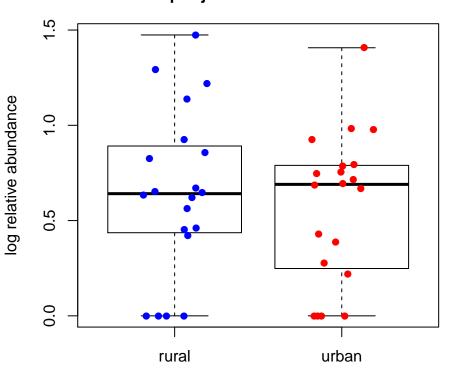
## WGS genus: Natranaerobius pAdjRuralUrban= 0.739



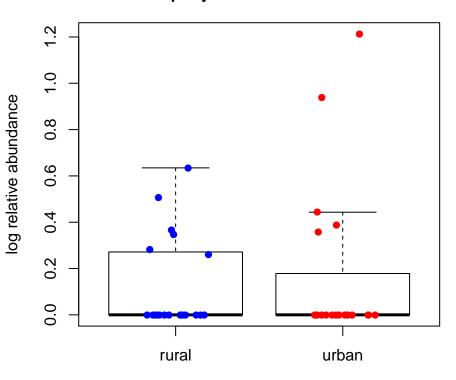
## WGS genus: Saccharopolyspora pAdjRuralUrban= 0.739



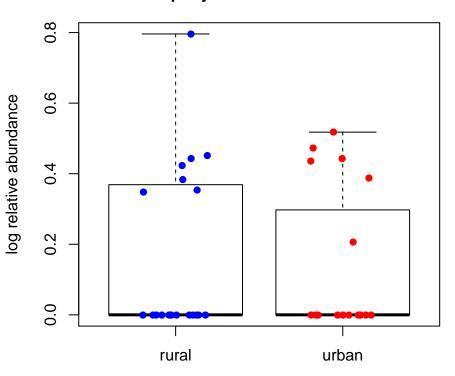
## WGS genus: Candidatus\_Puniceispirillum pAdjRuralUrban= 0.739



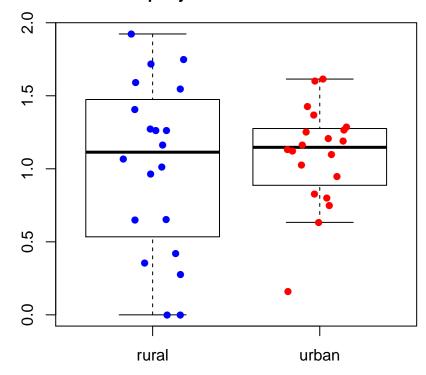
## WGS genus: Chamaesiphon pAdjRuralUrban= 0.742



## WGS genus: Saccharomonospora pAdjRuralUrban= 0.742

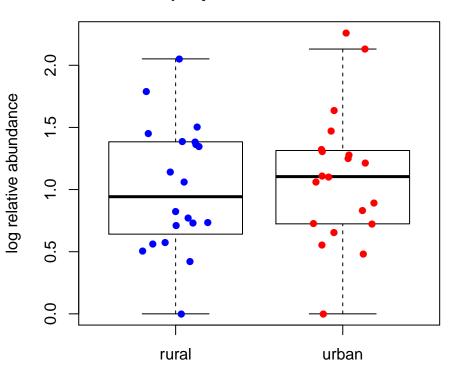


## WGS genus: Polaribacter pAdjRuralUrban= 0.743

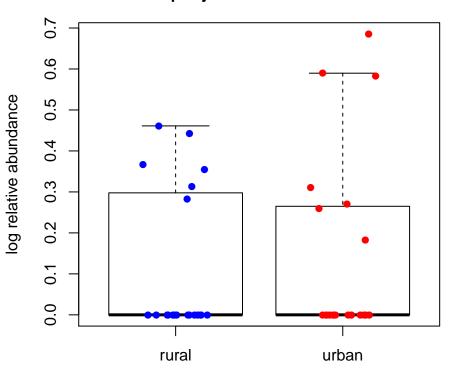


log relative abundance

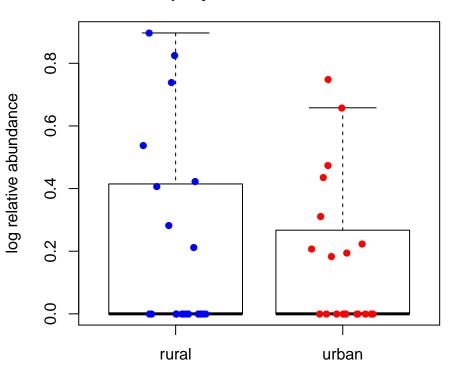
WGS genus: Yersinia pAdjRuralUrban= 0.751



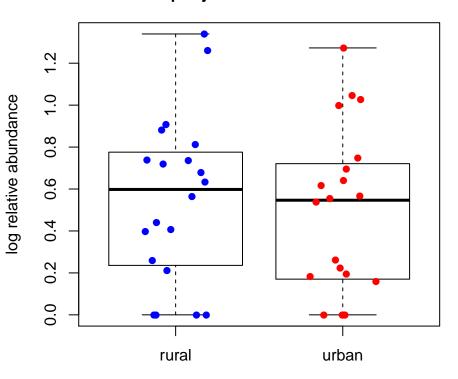
## WGS genus: Pseudanabaena pAdjRuralUrban= 0.751



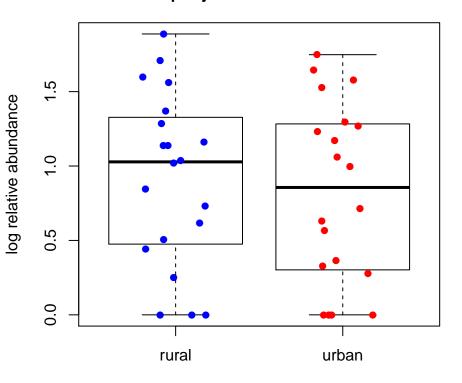
WGS genus: Legionella pAdjRuralUrban= 0.751



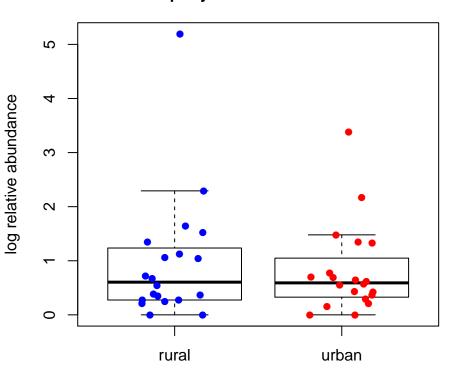
WGS genus: Thiocystis pAdjRuralUrban= 0.752



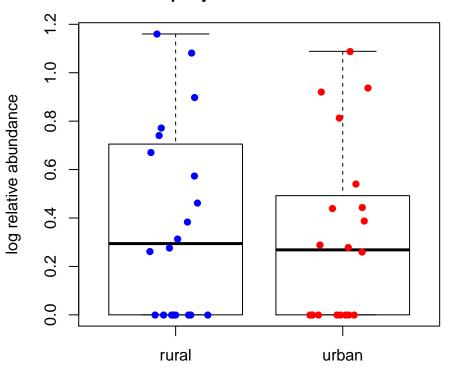
## WGS genus: Oenococcus pAdjRuralUrban= 0.752



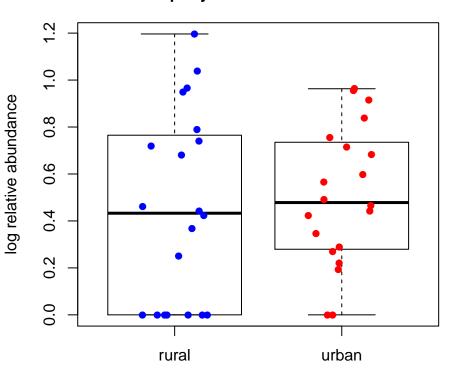
WGS genus: Morganella pAdjRuralUrban= 0.756



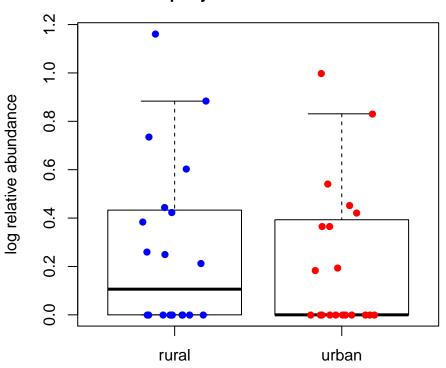
## WGS genus: Nakamurella pAdjRuralUrban= 0.756



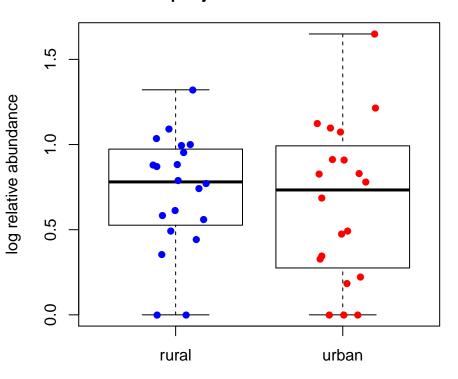
## WGS genus: Methanocella pAdjRuralUrban= 0.758



