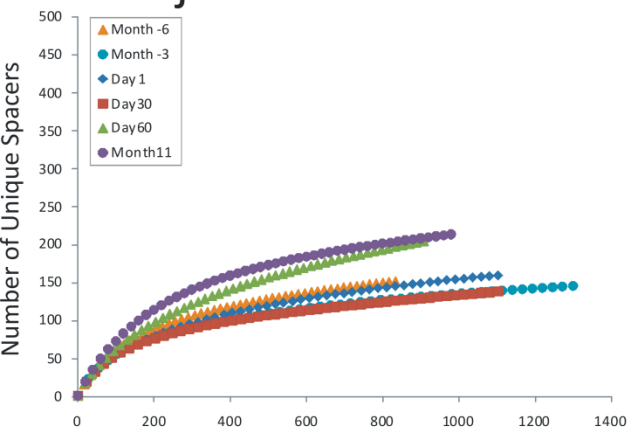
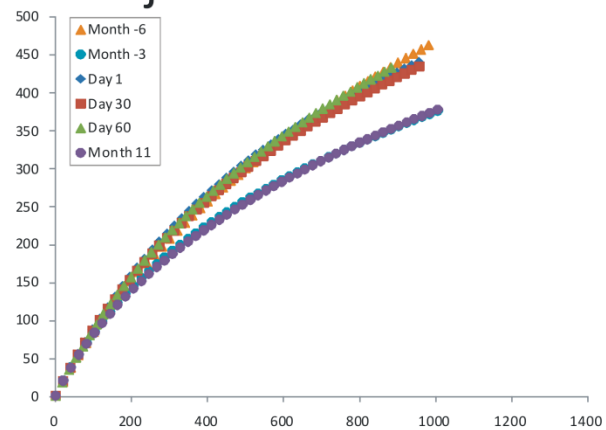


