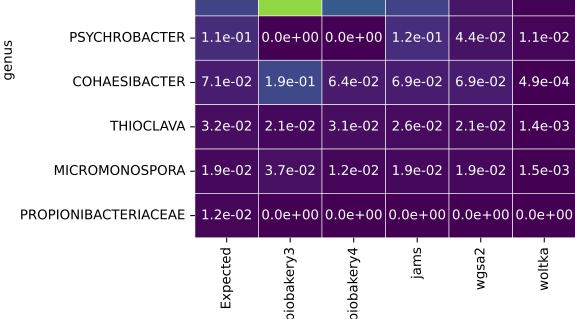
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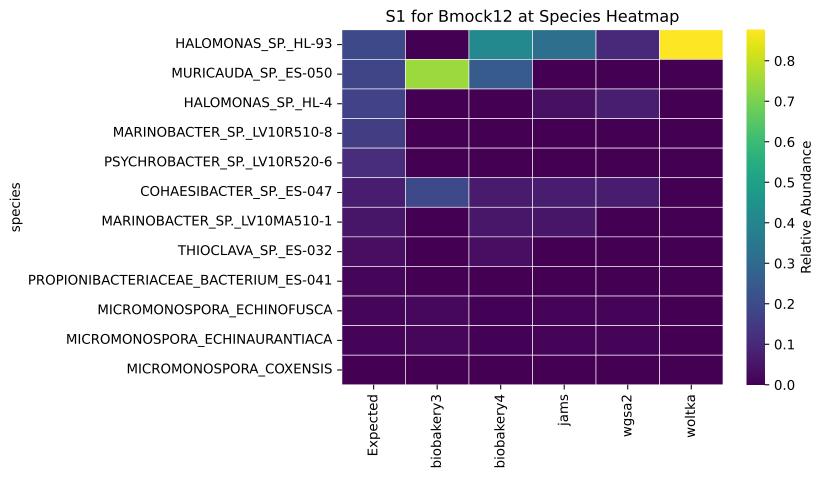
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- 0.2