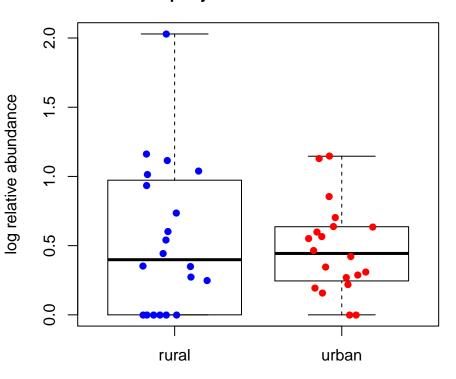
#### WGS genus: Parachlamydia pAdjRuralUrban= 0.759



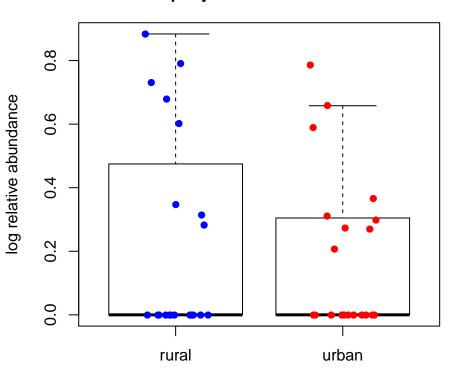
## WGS genus: Nitrobacter pAdjRuralUrban= 0.764



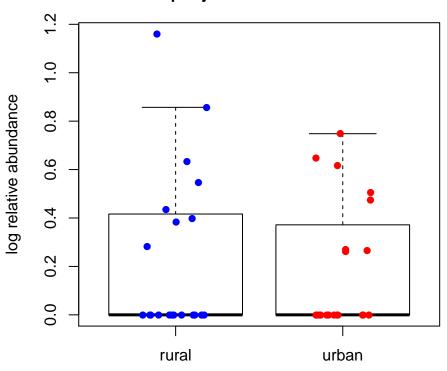
## WGS genus: Nitratifractor pAdjRuralUrban= 0.764



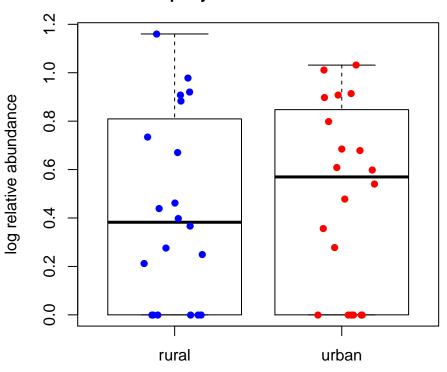
## WGS genus: Chthonomonas pAdjRuralUrban= 0.764



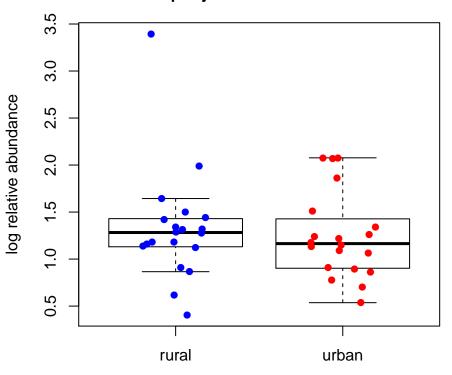
## WGS genus: Nitrosospira pAdjRuralUrban= 0.769



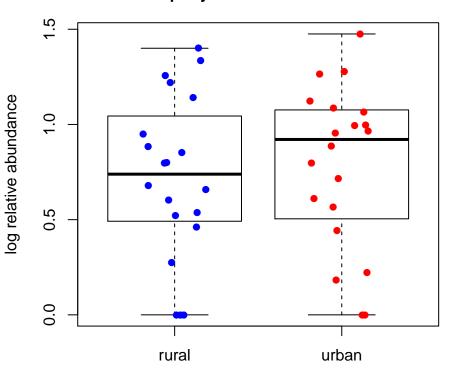
## WGS genus: Candidatus\_Sulcia pAdjRuralUrban= 0.769



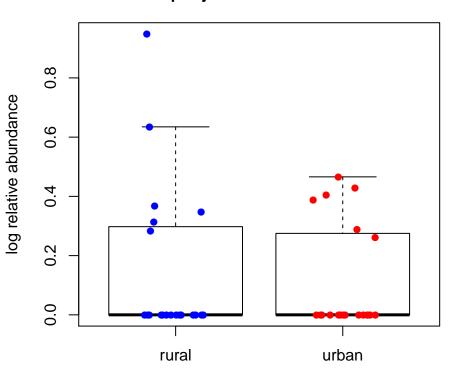
## WGS genus: Leuconostoc pAdjRuralUrban= 0.769



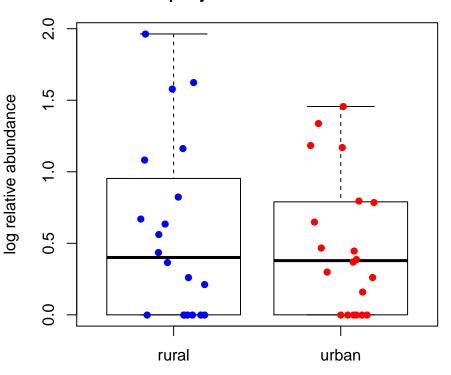
## WGS genus: Sulfurimonas pAdjRuralUrban= 0.769



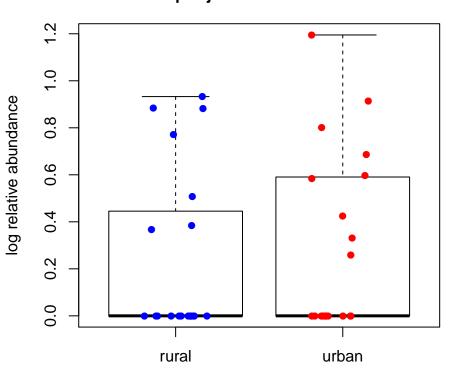
## WGS genus: Methanolobus pAdjRuralUrban= 0.769



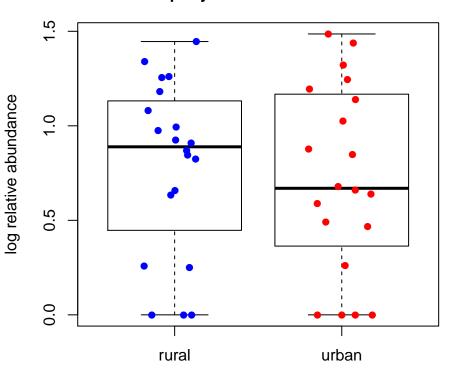
## WGS genus: Syntrophomonas pAdjRuralUrban= 0.769



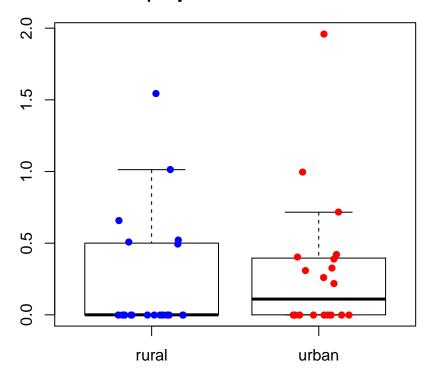
## WGS genus: Candidatus\_Symbiobacter pAdjRuralUrban= 0.77



## WGS genus: Parvibaculum pAdjRuralUrban= 0.777

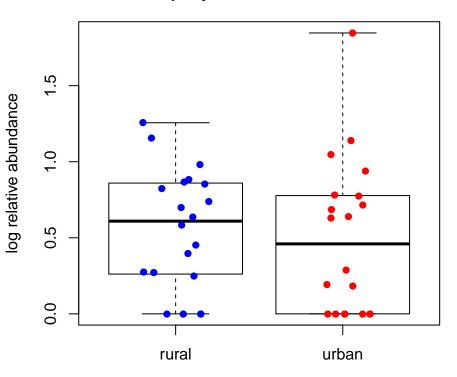


# WGS genus: P22likevirus pAdjRuralUrban= 0.779

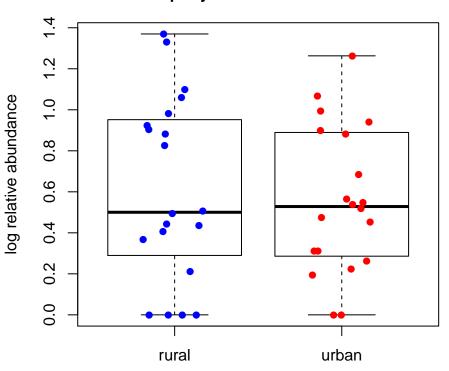


log relative abundance

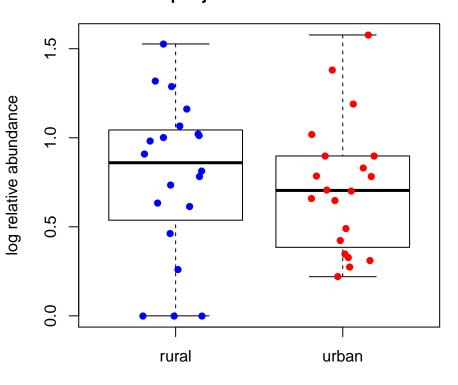
WGS genus: Simiduia pAdjRuralUrban= 0.781



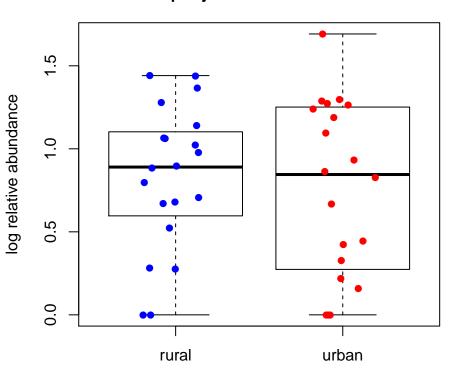
WGS genus: Advenella pAdjRuralUrban= 0.781



