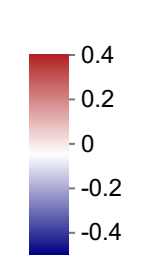
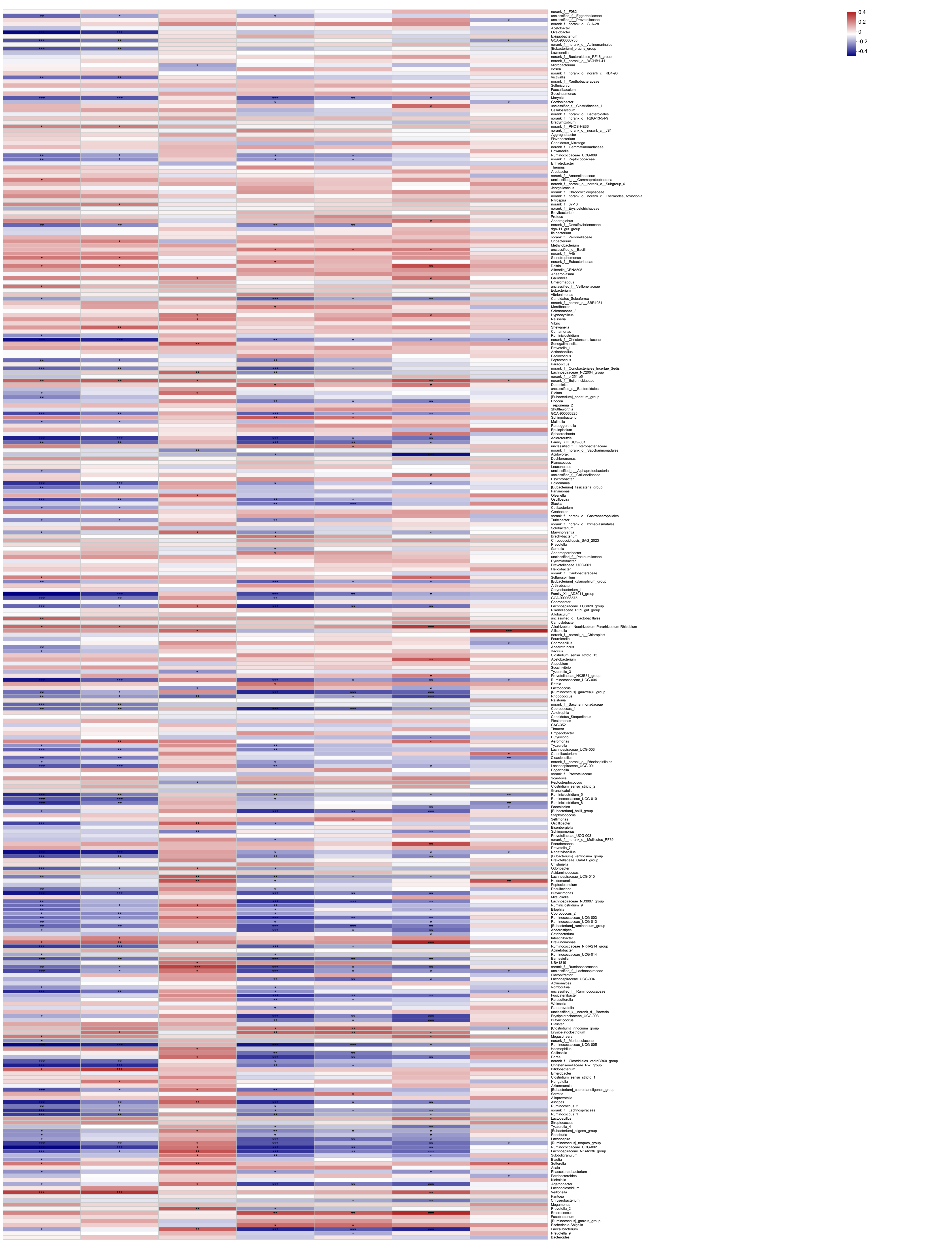


Spearman Correlation Heatmap



Putrescine
N_Acetylputrescine
Spermidine
Phenylethylamine
Indolylpyrroline
L_Tryptophan
Cadaverine