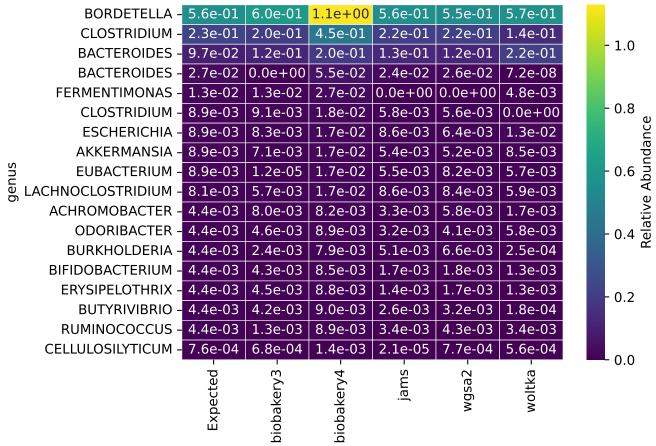
- 0.1

0.0





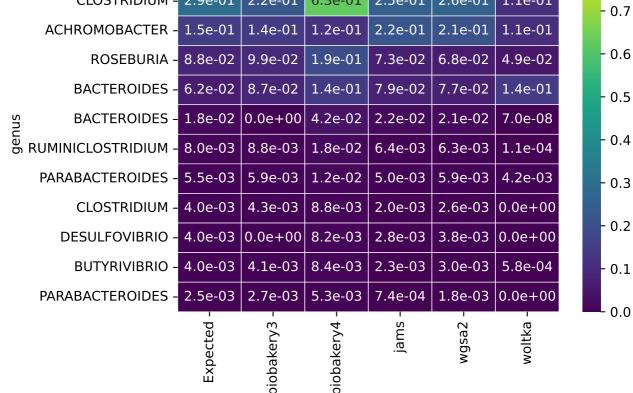
# S1 for Camisimgi at Genus Heatmap

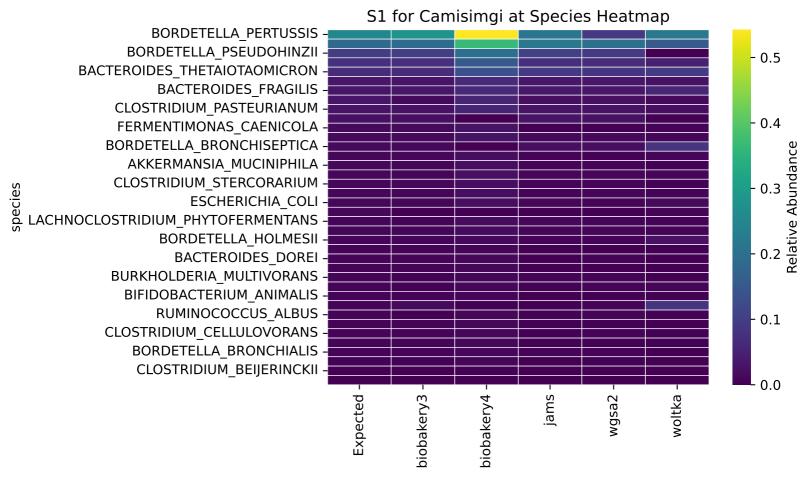


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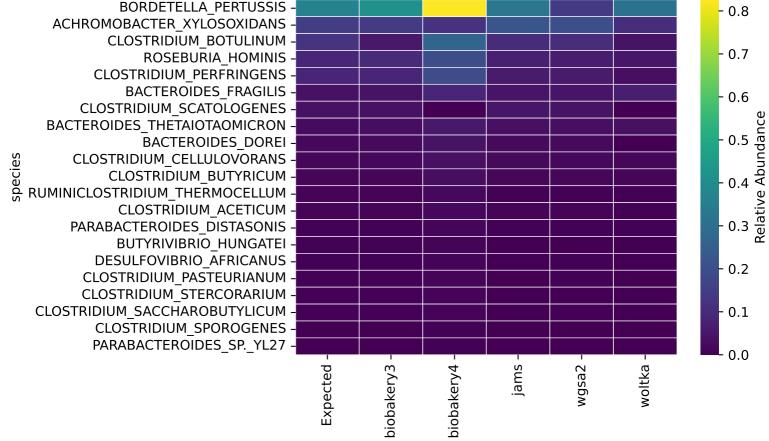
S2 for Camisimgi at Genus Heatmap

0.8

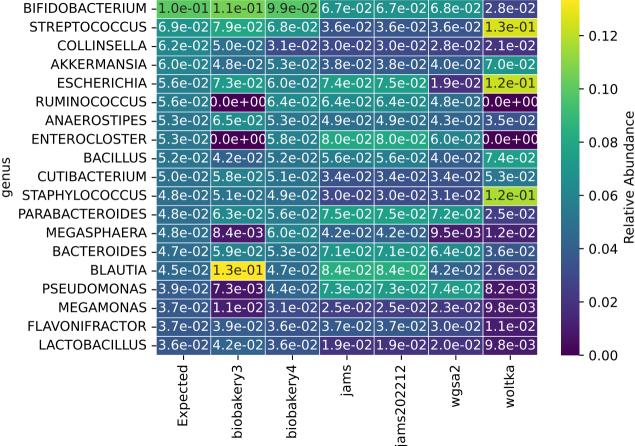




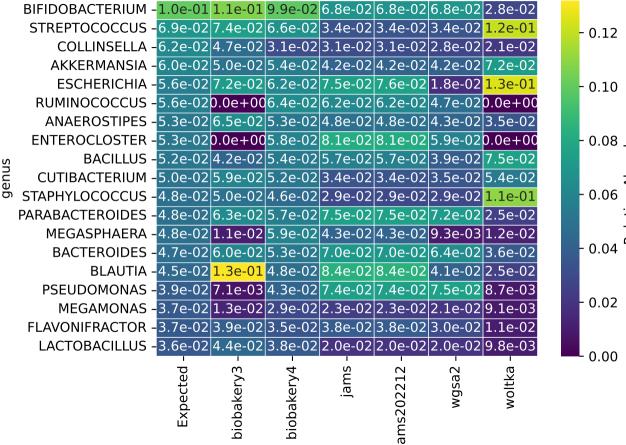
## S2 for Camisimgi at Species Heatmap



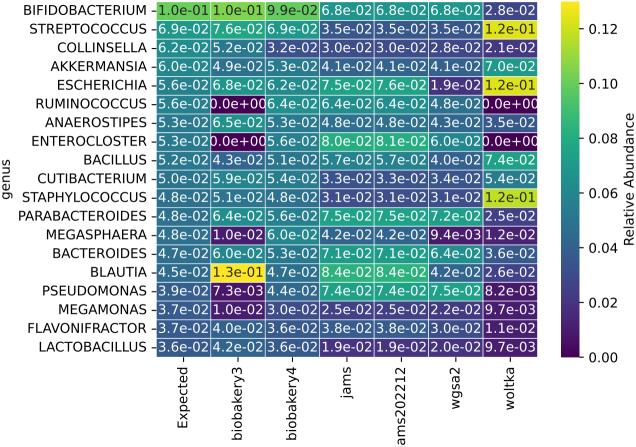
#### SRR17380241 for Tourlousse at Genus Heatmap



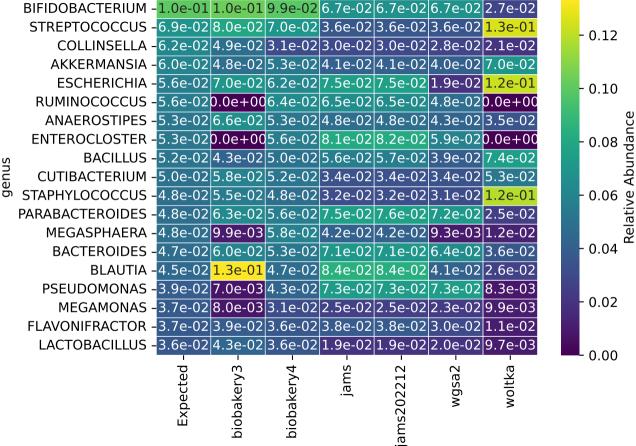
## SRR17380242 for Tourlousse at Genus Heatmap