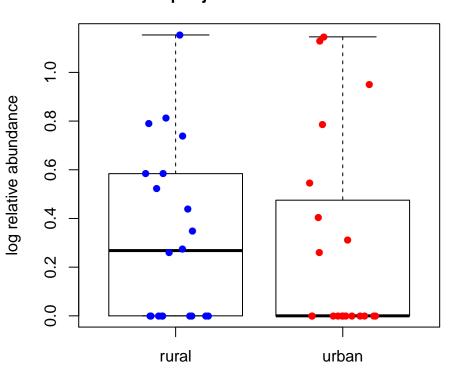
## WGS genus: Allochromatium pAdjRuralUrban= 0.786



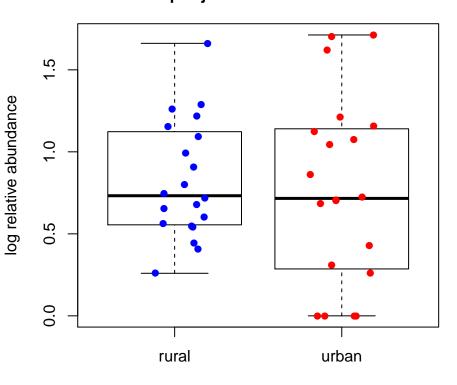
## WGS genus: Hyphomonas pAdjRuralUrban= 0.788



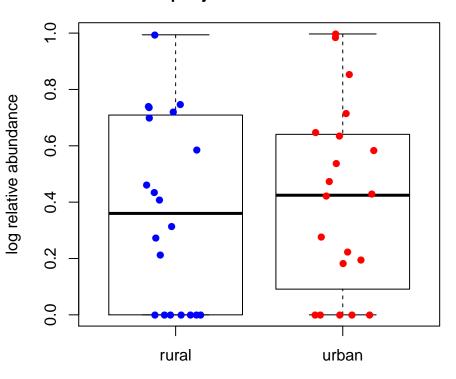
#### WGS genus: Candidatus\_Methanomethylophilus pAdjRuralUrban= 0.804



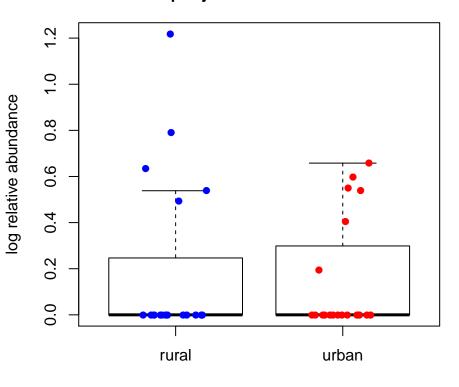
## WGS genus: Oceanithermus pAdjRuralUrban= 0.804



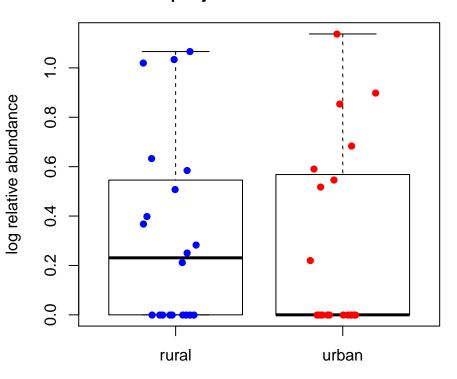
## WGS genus: Methylomicrobium pAdjRuralUrban= 0.807



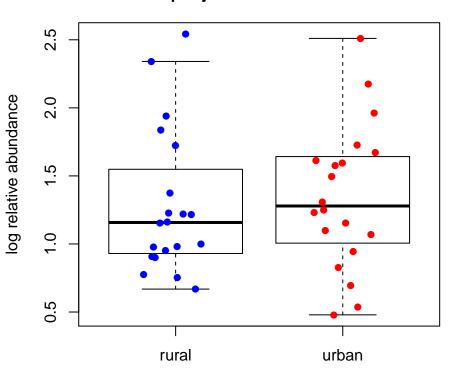
## WGS genus: Thermosynechococcus pAdjRuralUrban= 0.818



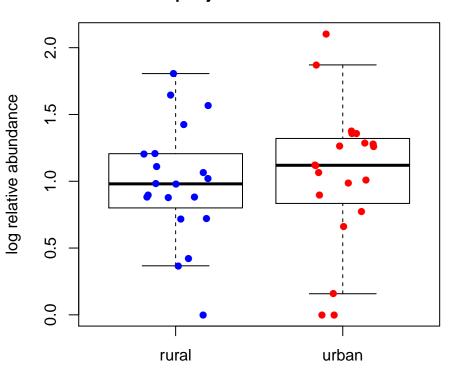
WGS genus: Flexibacter pAdjRuralUrban= 0.819



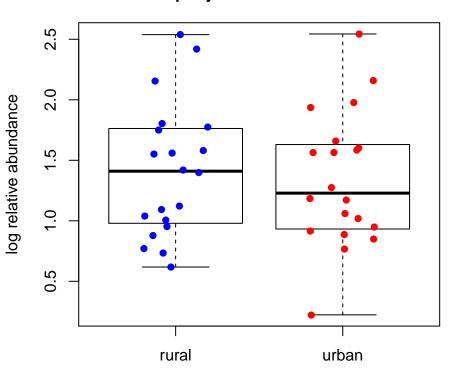
WGS genus: Pantoea pAdjRuralUrban= 0.819



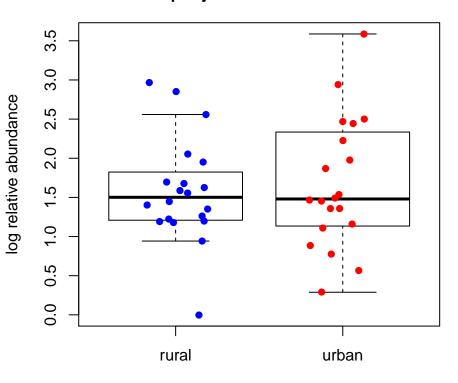
## WGS genus: Thiobacillus pAdjRuralUrban= 0.82



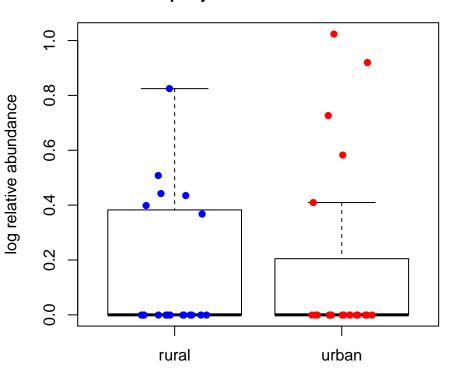
WGS genus: Erwinia pAdjRuralUrban= 0.82



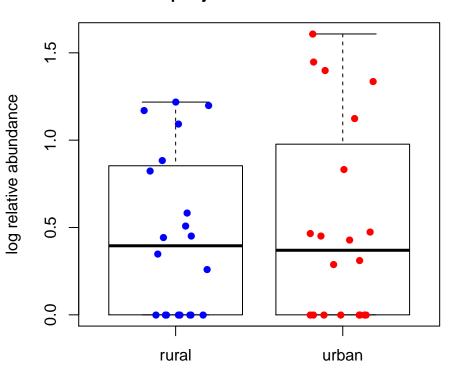
WGS genus: Citrobacter pAdjRuralUrban= 0.822



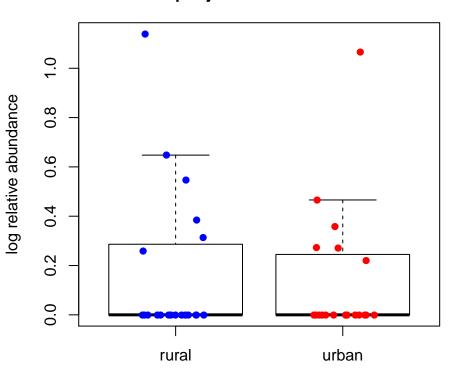
## WGS genus: Methanosalsum pAdjRuralUrban= 0.824



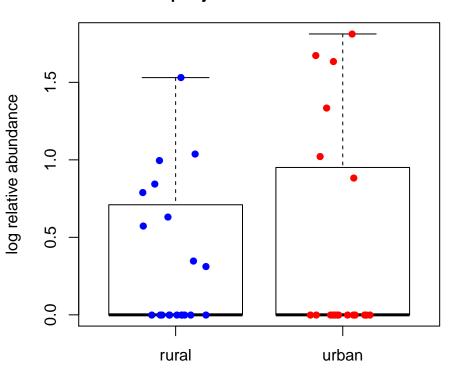
## WGS genus: Nitrosococcus pAdjRuralUrban= 0.825



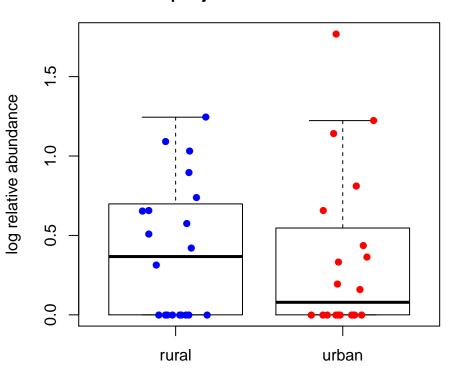
## WGS genus: Sulfobacillus pAdjRuralUrban= 0.83



