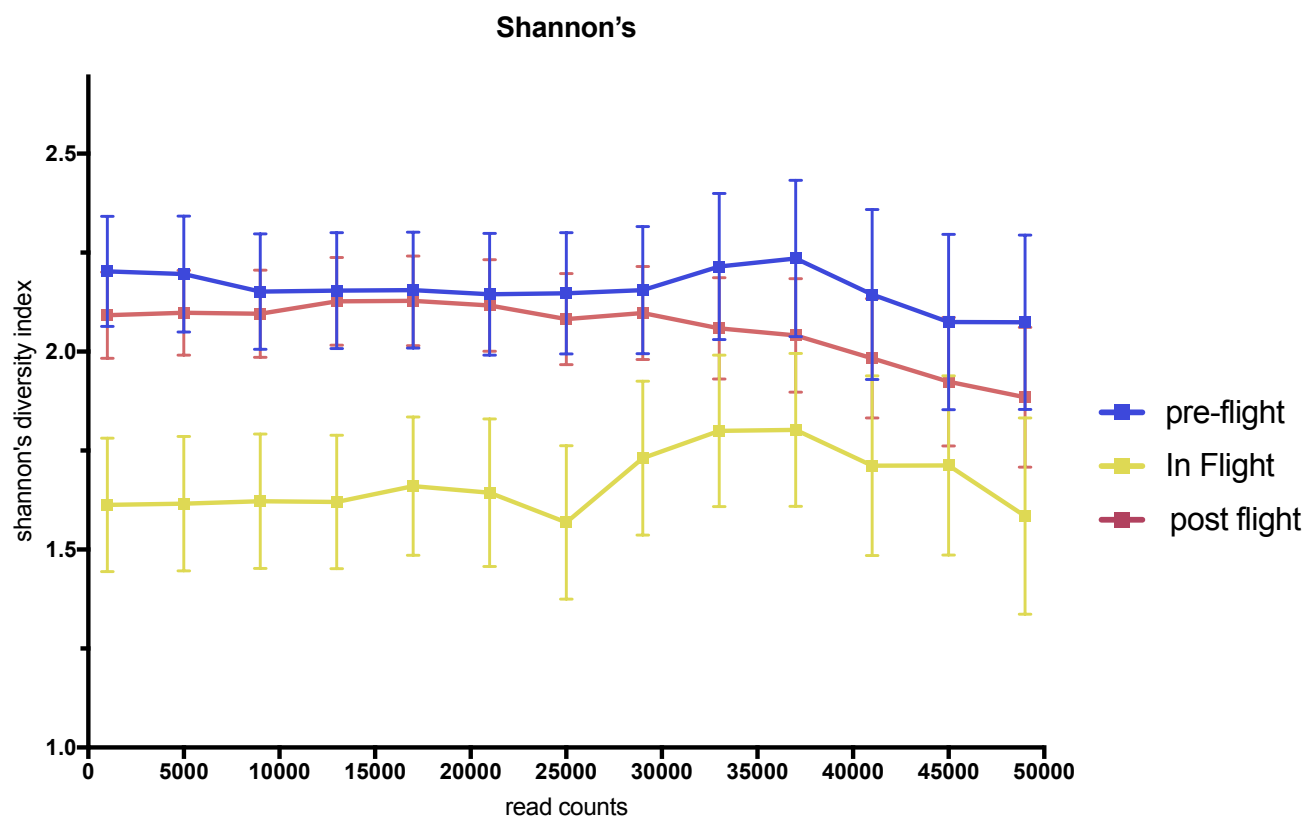


A



B