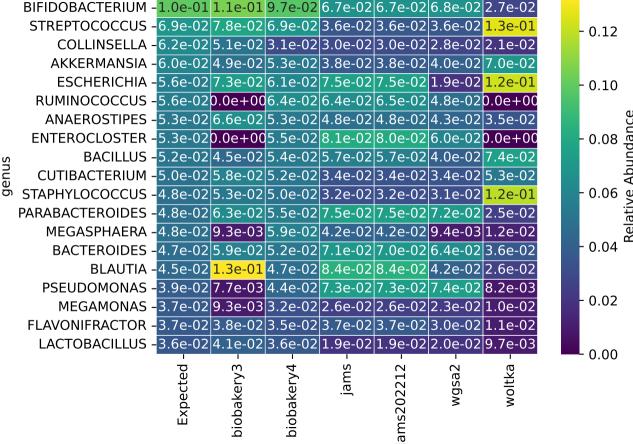
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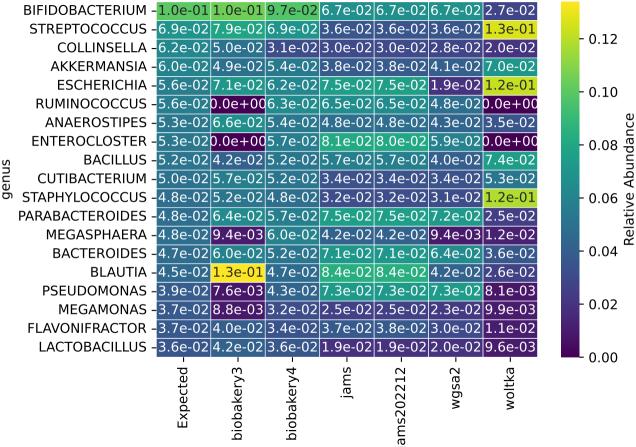
#### SRR17380244 for Tourlousse at Genus Heatmap



## SRR17380245 for Tourlousse at Genus Heatmap



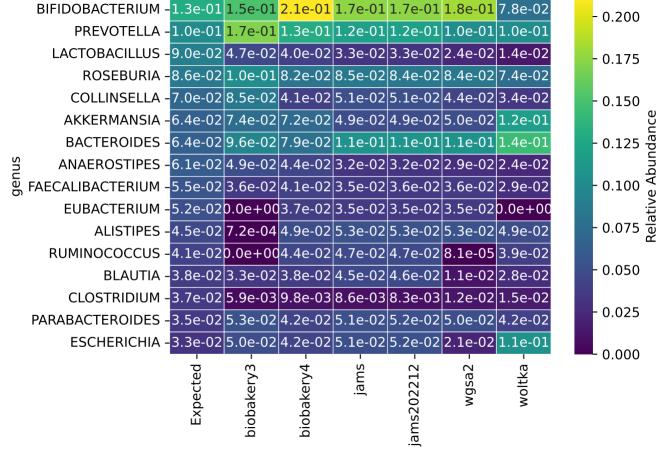
#### SRR17380246 for Tourlousse at Genus Heatmap



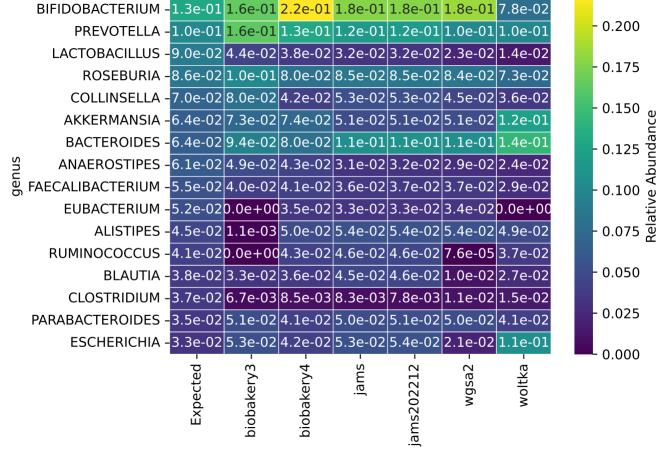
SRR17380242 for Tourlousse at Species Heatmap BACTEROIDES UNIFORMIS -0.12 BLAUTIA SP. NBRC-113351 -ENTEROCLOSTER CLOSTRIDIOFORMIS -PARABACTEROIDES DISTASONIS -- 0.10 **BACILLUS SUBTILIS -**STREPTOCOCCUS MUTANS -PSEUDOMONAS PUTIDA -- 0.08 LACTOBACILLUS DELBRUECKII species ESCHERICHIA COLI -FLAVONIFRACTOR PLAUTII -0.06 Pelative v STAPHYLOCOCCUS EPIDERMIDIS -**CUTIBACTERIUM ACNES -**BIFIDOBACTERIUM LONGUM -ANAEROSTIPES CACCAE -RUMINOCOCCUS GNAVUS -MEGASPHAERA MASSILIENSIS -- 0.02 MEGAMONAS FUNIFORMIS -COLLINSELLA AEROFACIENS -AKKERMANSIA MUCINIPHILA -0.00 jams wgsa2 woltka Expected biobakery3 biobakery4 jams202212