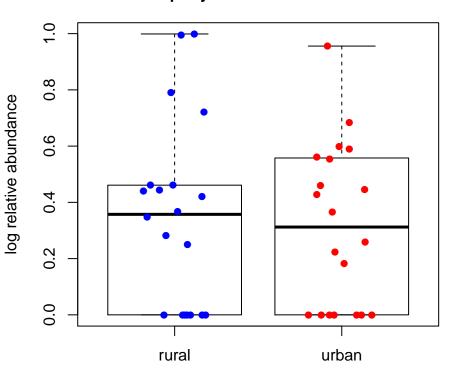
## WGS genus: Gloeocapsa pAdjRuralUrban= 0.831



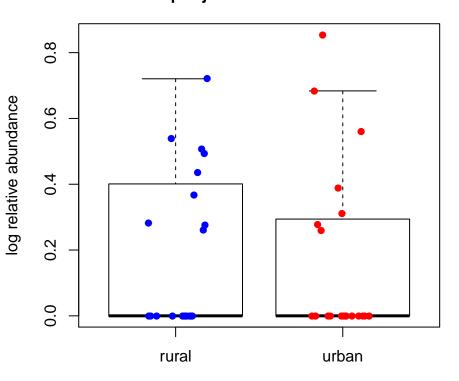
## WGS genus: Providencia pAdjRuralUrban= 0.831



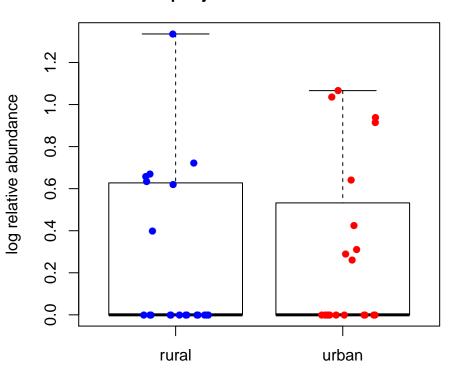
## WGS genus: Thermotoga pAdjRuralUrban= 0.833



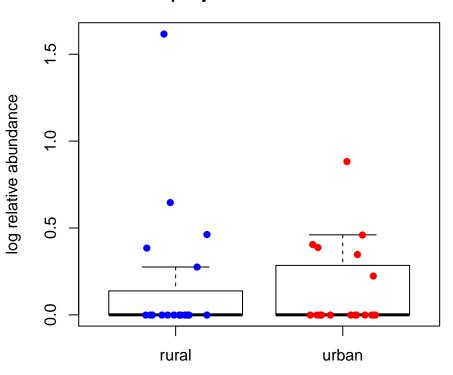
## WGS genus: Candidatus\_Pelagibacter pAdjRuralUrban= 0.833



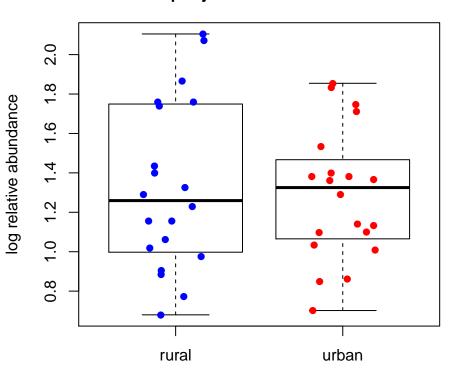
WGS genus: Kangiella pAdjRuralUrban= 0.833



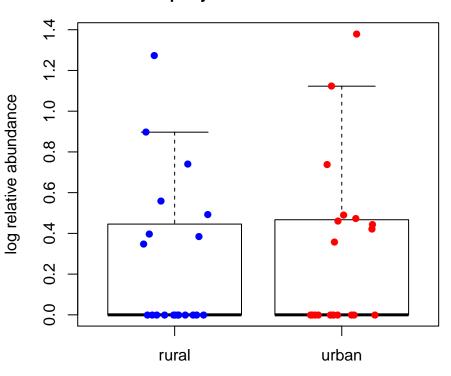
## WGS genus: Natronomonas pAdjRuralUrban= 0.837



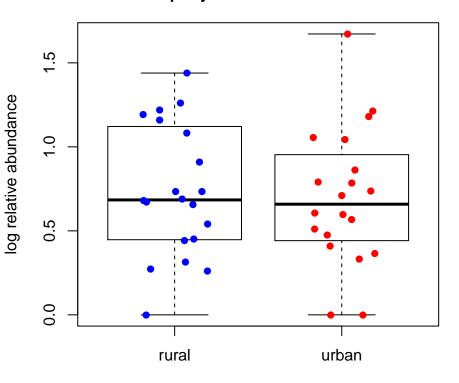
WGS genus: Finegoldia pAdjRuralUrban= 0.838



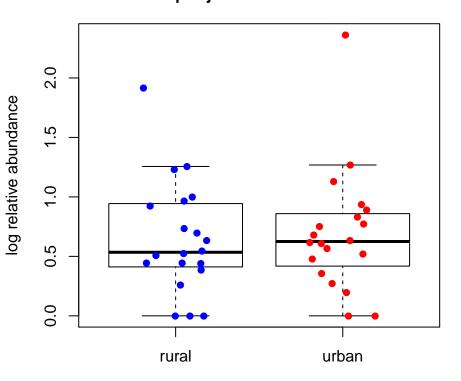
## WGS genus: Halalkalicoccus pAdjRuralUrban= 0.843



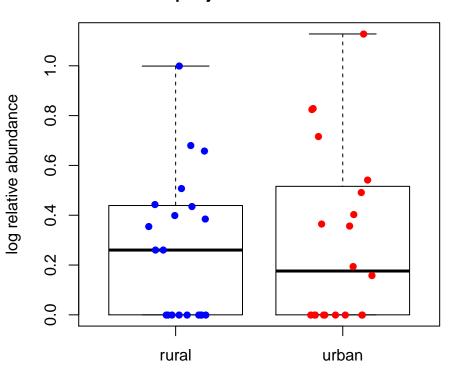
## WGS genus: Candidatus\_Methylomirabilis pAdjRuralUrban= 0.849



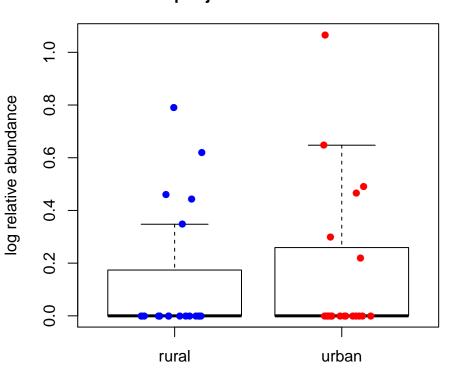
## WGS genus: Amphibacillus pAdjRuralUrban= 0.85



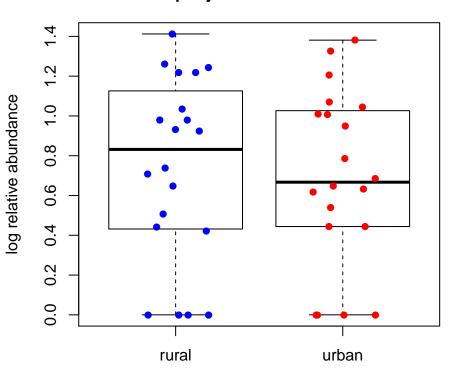
## WGS genus: Chloroflexus pAdjRuralUrban= 0.85



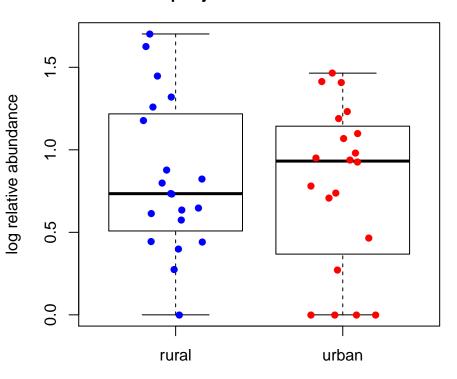
# WGS genus: Thalassolituus pAdjRuralUrban= 0.85



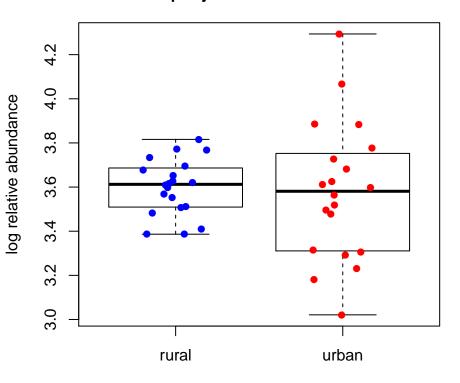
## WGS genus: Cellulophaga pAdjRuralUrban= 0.85



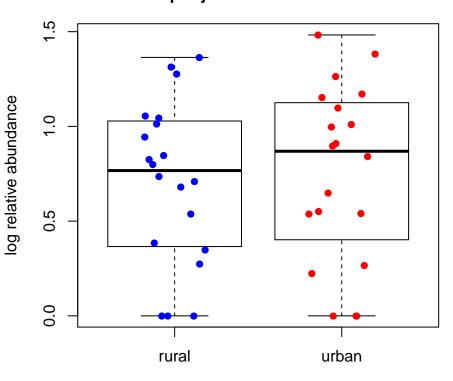
## WGS genus: Robiginitalea pAdjRuralUrban= 0.854