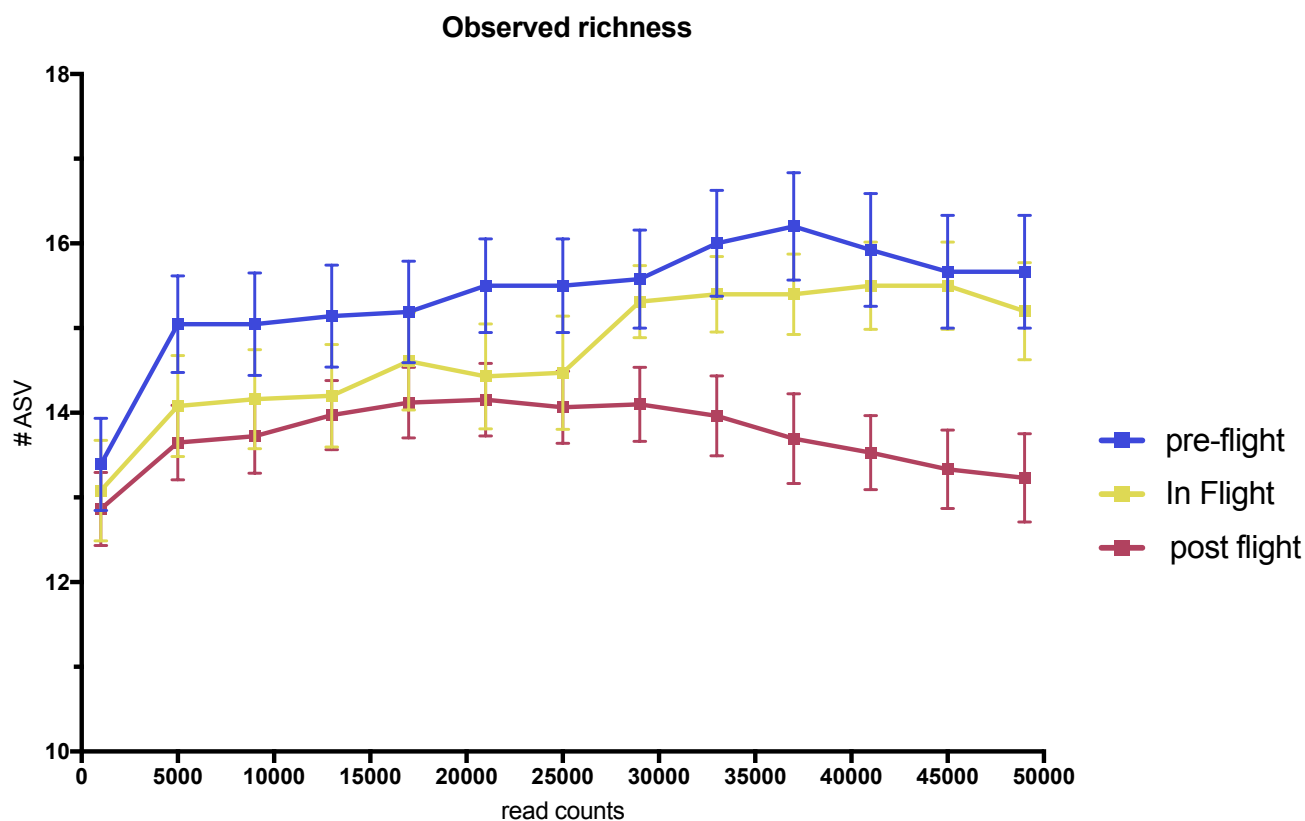
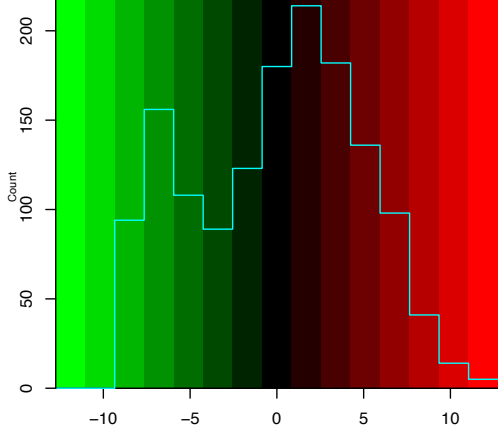


