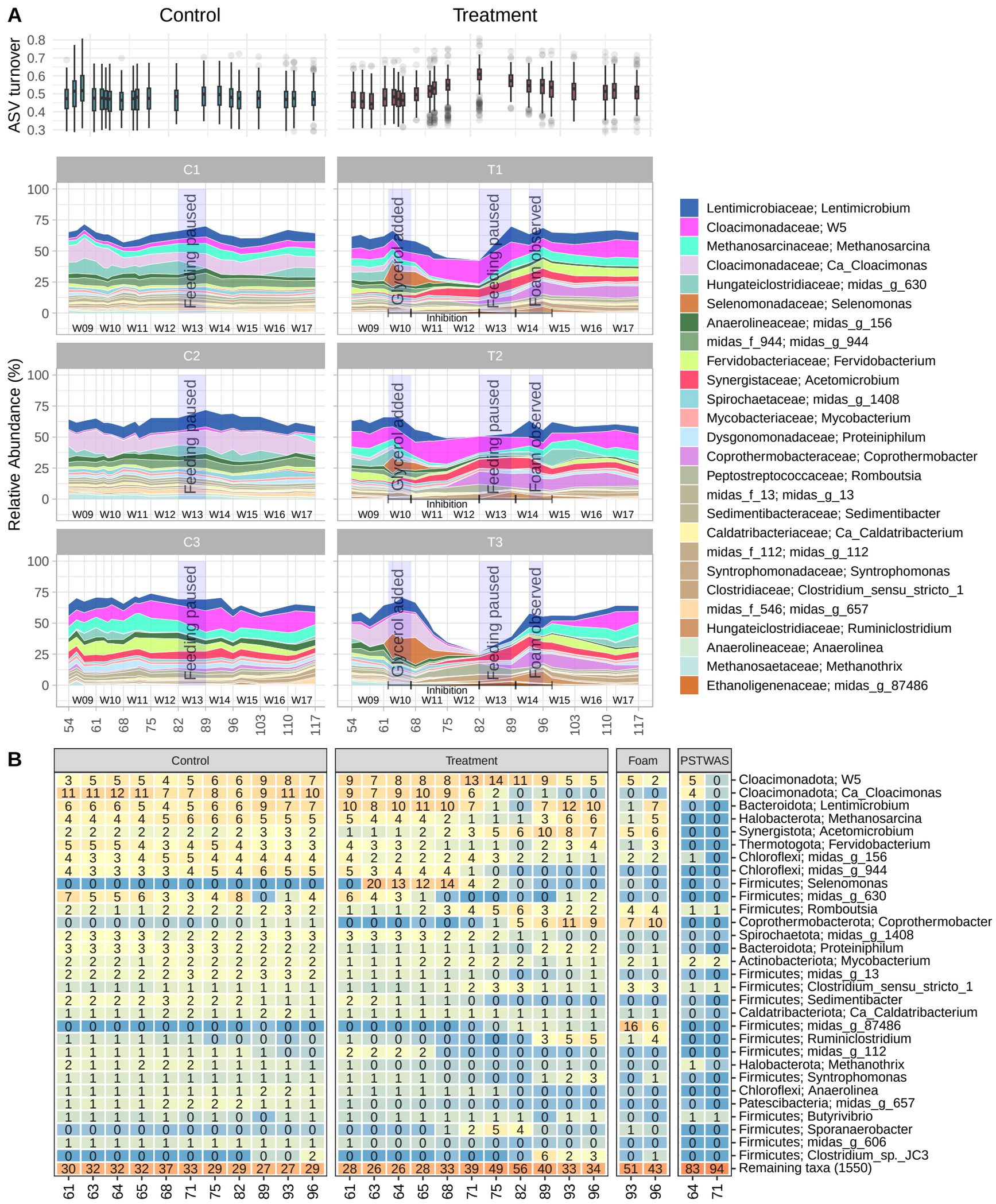
A
Control
Treatment
ASV turnover
0.8
0.7
0.6
0.5
0.4
0.3
C1
T1
C2
T2
C3
T3
Relative Abundance (%)
100
75
50
25
0
Feeding paused
Glycerol added
Foam observed
Inhibition
W09 W10 W11 W12 W13 W14 W15 W16 W17
54 61 68 75 82 89 96 103 110 117
Lentimicrobiaceae; Lentimicrobium
Cloacimonadaceae; W5
Methanosarcinaceae; Methanosarcina
Cloacimonadaceae; Ca_Cloacimonas
Hungateiclostridiaceae; midas_g_630
Selenomonadaceae; Selenomonas
Anaerolineaceae; midas_g_156
midas_f_944; midas_g_944
Fervidobacteriaceae; Fervidobacterium
Synergistaceae; Acetomicrobium
Spirochaetaceae; midas_g_1408
Mycobacteriaceae; Mycobacterium
Dysgonomonadaceae; Proteiniphilum
Coprothermobacteraceae; Coprothermobacter
Peptostreptococcaceae; Romboutsia
midas_f_13; midas_g_13
Sedimentibacteraceae; Sedimentibacter
Caldatribacteriaceae; Ca_Caldatribacterium
midas_f_112; midas_g_112
Syntrophomonadaceae; Syntrophomonas
Clostridiaceae; Clostridium_sensu_stricto_1
midas_f_546; midas_g_657
Hungateiclostridiaceae; Ruminiclostridium
Anaerolineaceae; Anaerolinea
Methanosaetaceae; Methanothrix
Ethanoligenenaceae; midas_g_87486
B
Control
Treatment
Foam
PSTWAS
61 63 64 65 68 71 75 82 89 93 96
61 63 64 65 68 71 75 82 89 93 96
93 96
64 71
Cloacimonadota; W5
Cloacimonadota; Ca_Cloacimonas
Bacteroidota; Lentimicrobium
Halobacterota; Methanosarcina
Synergistota; Acetomicrobium
Thermotogota; Fervidobacterium
Chloroflexi; midas_g_156
Chloroflexi; midas_g_944
Firmicutes; Selenomonas
Firmicutes; midas_g_630
Firmicutes; Romboutsia
Coprothermobacterota; Coprothermobacter
Spirochaetota; midas_g_1408
Bacteroidota; Proteiniphilum
Actinobacteriota; Mycobacterium
Firmicutes; midas_g_13
Firmicutes; Clostridium_sensu_stricto_1
Firmicutes; Sedimentibacter
Caldatribacteriota; Ca_Caldatribacterium
Firmicutes; midas_g_87486
Firmicutes; Ruminiclostridium
Firmicutes; midas_g_112
Halobacterota; Methanothrix
Firmicutes; Syntrophomonas
Chloroflexi; Anaerolinea
Patescibacteria; midas_g_657
Firmicutes; Butyrivibrio
Firmicutes; Sporanaerobacter
Firmicutes; midas_g_606
Firmicutes; Clostridium_sp._JC3
Remaining taxa (1550)