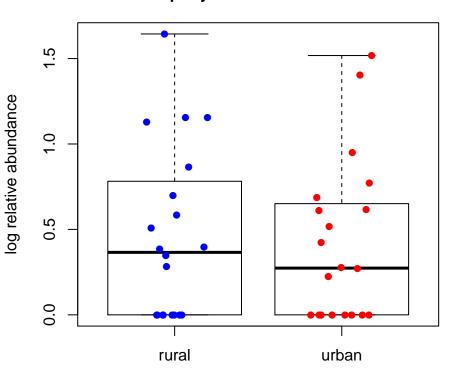
## WGS genus: Lachnoclostridium pAdjRuralUrban= 0.855



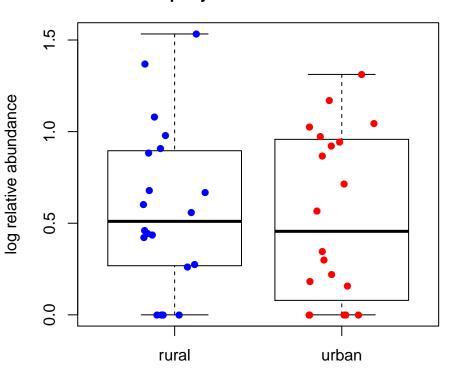
## WGS genus: Desulfurobacterium pAdjRuralUrban= 0.856



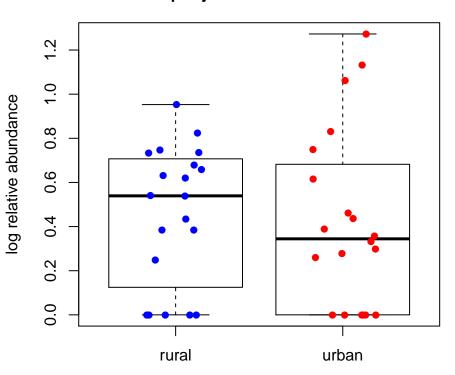
WGS genus: Maribacter pAdjRuralUrban= 0.858



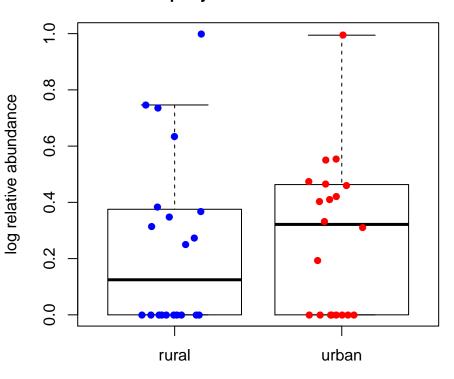
### WGS genus: Xanthobacter pAdjRuralUrban= 0.859



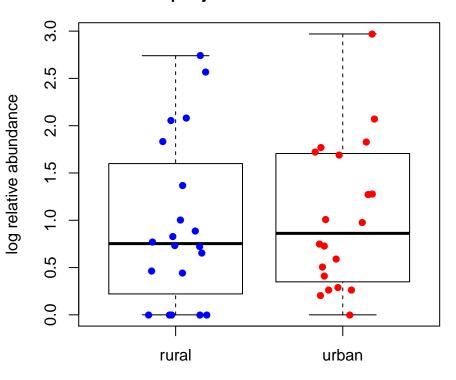
WGS genus: Buchnera pAdjRuralUrban= 0.859



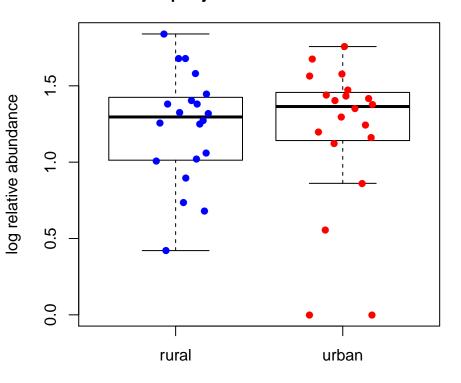
### WGS genus: Geodermatophilus pAdjRuralUrban= 0.859



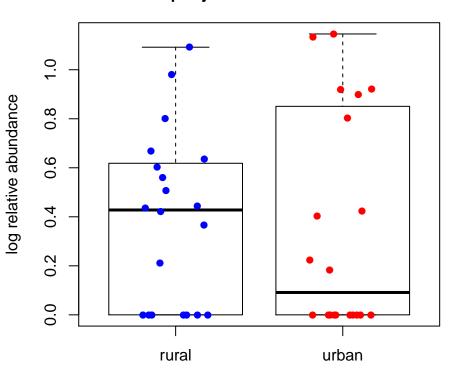
### WGS genus: Lambdalikevirus pAdjRuralUrban= 0.861



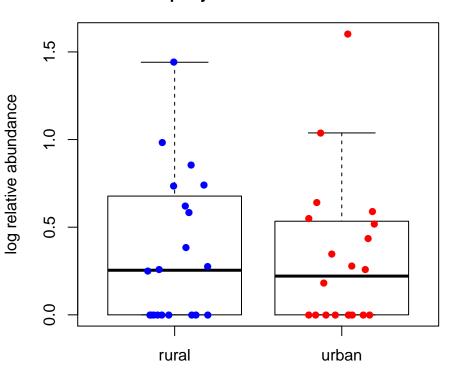
### WGS genus: Pusillimonas pAdjRuralUrban= 0.865



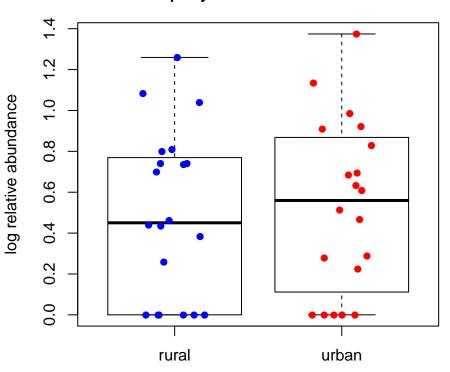
### WGS genus: Methylomonas pAdjRuralUrban= 0.867



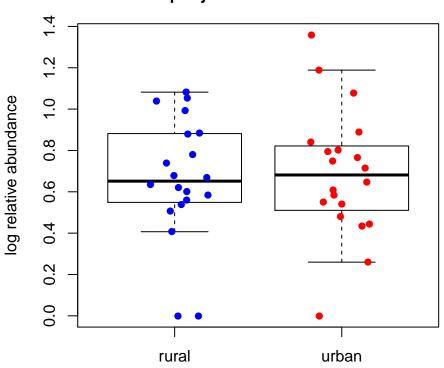
### WGS genus: Aequorivita pAdjRuralUrban= 0.872



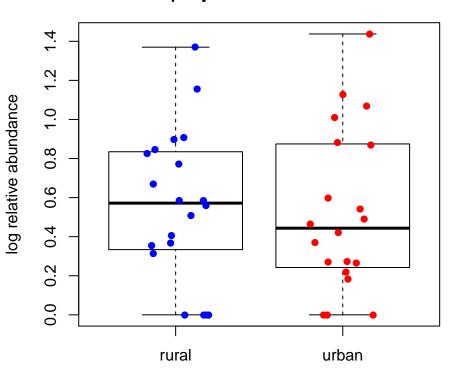
# WGS genus: Teredinibacter pAdjRuralUrban= 0.875



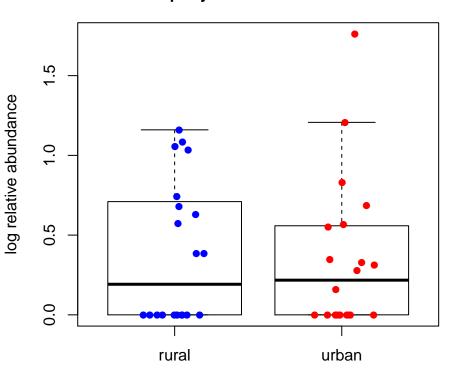
WGS genus: Anabaena pAdjRuralUrban= 0.875



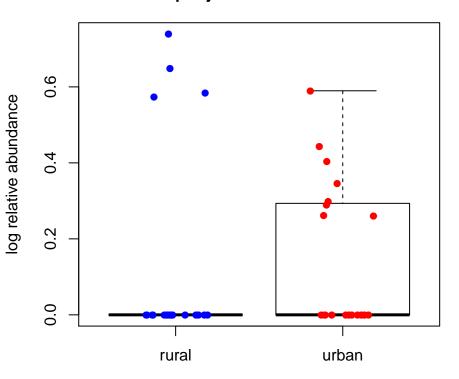
WGS genus: Starkeya pAdjRuralUrban= 0.875



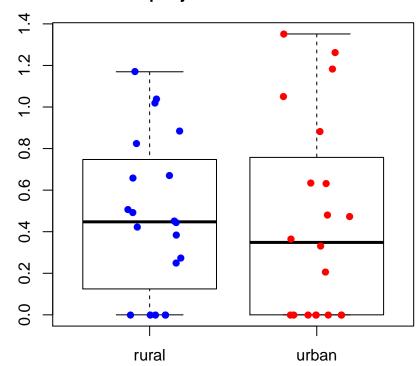
### WGS genus: Beutenbergia pAdjRuralUrban= 0.879