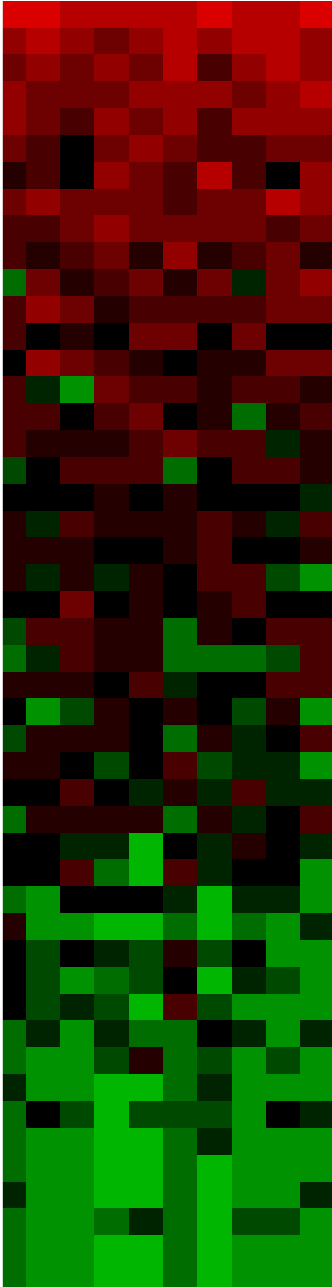
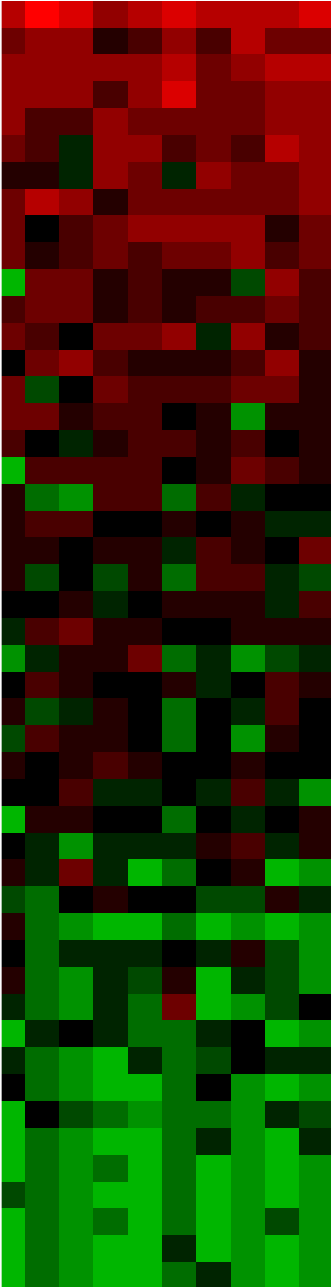
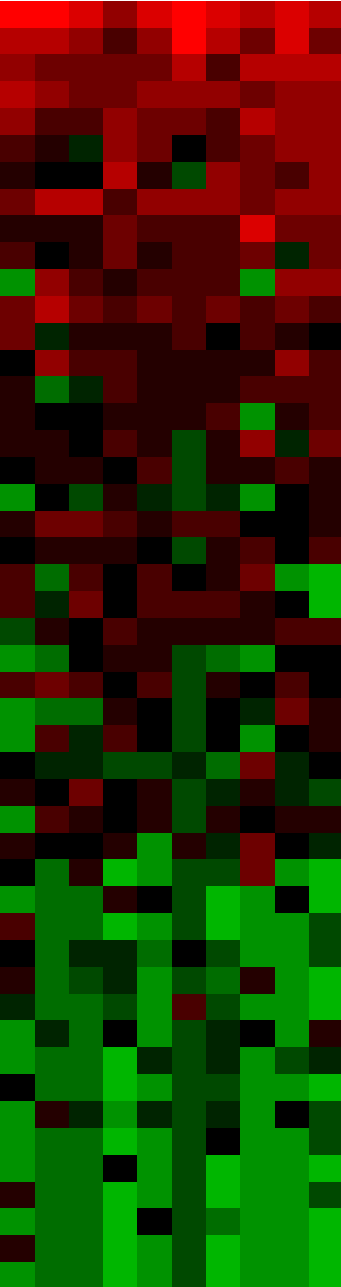
Figure S2