norank_f_F02
undclassified_f_Eggerthellaceae
undclassified_f_Prevotellaceae
norank_f_norank_o_SJA20
Akkobacter
Oribacter
Eggo bacterium
GCA1000755
norank_f_norank_o_Actinomatales
[Eubacterium]_linciv_group
Lawsonella
norank_f_Bacteroides_RF16_group
norank_f_norank_o_WCH81-41
Mirobacterium
Bossea
norank_f_norank_o_norank_c_KD4-96
Viduaella
norank_f_Xanthobacteraceae
Sulfuricum
Faecalibacterium
Succinatimonas
Moryella
Oribacterium
undclassified_f_Clostridiales_1
Cellulolyticum
norank_f_norank_o_Bacteroidales
norank_f_norank_o_RBG-13-54-9
Brachymicrobium
norank_f_PHOS-E36
norank_f_norank_o_norank_c_JS1
Aggregatibacter
Flavobacterium
Candidatus_Nitrospira
norank_f_Gemmatimonadaceae
Howardella
Ruminococcaceae_UCG-009
norank_f_Peptococcaceae
Erythrobacter
Thermus
Akkobacter
norank_f_Anarcthiaceae
undclassified_c_Gemmatimonadota
norank_f_norank_o_norank_c_Subgroup_6
Jodgallifoccus
norank_f_Chroococcidopsaceae
norank_f_norank_o_norank_c_Thermodesulfobionta
Nitrospira
norank_f_37-13
norank_f_Erythrobacteraceae
Brevibacterium
Proteus
Anaeroglobus
norank_f_Desulfobiontaceae
sga-11_group
Ileobacterium
norank_f_Valloniellaceae
Oribacterium
Methylobacterium
undclassified_c_Bacti
norank_f_A42
Stenotrophomonas
norank_f_Eubacteriaceae
Dafnia
Alteibacter_CENA565
Anaeroplasm
Gallionella
Enterorhabdus
undclassified_f_Valloniellaceae
Eubacterium
Moryobacterium
Candidatus_Selolisma
norank_f_norank_o_SBR1031
Mirobacterium
Selenomonas_3
Hydrocyclopus
Neseria
Vibrio
Shewanella
Cultivans
Ruminococcoidium
norank_f_Christensenellaceae
Senegalimassilia
Pirella_1
Akkobacterium
Pepidococcus
Pepidococcus
Pepidococcus
norank_f_Corinbacteriales_Incrae_Sedis
Lachnospiraceae_NC209_group
norank_f_p-25-1-05
norank_f_Dermococcaceae
Dubosella
undclassified_c_Bacteroidales
Dialma
[Eubacterium]_rodatum_group
Phocaea
Tropaea_2
Shulzevorkia
GCA1000225
Springbacterium
Methylobacterium
Parasagittella
Erythrobacterium
Sphaerobacter
Adlerella
Family_XII_UCG-001
undclassified_f_Enterobacteriaceae
norank_f_norank_o_Saccharimonadates
Andriana
Dechloromonas
Planctomyces
Leuconostoc
undclassified_c_Alphaproteobacteria
undclassified_f_Gallionellaceae
Pyrrodicticum
Holdeibacter
[Eubacterium]_festuana_group
Pantomonas
Oribella
Oribella
Cultivans
Gedonea
norank_f_norank_o_Gastranaerophilales
Turbidibacter
norank_f_norank_o_Limniasmatates
Marvinbryantia
Brachydictyon
Chroococcidopsis_SAG_2023
Pirella
Gemella
Anaerobacterium
undclassified_f_Pasteurellaceae
Pyrrodicticum
Pyrrodicticum_UCG-001
Helicobacter
norank_f_Caulobacteraceae
Sulfuricum
[Eubacterium]_xylophilum_group
Akkobacterium
Family_XII_A03011_group
GCA10006075
Coprothermobacter
Lachnospiraceae_FCS20_group
Rheinococcus_R01_group
Alkalicoccus
undclassified_c_Lactobacillales
Carnyobacter
Alkalicoccus_Neohizobium-Parahizobium-Rhizobium
Alkalicoccus
norank_f_norank_o_Chloroplast
Fournierella
Coprothermobacter
Andriana
Bacterium_sensu_stricto_13
Akkobacterium
Alkalicoccus
Succinatimonas
Tyzzerella_3
Pirellaceae_NC381_group
Ruminococcaceae_UCG-004
Rheila
Lactococcus
[Ruminococcus]_gammavul_group
Rhodococcus
Rheila
norank_f_Saccharimonadaceae
Coprothermobacter
Alkalicoccus
Candidatus_Steinhalmschulzei
Pantomonas
CAG-303
Thaera
Empedobacter
Butyrivibrio
Akkobacterium
Tyzzerella
Lachnospiraceae_UCG-003
Cultivans
Chroococcidopsis
norank_f_norank_o_Rhodospirillales
Lachnospiraceae_UCG-001
Eggerthella
norank_f_Prevotellaceae
Succinatimonas
Pepidococcus
Candidatus_Selolisma
norank_f_norank_o_norank_c_KD4-96
Gedonea
Lachnospiraceae_UCG-010
Helicobacterium
Desulfobrio
Butyrivibrio
Moryobacterium
Lachnospiraceae_ND3007_group
Ruminococcoidium_3
Brevibacterium
Coprothermobacter_2
Ruminococcaceae_UCG-003
Ruminococcaceae_UCG-013
[Eubacterium]_rumicantium_group
Anaerostipes
Cultivans
Intestinibacter
Brevibacterium
Ruminococcaceae_NK4214_group
Akkobacterium
Ruminococcaceae_UCG-014
Brevibacterium
UBA1819
norank_f_Ruminococcaceae
undclassified_f_Lachnospiraceae
Favosibacterium
Lachnospiraceae_UCG-004
Actinomyces
Brevibacterium
undclassified_f_Ruminococcaceae
Favosibacterium
Pantomonas
Wessella
Pantomonas
undclassified_norank_d_Bacteria
Erythrobacteriaceae_UCG-003
Butyrivibrio
Dialma
[Clostridium]_innocuum_group
Erythrobacterium
Moryobacterium
norank_f_Moryobacteriaceae
Ruminococcaceae_UCG-005
Hemophilus
Coffinella
Donia
norank_f_Clostridiales_vdrB80_group
Oribacterium
Bifidobacterium
Erythrobacterium
Clostridium_sensu_stricto_1
Hemophilus
Akkobacterium
[Eubacterium]_coprostanigenes_group
Serratia
Alkalicoccus
Alkalicoccus_2
norank_f_Lachnospiraceae
Ruminococcus_1
Lactobacillus
Streptococcus
Tyzzerella_4
[Eubacterium]_silgens_group
Roseburia
Lachnospira
Ruminococcus_torqueus_group
Ruminococcaceae_UCG-002
Lachnospiraceae_NK4A136_group
Subdoligranulum
Blautia
Subdoligranulum
Akkobacterium
Pantomonas
Pantomonas
Pantomonas
Akkobacterium
Lachnospiraceae
Valloniella
Pantomonas
Chryseobacterium
Moryobacterium
Pirella_2
Erythrobacterium
Favosibacterium
[Ruminococcus]_gammavul_group
Escherichia-Shigella
Faecalibacterium
Pirella_9
Bacteroides