### WGS genus: Candidatus\_Profftella pAdjRuralUrban= 0.88

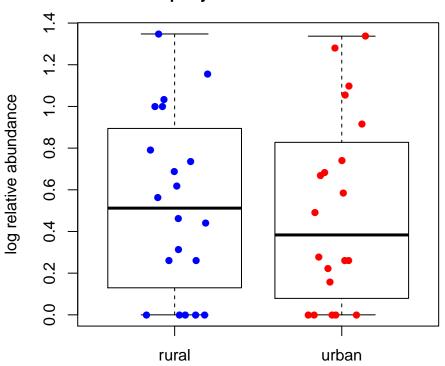


### WGS genus: Segniliparus pAdjRuralUrban= 0.88

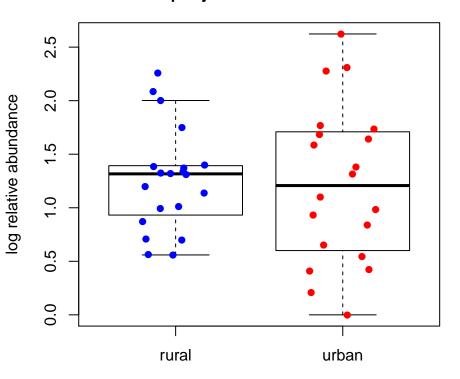


log relative abundance

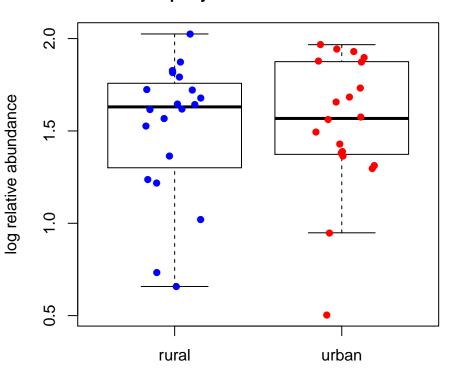
### WGS genus: Desulfobacca pAdjRuralUrban= 0.885



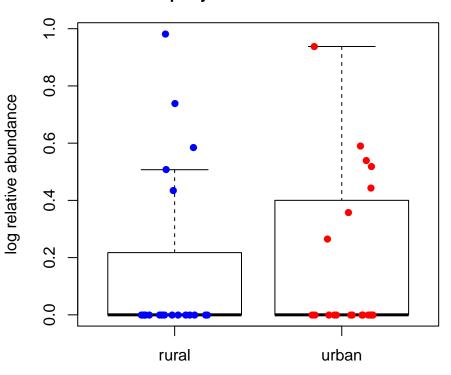
### WGS genus: Edwardsiella pAdjRuralUrban= 0.889



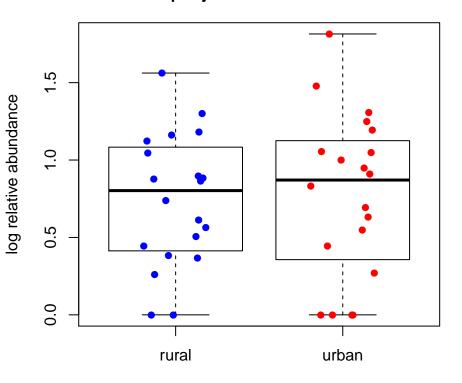
### WGS genus: Haliscomenobacter pAdjRuralUrban= 0.889



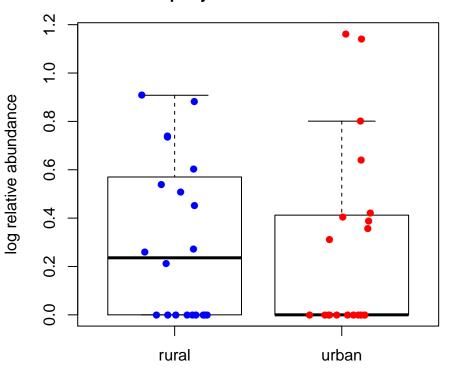
WGS genus: Deferribacter pAdjRuralUrban= 0.889



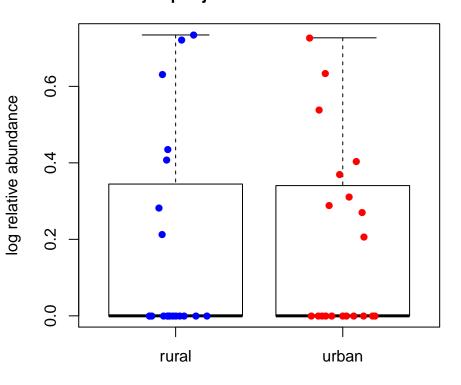
### WGS genus: Micromonospora pAdjRuralUrban= 0.889



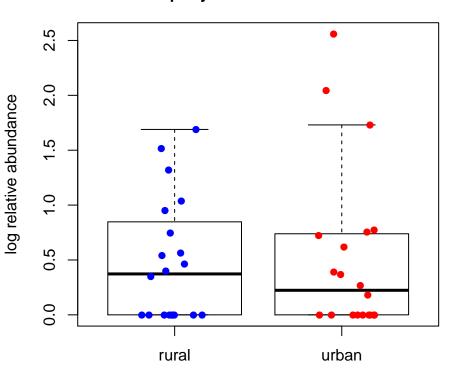
WGS genus: Kribbella pAdjRuralUrban= 0.889



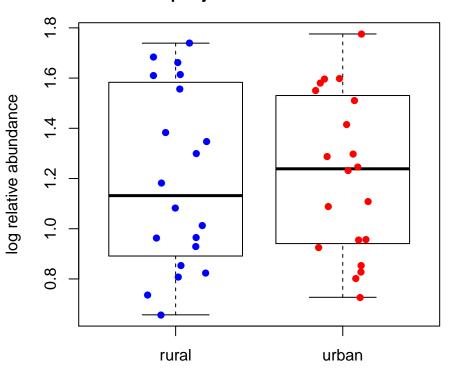
### WGS genus: Thermodesulfovibrio pAdjRuralUrban= 0.896



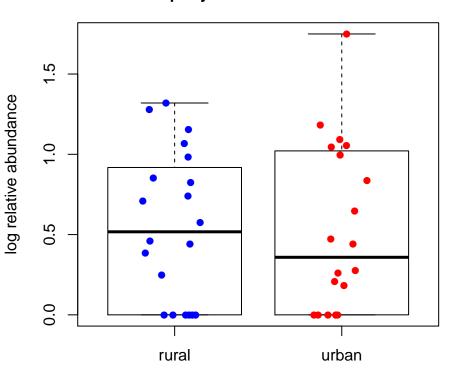
WGS genus: P2likevirus pAdjRuralUrban= 0.896



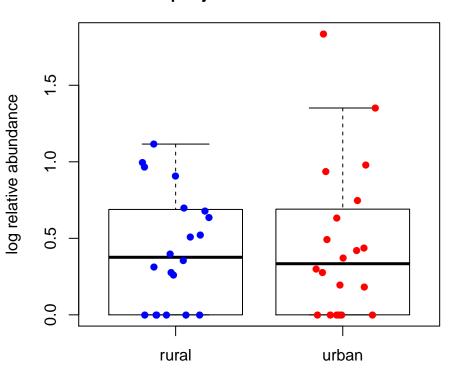
### WGS genus: Actinobacillus pAdjRuralUrban= 0.896



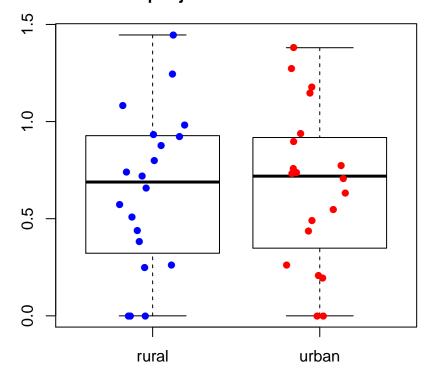
### WGS genus: Halorhodospira pAdjRuralUrban= 0.902



### WGS genus: Aerococcus pAdjRuralUrban= 0.902

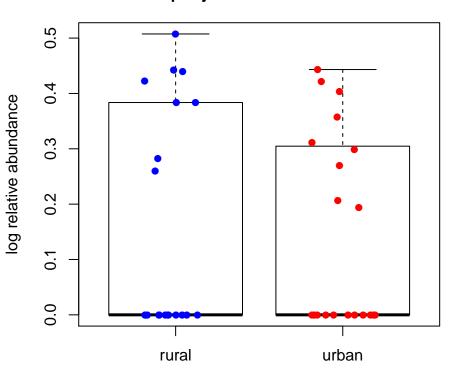


### WGS genus: Candidatus\_Saccharimonas pAdjRuralUrban= 0.905

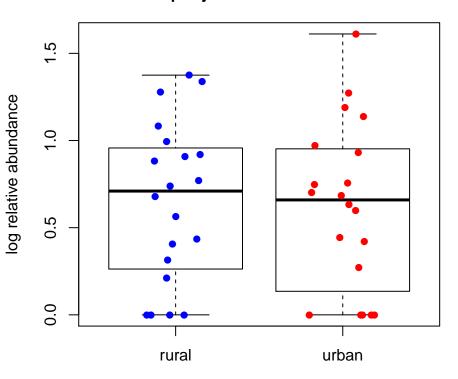


log relative abundance

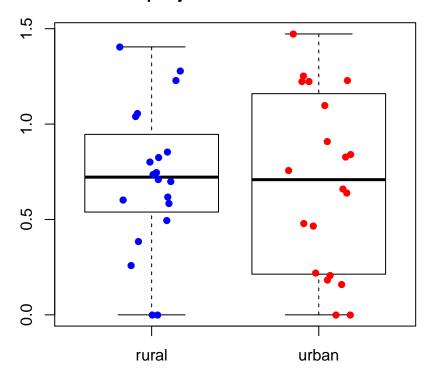
### WGS genus: Chroococcidiopsis pAdjRuralUrban= 0.905