Pre-flight

in-flight

post-flight



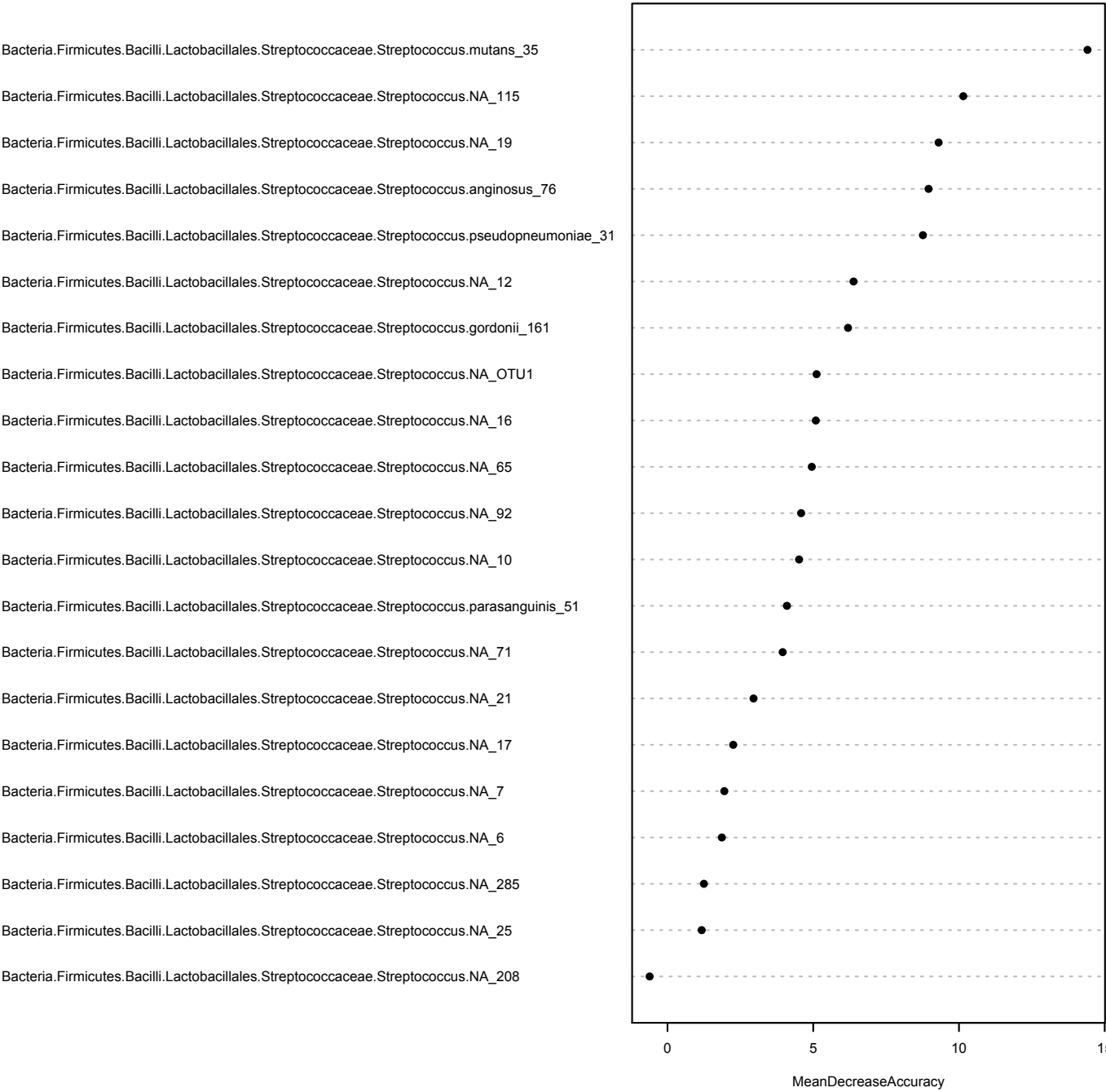
Streptococcus  
Rothia  
Haemophilus  
Gemella  
Veillonella  
Prevotella  
Porphyromonas  
Granulicatella  
Neisseria  
Fusobacterium  
Peptostreptococcus  
Actinomyces  
Selenomonas  
Oribacterium  
Leptotrichia  
Ruminococcaceae\_UCG-014  
Capnocytophaga  
Candidatus\_Saccharimonas  
Alloprevotella  
Parvimonas  
Bergeyella  
Abitrophia  
Corynebacterium  
Lachnoanaerobaculum  
Butyrivibrio  
Atopobium  
Catonella  
Stomatobaculum  
Campylobacter  
Cardiobacterium  
Solobacterium  
Lautropia  
Aggregatibacter  
Megasphaera  
Lactobacillus  
Dialister  
Kingella  
Actinobacillus  
Johnsonella  
Tannerella  
Streptobacillus  
Mogibacterium  
Filifactor  
Eikenella  
Bifidobacterium  
Alloscardovia  
Bacillus  
Cloacibacterium

S1\_pre  
S2\_pre  
S3\_pre  
S4\_pre  
S5\_pre  
S6\_pre  
S7\_pre  
S8\_pre  
S9\_pre  
S10\_pre