SRR17380246 for Tourlousse at Species Heatmap BACTEROIDES UNIFORMIS -0.12 BLAUTIA SP. NBRC-113351 -ENTEROCLOSTER CLOSTRIDIOFORMIS -PARABACTEROIDES DISTASONIS -- 0.10 **BACILLUS SUBTILIS -**STREPTOCOCCUS MUTANS -PSEUDOMONAS PUTIDA -- 0.08 LACTOBACILLUS DELBRUECKII species ESCHERICHIA COLI -FLAVONIFRACTOR PLAUTII -0.06 0.0 4 8 8 8 8 9 9 9 9 STAPHYLOCOCCUS EPIDERMIDIS -**CUTIBACTERIUM ACNES -**BIFIDOBACTERIUM LONGUM -ANAEROSTIPES CACCAE -RUMINOCOCCUS GNAVUS -MEGASPHAERA MASSILIENSIS -- 0.02 MEGAMONAS FUNIFORMIS -COLLINSELLA AEROFACIENS -AKKERMANSIA MUCINIPHILA -0.00 jams wgsa2 woltka Expected biobakery3 biobakery4 jams202212

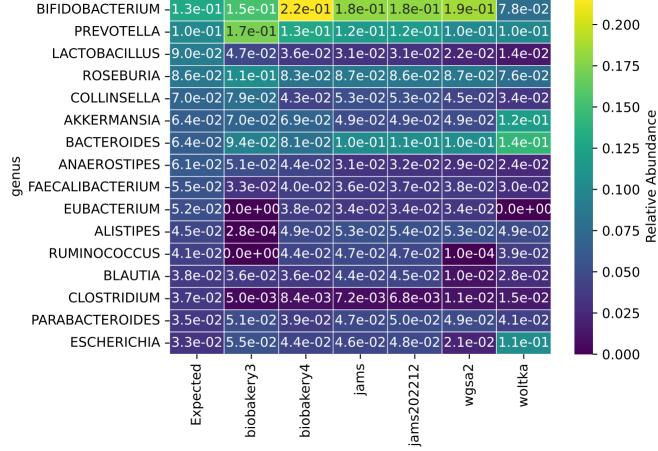
## SRR11487937 for Mixed at Genus Heatmap



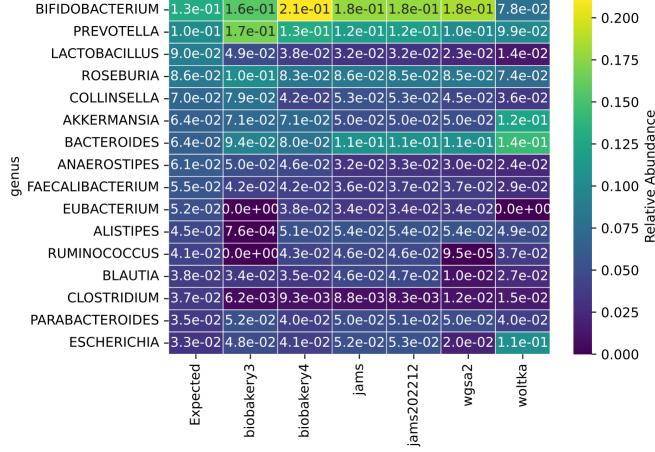
#### SRR11487938 for Mixed at Genus Heatmap



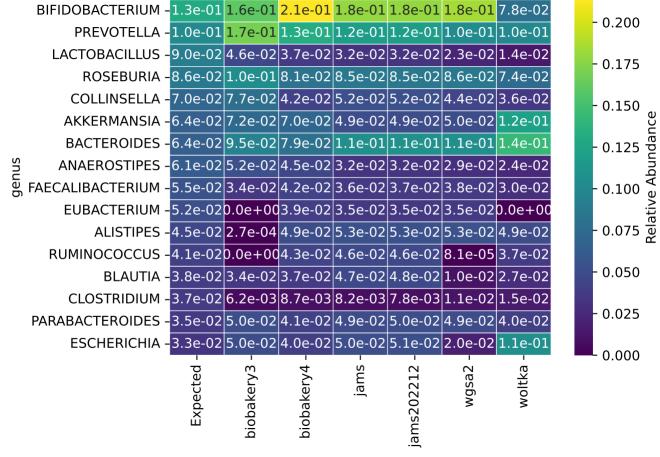
## SRR11487939 for Mixed at Genus Heatmap



#### SRR11487940 for Mixed at Genus Heatmap



#### SRR11487941 for Mixed at Genus Heatmap



SRR11487937 for Mixed at Species Heatmap AKKERMANSIA MUCINIPHILA -0.200 ALISTIPES FINEGOLDII -ANAEROSTIPES HADRUS -- 0.175 BACTEROIDES THETAIOTAOMICRON -**BACTEROIDES UNIFORMIS -**BIFIDOBACTERIUM LONGUM -- 0.150 BLAUTIA WEXLERAE -CLOSTRIDIUM BUTYRICUM -0.125 species COLLINSELLA AEROFACIENS -ESCHERICHIA COLI -- 0.100 EUBACTERIUM HALLII -FAECALIBACTERIUM PRAUSNITZII -0.075 LACTOBACILLUS GASSERI -PARABACTEROIDES DISTASONIS -PREVOTELLA COPRI -- 0.050 PREVOTELLA MELANINOGENICA -ROSEBURIA HOMINIS -- 0.025 ROSEBURIA\_INTESTINALIS -RUMINOCOCCUS GAUVREAUII -0.000 jams wgsa2 Expected biobakery3 biobakery4 2 jams2022