### WGS genus: Rhodanobacter pAdjRuralUrban= 0.905

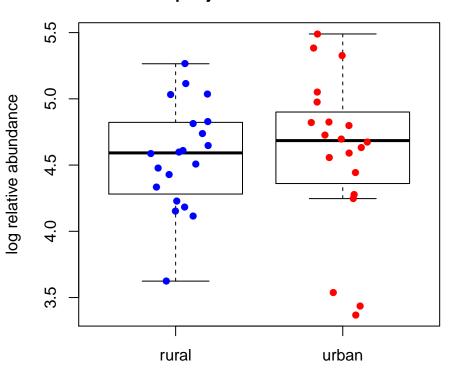


### WGS genus: Syntrophobacter pAdjRuralUrban= 0.905

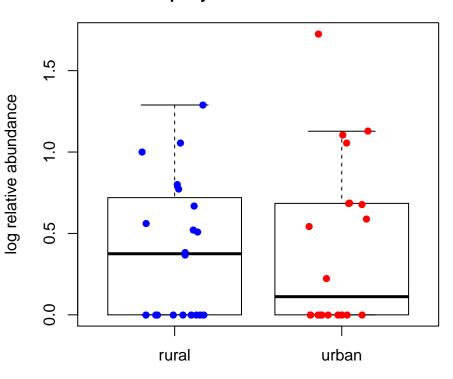


log relative abundance

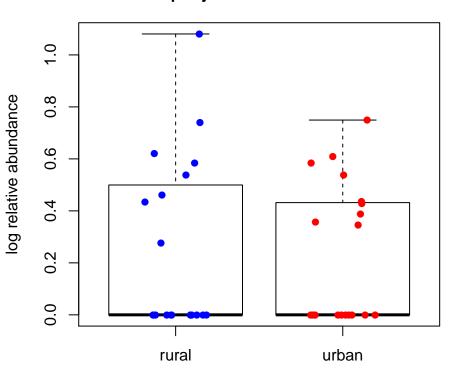
# WGS genus: Parabacteroides pAdjRuralUrban= 0.91



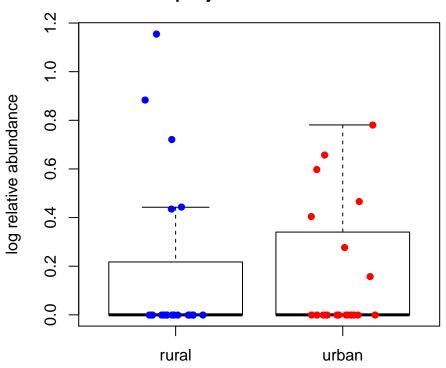
### WGS genus: Desulfohalobium pAdjRuralUrban= 0.912



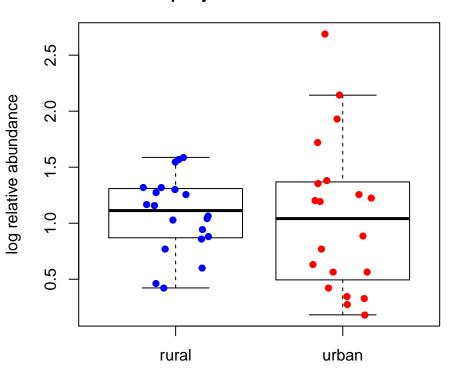
### WGS genus: Thermodesulfobium pAdjRuralUrban= 0.916



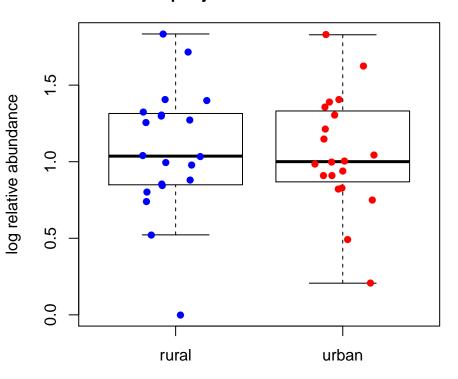
WGS genus: Aquifex pAdjRuralUrban= 0.92



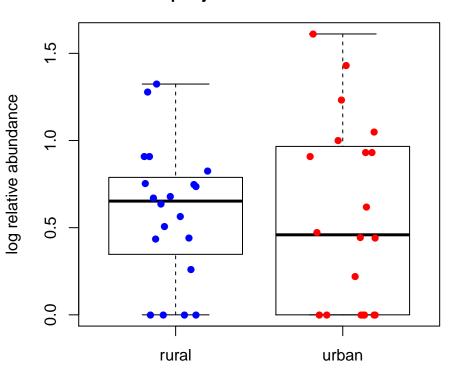
### WGS genus: Clavibacter pAdjRuralUrban= 0.921



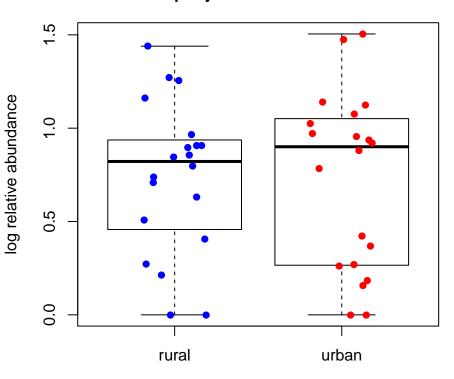
WGS genus: Mahella pAdjRuralUrban= 0.929



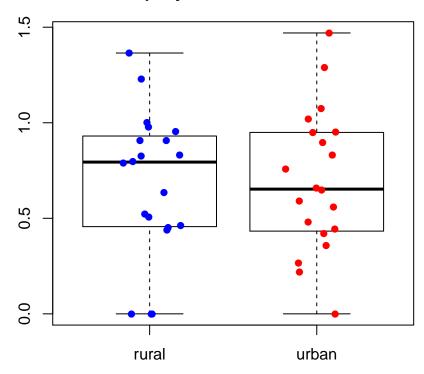
### WGS genus: Sphingopyxis pAdjRuralUrban= 0.935



# WGS genus: Pseudogulbenkiania pAdjRuralUrban= 0.94

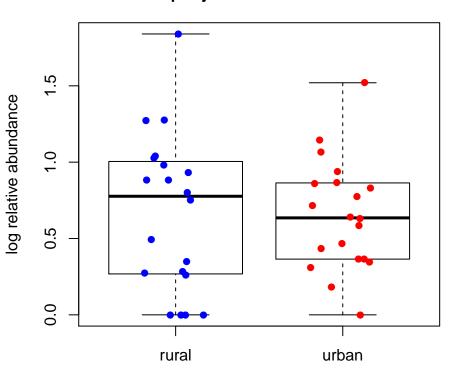


WGS genus: Wolbachia pAdjRuralUrban= 0.941

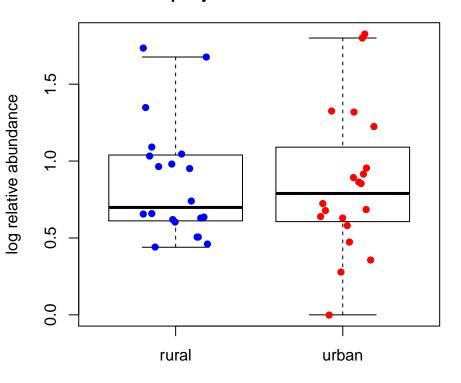


log relative abundance

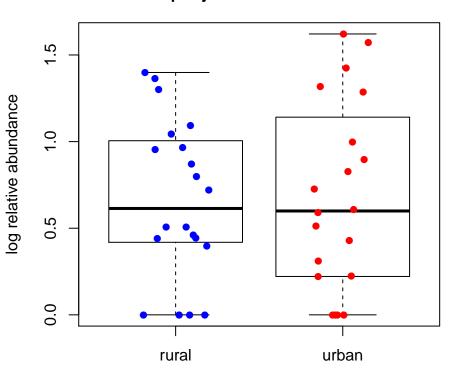
## WGS genus: Gluconobacter pAdjRuralUrban= 0.944



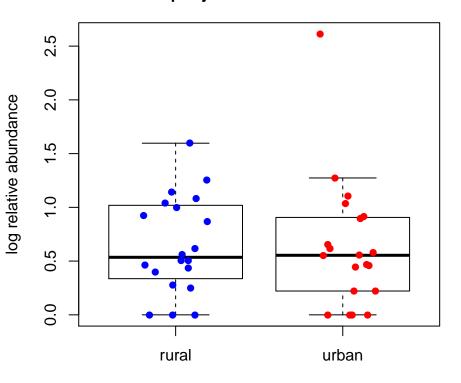
## WGS genus: Sphingobacterium pAdjRuralUrban= 0.951



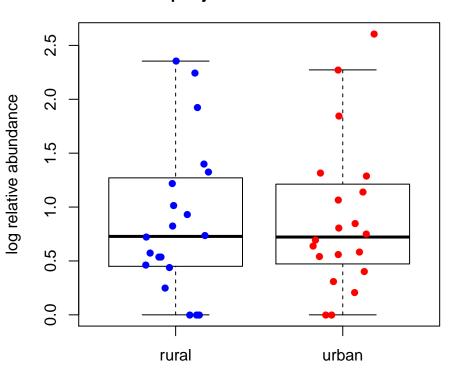
## WGS genus: Psychroflexus pAdjRuralUrban= 0.953