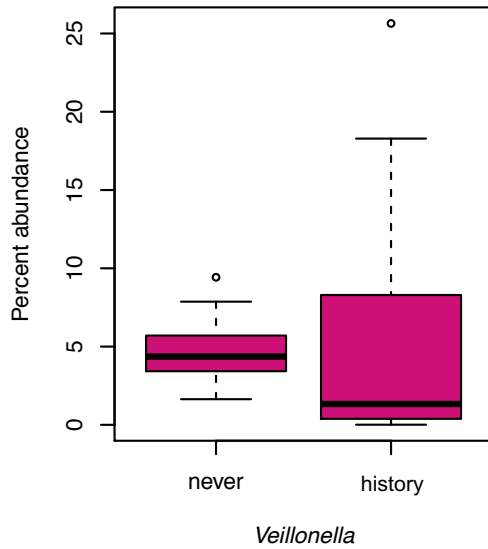
S1\_F  
S2\_F  
S3\_F  
S4\_F  
S5\_F  
S6\_F  
S7\_F  
S8\_F  
S9\_F  
S10\_F

S1\_post  
S2\_post  
S3\_post  
S4\_post  
S5\_post  
S6\_post  
S7\_post  
S8\_post  
S9\_post  
S10\_post

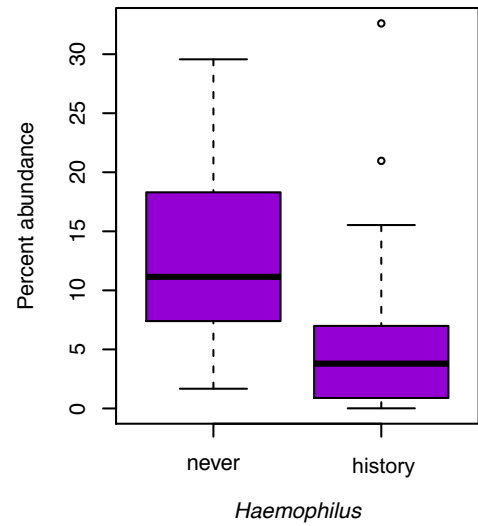
Figure S3



A



B



C

Bacteria.Firmicutes.Negativicutes.Selenomonadales.Veillonellaceae.Veillonella  
 Bacteria.Saccharibacteria.NA.NA.NA.NA  
 Bacteria.Proteobacteria.Gammaproteobacteria.Pasteurellales.Pasteurellaceae.Haemophilus  
 Bacteria.Firmicutes.Negativicutes.Selenomonadales.Veillonellaceae.Selenomonas\_4  
 Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococcaceae.Peptostreptococcus  
 Bacteria.Proteobacteria.Betaproteobacteria.Burkholderiales.Burkholderiaceae.Lautropia  
 Bacteria.Firmicutes.Erysipelotrichia.Erysipelotrichales.Erysipelotrichaceae.Solobacterium  
 Bacteria.Proteobacteria.Betaproteobacteria.Neisseriales.Neisseriaceae.Neisseria  
 Bacteria.Fusobacteria.Fusobacteriia.Fusobacteriales.Leptotrichiaceae.Leptotrichia  
 Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Porphyromonadaceae.Porphyromonas  
 Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.Ruminococcaceae\_UCG.014  
 Bacteria.Actinobacteria.Actinobacteria.Micrococcales.Micrococcaceae.Rothia  
 Bacteria.Firmicutes.Clostridia.Clostridiales.Family\_XIII.Mogibacterium  
 Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococcaceae.NA  
 Bacteria.Firmicutes.Bacilli.Lactobacillales.Aerococcaceae.Abiotrophia  
 Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevotellaceae.Prevotella\_2  
 Bacteria.Gracilibacteria.NA.NA.NA.NA  
 Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevotellaceae.Prevotella\_7  
 Bacteria.Firmicutes.Negativicutes.Selenomonadales.Veillonellaceae.Selenomonas  
 Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevotellaceae.Prevotella\_6  
 Bacteria.Firmicutes.Bacilli.Lactobacillales.Lactobacillaceae.Lactobacillus  
 Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.Stomatobaculum  
 Bacteria.Firmicutes.Negativicutes.Selenomonadales.Veillonellaceae.Dialister  
 Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevotellaceae.Alloprevotella  
 Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevotellaceae.Prevotella  
 Bacteria.Actinobacteria.Coriobacteriia.Coriobacteriales.Coriobacteriaceae.Atopobium  
 Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.Catonella  
 Bacteria.Actinobacteria.Actinobacteria.Bifidobacteriales.Bifidobacteriaceae.Bifidobacterium  
 Bacteria.Bacteroidetes.Flavobacteriia.Flavobacteriales.Flavobacteriaceae.Capnocytophaga  
 Bacteria.Firmicutes.Bacilli.Bacillales.Family\_XI.Gemella