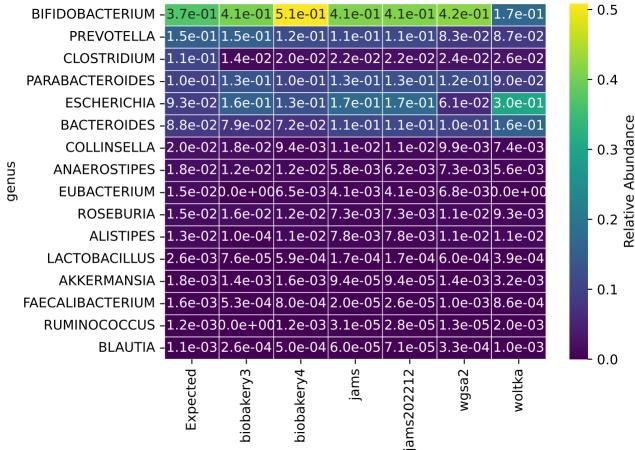
SRR11487938 for Mixed at Species Heatmap AKKERMANSIA MUCINIPHILA -ALISTIPES FINEGOLDII -0.200 ANAEROSTIPES HADRUS -BACTEROIDES THETAIOTAOMICRON -- 0.175 **BACTEROIDES UNIFORMIS -**BIFIDOBACTERIUM LONGUM -- 0.150 BLAUTIA WEXLERAE -CLOSTRIDIUM BUTYRICUM -0.125 species COLLINSELLA AEROFACIENS -ESCHERICHIA COLI -Relative / 0.01.0 - 0.100 EUBACTERIUM HALLII -FAECALIBACTERIUM PRAUSNITZII -LACTOBACILLUS\_GASSERI -PARABACTEROIDES DISTASONIS -PREVOTELLA COPRI -0.050 PREVOTELLA MELANINOGENICA -ROSEBURIA HOMINIS -- 0.025 ROSEBURIA\_INTESTINALIS -RUMINOCOCCUS GAUVREAUII -0.000 jams wgsa2 Expected biobakery3 biobakery4 2 jams2022

SRR11487939 for Mixed at Species Heatmap AKKERMANSIA MUCINIPHILA -0.200 ALISTIPES FINEGOLDII -ANAEROSTIPES HADRUS -BACTEROIDES THETAIOTAOMICRON -- 0.175 **BACTEROIDES UNIFORMIS -**BIFIDOBACTERIUM LONGUM -0.150 BLAUTIA WEXLERAE -CLOSTRIDIUM BUTYRICUM -- 0.125 species COLLINSELLA AEROFACIENS -ESCHERICHIA COLI -0.100 Selative / 0.075 0.100 EUBACTERIUM HALLII -FAECALIBACTERIUM PRAUSNITZII -LACTOBACILLUS GASSERI -PARABACTEROIDES DISTASONIS -PREVOTELLA COPRI -- 0.050 PREVOTELLA MELANINOGENICA -ROSEBURIA HOMINIS -- 0.025 ROSEBURIA\_INTESTINALIS -RUMINOCOCCUS GAUVREAUII -0.000 jams wgsa2 Expected biobakery3 biobakery4 2 jams2022

SRR11487940 for Mixed at Species Heatmap AKKERMANSIA MUCINIPHILA -0.200 ALISTIPES FINEGOLDII -ANAEROSTIPES HADRUS -0.175 BACTEROIDES THETAIOTAOMICRON -**BACTEROIDES UNIFORMIS -**BIFIDOBACTERIUM LONGUM -0.150 BLAUTIA WEXLERAE -CLOSTRIDIUM BUTYRICUM -- 0.125 species COLLINSELLA AEROFACIENS -ESCHERICHIA COLI -- 0.100 Relative 2.000 EUBACTERIUM HALLII -FAECALIBACTERIUM PRAUSNITZII -LACTOBACILLUS GASSERI -PARABACTEROIDES DISTASONIS -PREVOTELLA COPRI -- 0.050 PREVOTELLA MELANINOGENICA -ROSEBURIA HOMINIS -- 0.025 ROSEBURIA\_INTESTINALIS -RUMINOCOCCUS GAUVREAUII -0.000 jams wgsa2 Expected biobakery3 biobakery4 2 jams2022