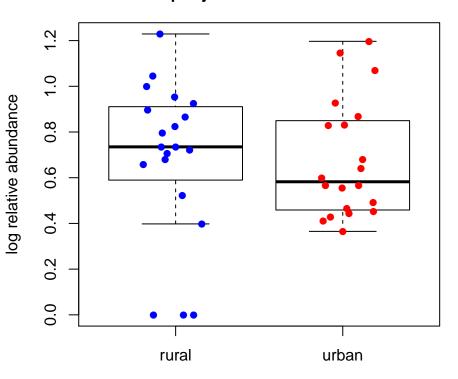
## WGS genus: Gardnerella pAdjRuralUrban= 0.954



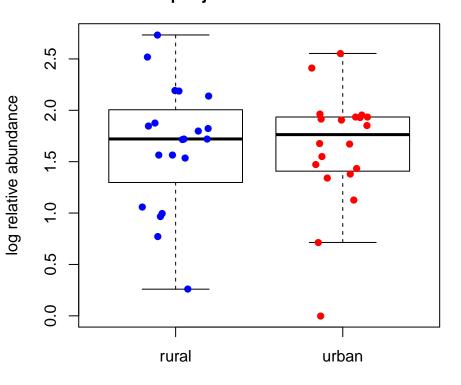
# WGS genus: Shimwellia pAdjRuralUrban= 0.954



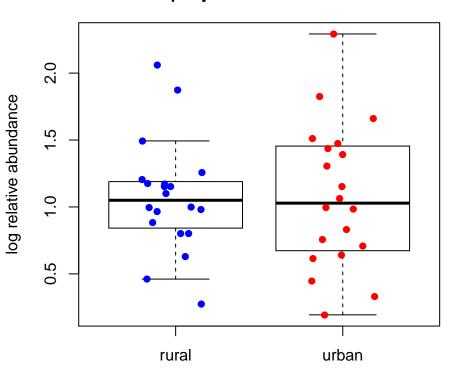
## WGS genus: Dictyoglomus pAdjRuralUrban= 0.956



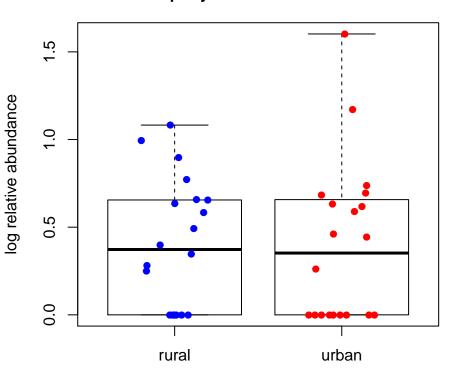
## WGS genus: Leadbetterella pAdjRuralUrban= 0.965



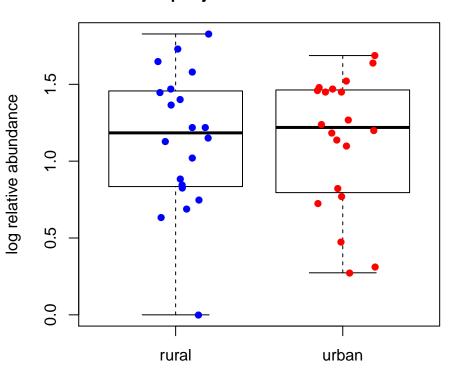
# WGS genus: Leptotrichia pAdjRuralUrban= 0.969



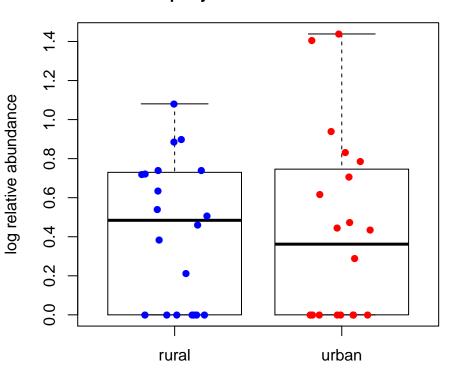
WGS genus: Haloferax pAdjRuralUrban= 0.969



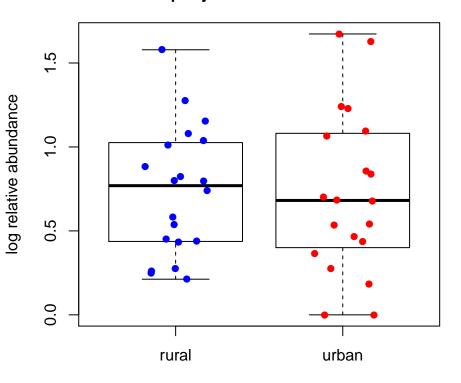
# WGS genus: Chlorobaculum pAdjRuralUrban= 0.969



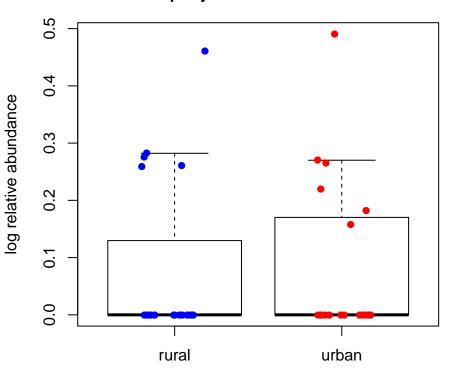
## WGS genus: Pseudonocardia pAdjRuralUrban= 0.969



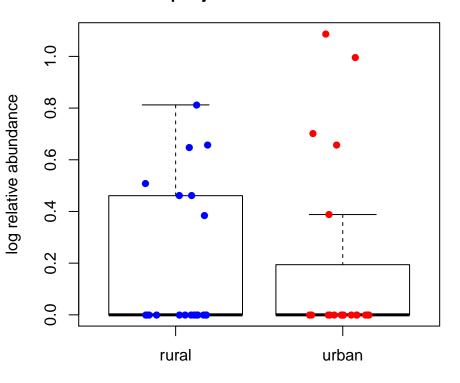
## WGS genus: Nocardioides pAdjRuralUrban= 0.969



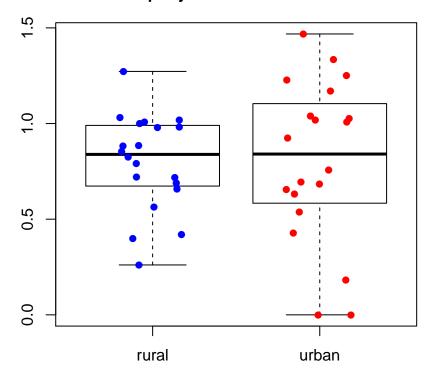
## WGS genus: Candidatus\_Ruthia pAdjRuralUrban= 0.969



## WGS genus: Candidatus\_Zinderia pAdjRuralUrban= 0.971

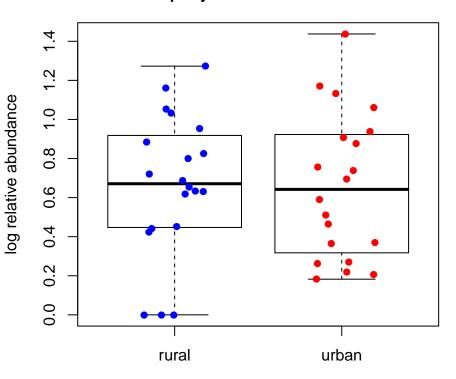


## WGS genus: Helicobacter pAdjRuralUrban= 0.975

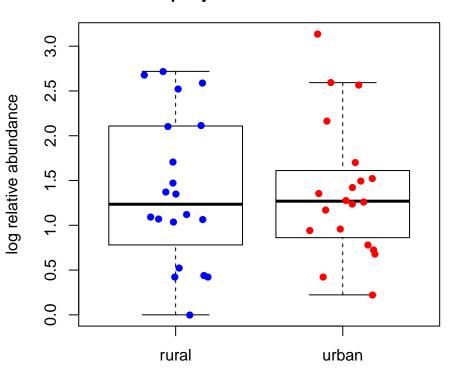


log relative abundance

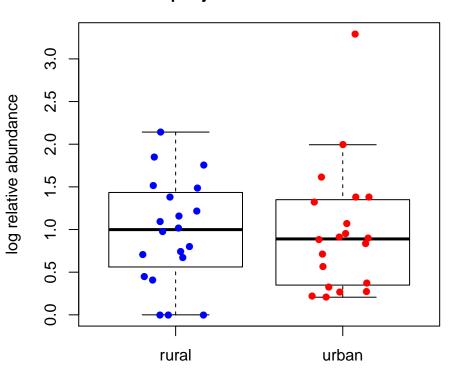
# WGS genus: Rubrobacter pAdjRuralUrban= 0.975



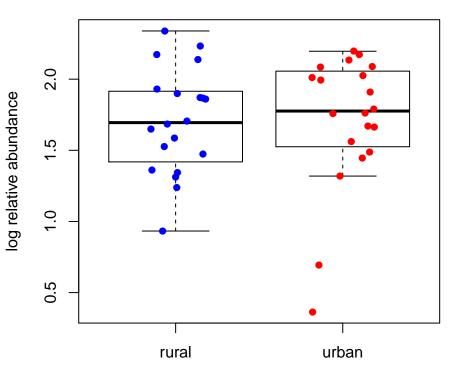
WGS genus: Raoultella pAdjRuralUrban= 0.975



## WGS genus: Sodalis pAdjRuralUrban= 0.984



## WGS genus: Candidatus\_Azobacteroides pAdjRuralUrban= 0.999



WGS genus: Dickeya pAdjRuralUrban= 1

