

# Significant metadata correlation heatmap

FDR-values: < 0.001 = \*\*\*, < 0.01 = \*\*, < 0.1 = \*

Feature Value

ASV301 Erysipelatoclostridiaceae  
 ASV203 Frisingicoccus  
 ASV16 Bifidobacterium  
 ASV772 Butyricicoccus  
 ASV10 Ruminococcus  
 ASV335 Clostridia vadinBB60 group  
 ASV324 Deffluvitaleaceae UCG-011  
 ASV274 Ruminococcaceae  
 ASV49 [Eubacterium] coprostanoligenes group  
 ASV1 Muribaculaceae  
 ASV242 Erysipelatoclostridium  
 ASV147 Lachnoclostridium  
 ASV139 Lachnospiraceae UCG-006  
 ASV196 UBA1819  
 ASV428 Pygmaibacter  
 ASV223 Dorea  
 ASV355 Marvinbryantia  
 ASV105 Bacteroides  
 ASV73 Anaerostipes  
 ASV36 NK4A214 group  
 ASV665 Anaerofustis  
 ASV313 Paludicola  
 ASV200 Parasutterella  
 ASV157 Parabacteroides  
 ASV538 A2  
 ASV334 Erysipelotrichaceae  
 ASV524 Christensenellaceae R-7 group  
 ASV512 Enterococcus  
 ASV326 Gastranaerophilales  
 ASV72 [Eubacterium] siraeum group  
 ASV44 Roseburia  
 ASV2 Lachnospiraceae NK4A136 group  
 ASV468 Candidatus Saccharimonas  
 ASV35 Clostridium sensu stricto 1  
 ASV31 Clostridia UCG-014  
 ASV509 Escherichia-Shigella  
 ASV399 Monoglobus  
 ASV24 Romboutsia  
 ASV328 Clostridia  
 ASV28 Jeotgalicoccus  
 ASV100 Oscillibacter

Famil  
Fami

Treatments

SCFAs

Memb. receptors

ytokines bra

ognitive tes

Treated\_CCL  
Antibiotic

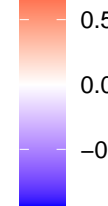
SCFA\_CA  
SCFA\_AA  
SCFA\_BA

TNFR1  
NR1  
GAT1  
NR2A  
NR2B

CCL20

Learning\_index\_Rmaze

Effect size



status

○ Confounded  
\* Deconfounded

Variables