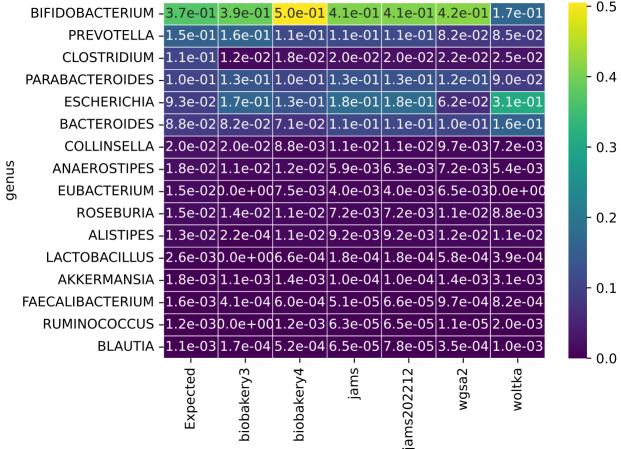
SRR11487941 for Mixed at Species Heatmap AKKERMANSIA MUCINIPHILA -0.200 ALISTIPES FINEGOLDII -ANAEROSTIPES HADRUS -BACTEROIDES THETAIOTAOMICRON -0.175 **BACTEROIDES UNIFORMIS -**BIFIDOBACTERIUM LONGUM -0.150 BLAUTIA WEXLERAE -.001.0 520.0 Selative Abundanc CLOSTRIDIUM BUTYRICUM -- 0.125 species COLLINSELLA AEROFACIENS -ESCHERICHIA COLI -EUBACTERIUM HALLII -FAECALIBACTERIUM PRAUSNITZII -LACTOBACILLUS GASSERI -PARABACTEROIDES DISTASONIS -PREVOTELLA COPRI -- 0.050 PREVOTELLA MELANINOGENICA -ROSEBURIA HOMINIS -- 0.025 ROSEBURIA\_INTESTINALIS -RUMINOCOCCUS GAUVREAUII -0.000 jams wgsa2 Expected biobakery3 biobakery4 2 jams2022

#### SRR11487931 for Hilo at Genus Heatmap

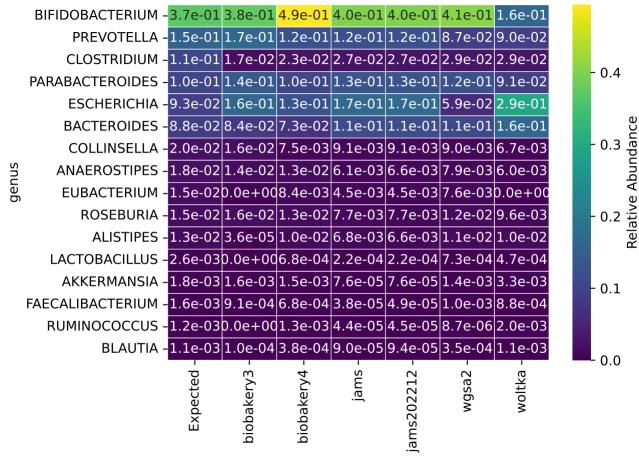


#### SRR11487932 for Hilo at Genus Heatmap

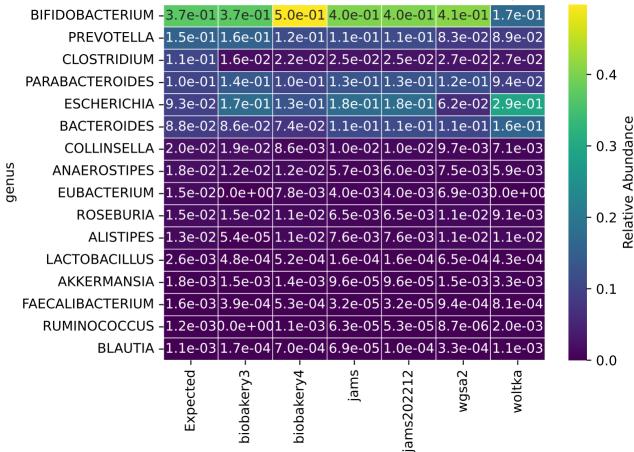
Relative Abundance



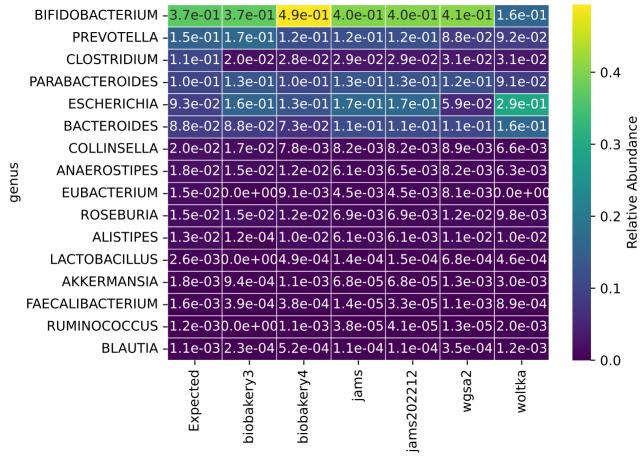
#### SRR11487933 for Hilo at Genus Heatmap