# Supplemental Figure 1

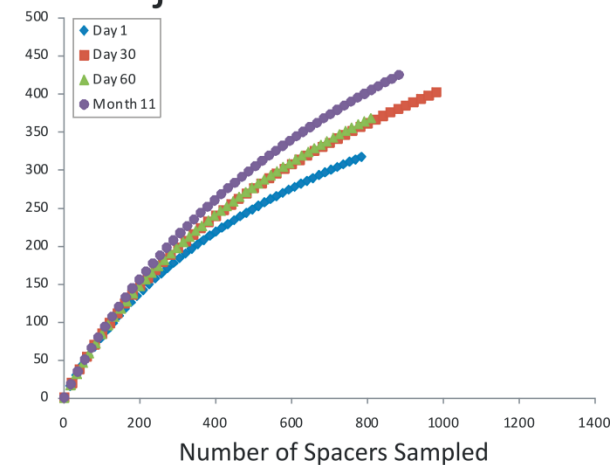
## A. Subject 1



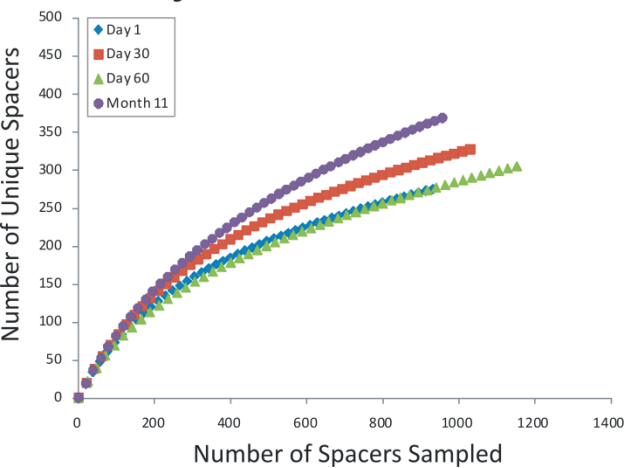
## B. Subject 2



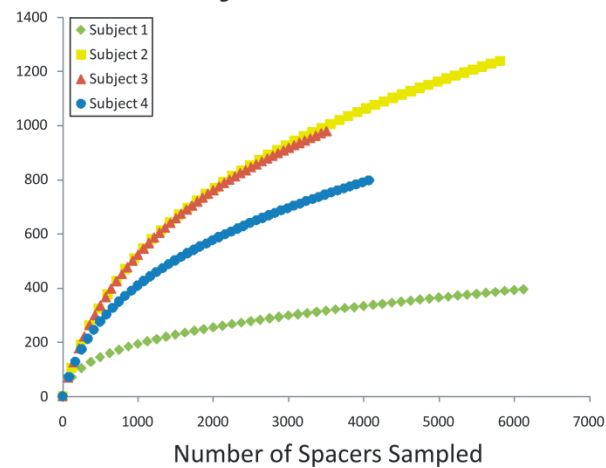
## C. Subject 3



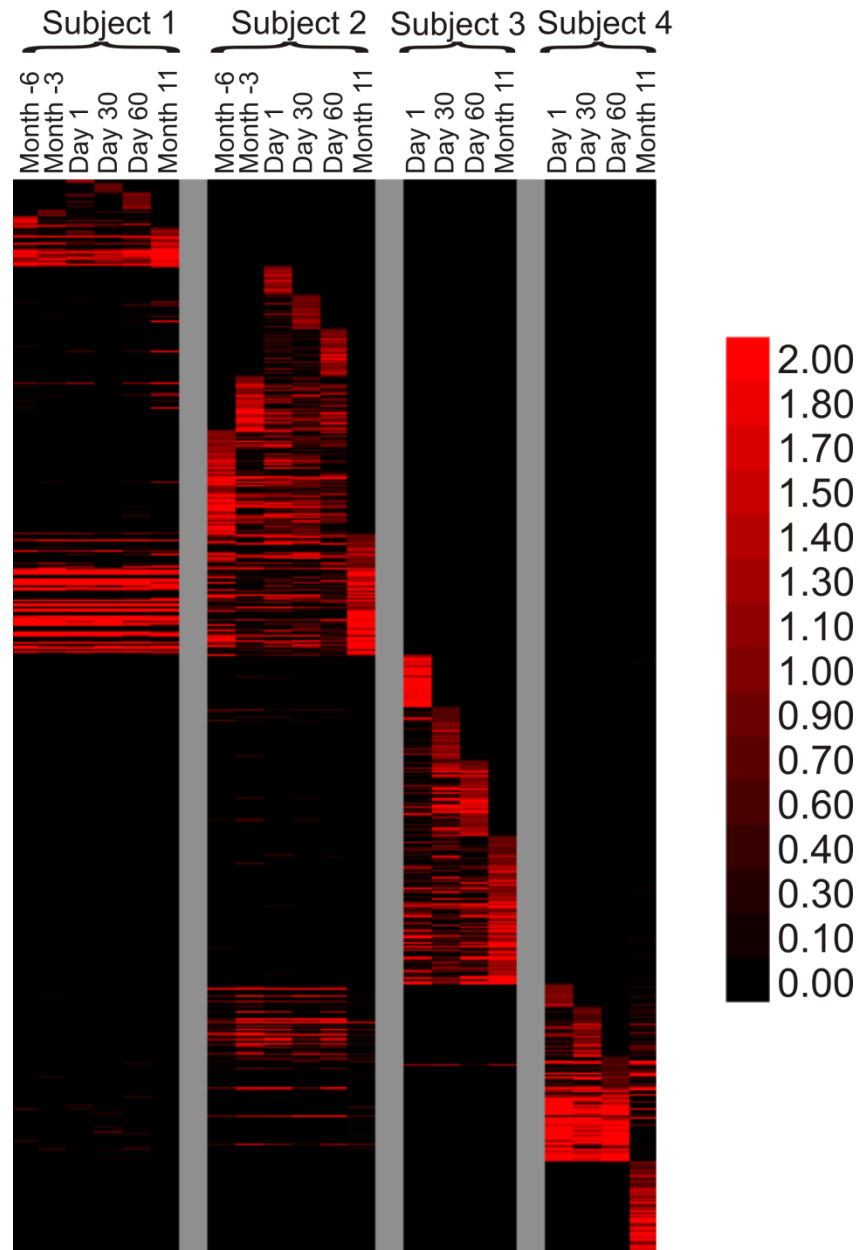
