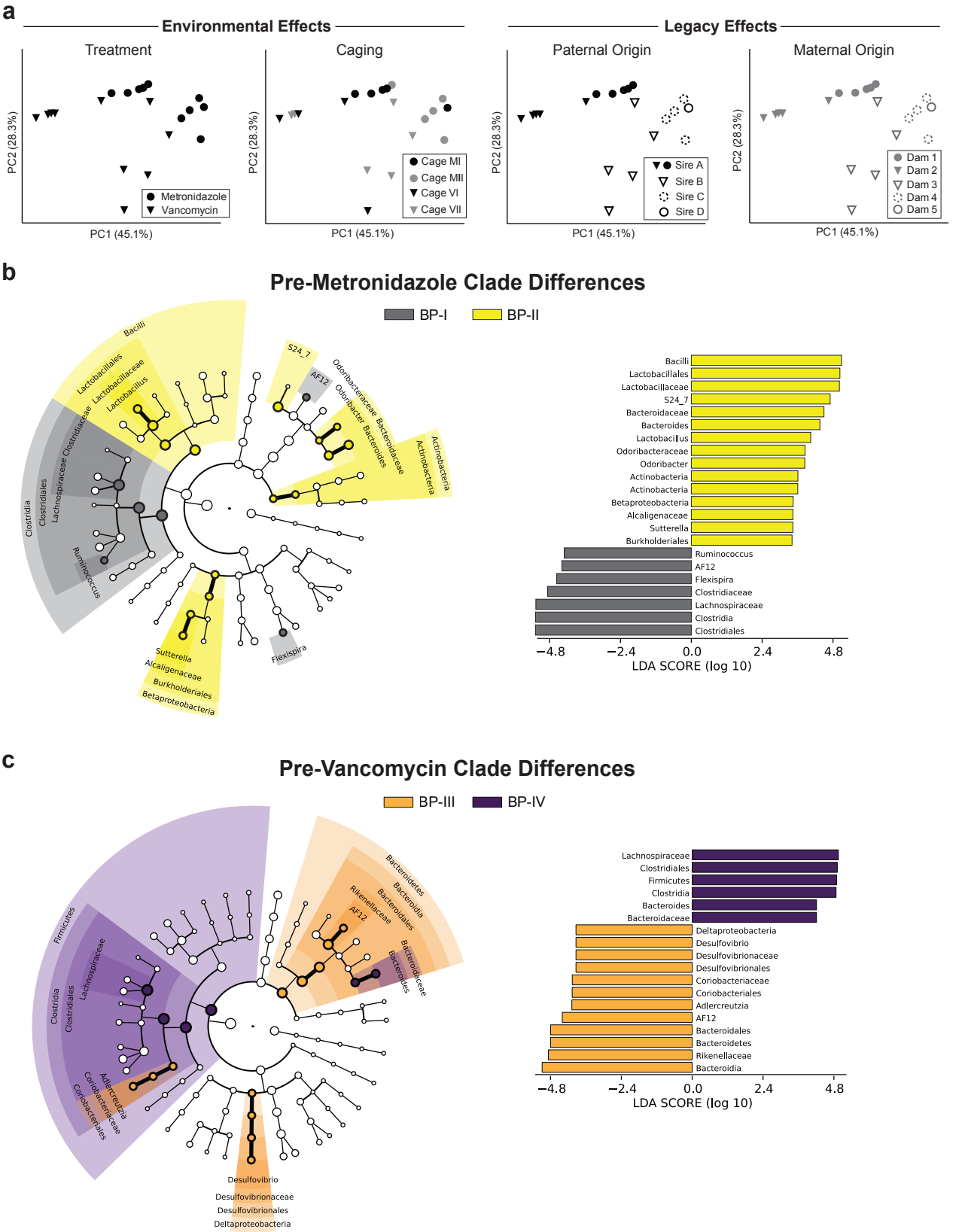
Figure S3


a
Environmental Effects
Legacy Effects
Treatment
Caging
Paternal Origin
Maternal Origin
PC2 (28.3%)
PC1 (45.1%)
Metronidazole
Vancomycin
Cage MI
Cage MII
Cage VI
Cage VII
Sire A
Sire B
Sire C
Sire D
Dam 1
Dam 2
Dam 3
Dam 4
Dam 5
b
Pre-Metronidazole Clade Differences
BP-I
BP-II
Bacilli
Lactobacillales
Lactobacillaceae
Lactobacillus
Clostridiaceae
Lachnospiraceae
Clostridiales
Clostridia
Ruminococcus
S24_7
AF12
Odoribacteraceae
Odoribacter
Bacteroides
Bacteroidaceae
Actinobacteria
Actinobacteria
Sutterella
Alcaligenaceae
Burkholderiales
Betaproteobacteria
Flexispira
Bacilli
Lactobacillales
Lactobacillaceae
S24_7
Bacteroidaceae
Bacteroides
Lactobacillus
Odoribacteraceae
Odoribacter
Actinobacteria
Actinobacteria
Betaproteobacteria
Alcaligenaceae
Sutterella
Burkholderiales
Ruminococcus
AF12
Flexispira
Clostridiaceae
Lachnospiraceae
Clostridia
Clostridiales
−4.8
−2.4
0.0
2.4
4.8
LDA SCORE (log 10)
c
Pre-Vancomycin Clade Differences
BP-III
BP-IV
Firmicutes
Lachnospiraceae
Clostridia
Clostridiales
Adlercreutzia
Coriobacteriaceae
Coriobacteriales
Bacteroidetes
Bacteroidia
Bacteroidales
Rikenellaceae
AF12
Bacteroidaceae
Bacteroides
Desulfovibrio
Desulfovibrionaceae
Desulfovibrionales
Deltaproteobacteria
Lachnospiraceae
Clostridiales
Firmicutes
Clostridia
Bacteroides
Bacteroidaceae
Deltaproteobacteria
Desulfovibrio
Desulfovibrionaceae
Desulfovibrionales
Coriobacteriaceae
Coriobacteriales
Adlercreutzia
AF12
Bacteroidales
Bacteroidetes
Rikenellaceae
Bacteroidia
−4.8
−2.4
0.0
2.4
4.8
LDA SCORE (log 10)