#### SRR11487934 for Hilo at Genus Heatmap



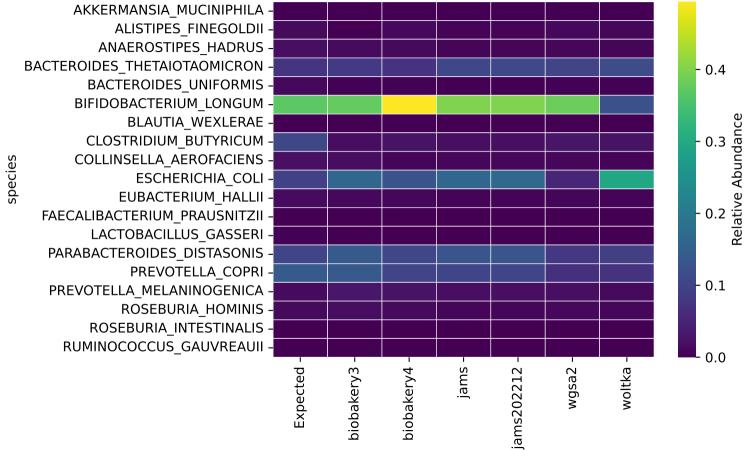
#### SRR11487935 for Hilo at Genus Heatmap



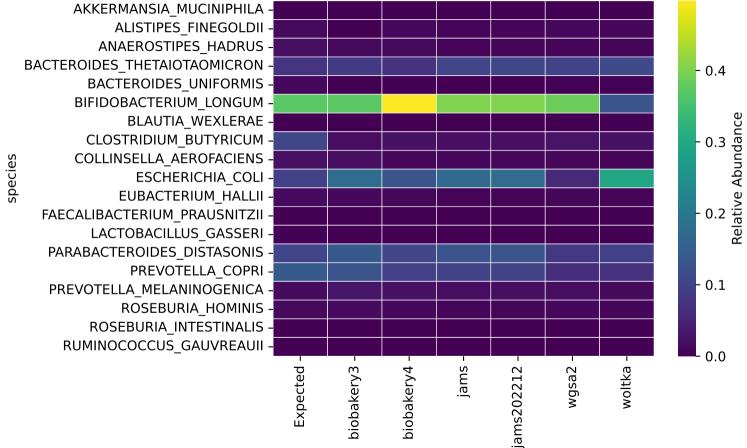
SRR11487931 for Hilo at Species Heatmap 0.5 AKKERMANSIA MUCINIPHILA -ALISTIPES FINEGOLDII -ANAEROSTIPES HADRUS -BACTEROIDES THETAIOTAOMICRON --0.4BACTEROIDES UNIFORMIS -BIFIDOBACTERIUM LONGUM -BLAUTIA WEXLERAE -CLOSTRIDIUM BUTYRICUM -- 0.3 COLLINSELLA AEROFACIENS species ESCHERICHIA COLI -EUBACTERIUM HALLII -FAECALIBACTERIUM PRAUSNITZII -- 0.2 LACTOBACILLUS GASSERI -PARABACTEROIDES DISTASONIS -PREVOTELLA COPRI -- 0.1 PREVOTELLA MELANINOGENICA -ROSEBURIA HOMINIS -ROSEBURIA INTESTINALIS -RUMINOCOCCUS GAUVREAUII jams wgsa2 woltka Expected biobakery3 biobakery4 jams202212

SRR11487932 for Hilo at Species Heatmap 0.5 AKKERMANSIA MUCINIPHILA -ALISTIPES FINEGOLDII -ANAEROSTIPES HADRUS -BACTEROIDES THETAIOTAOMICRON -0.4 BACTEROIDES UNIFORMIS -BIFIDOBACTERIUM LONGUM -BLAUTIA WEXLERAE -CLOSTRIDIUM BUTYRICUM -- 0.3 COLLINSELLA AEROFACIENS species ESCHERICHIA COLI -EUBACTERIUM HALLII -FAECALIBACTERIUM PRAUSNITZII -LACTOBACILLUS GASSERI -PARABACTEROIDES DISTASONIS -PREVOTELLA COPRI -- 0.1 PREVOTELLA MELANINOGENICA -ROSEBURIA HOMINIS -ROSEBURIA INTESTINALIS -RUMINOCOCCUS GAUVREAUII jams wgsa2 Expected biobakery3 biobakery4 jams202212 voltka

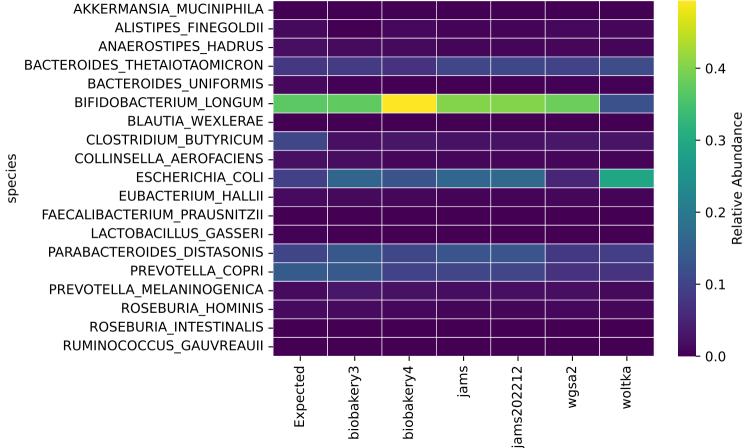
## SRR11487933 for Hilo at Species Heatmap



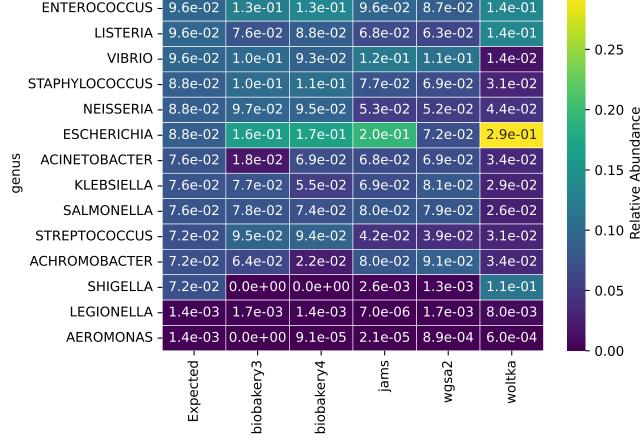
## SRR11487934 for Hilo at Species Heatmap



# SRR11487935 for Hilo at Species Heatmap



## ENTEROCOCCUS - 9.6e-02 1.3e-01 1.3e-01 9.6e-02 8.7e-02



EG for Nist at Genus Heatmap

#### STAPHYLOCOCCUS - 3.0e-01 2.9e-01 3.0e-01 2.5e-01 2.1e-01 7.8e-02 NEISSERIA - 3.0e-01 3.0e-01 3.1e-01 1.9e-01 1.9e-01 1.2e-01

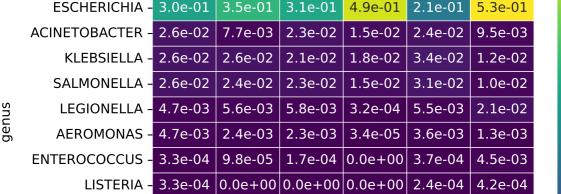
ESCHERICHIA - 3.0e-01

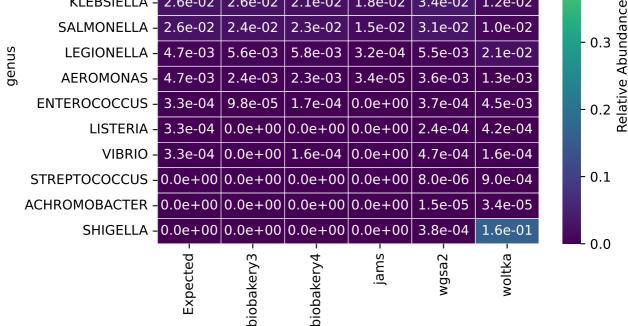
MIX-A for Nist at Genus Heatmap

0.5

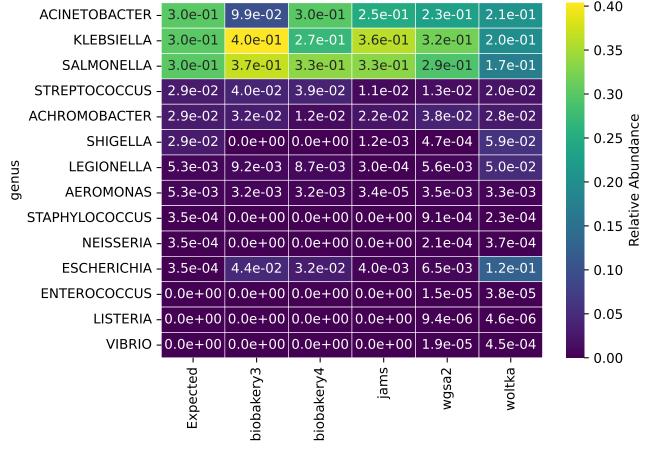
- 0.4

0.3



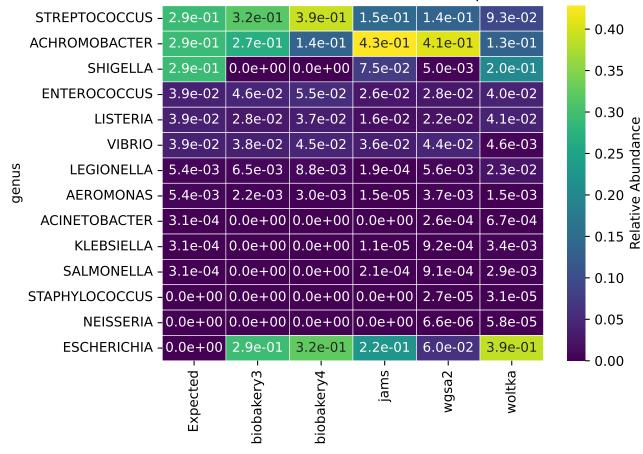


### ACINETOBACTER - 3.0e-01 9.9e-02 3.0e-01 2.5e-01 2.3e-01



MIX-B for Nist at Genus Heatmap

### STREPTOCOCCUS - 2.9e-01 1.4e-01 3.2e-01 3.9e-01 1.5e-01



MIX-C for Nist at Genus Heatmap