## D. Subject 4



## E. All Subjects

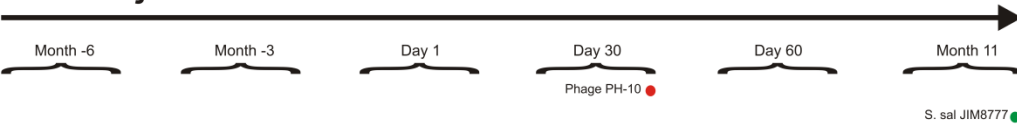


# Supplemental Figure 2

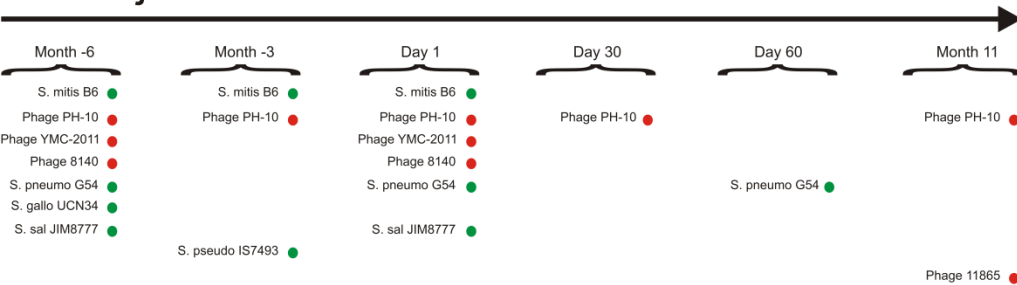


# Supplemental Figure 3

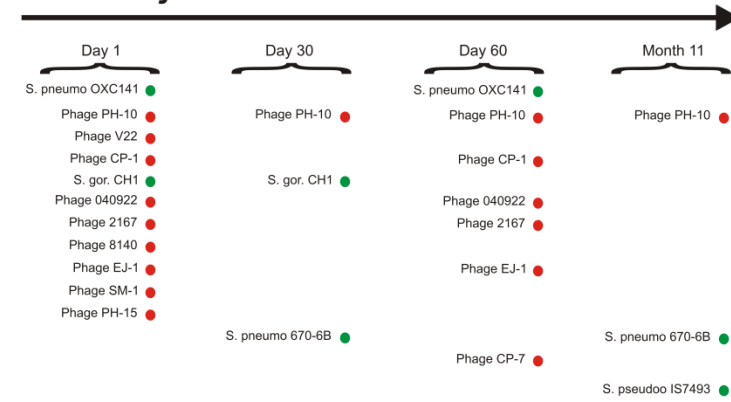
## A. Subject 1



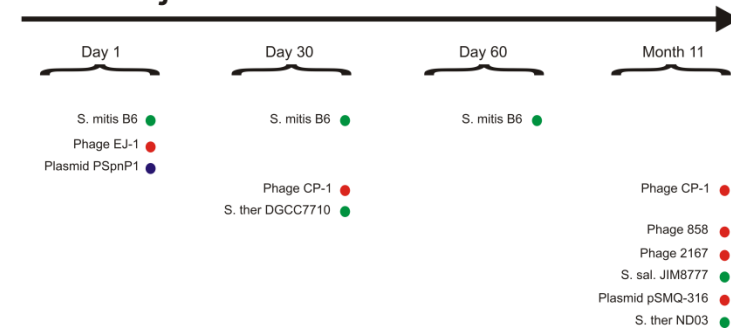
## B. Subject 2



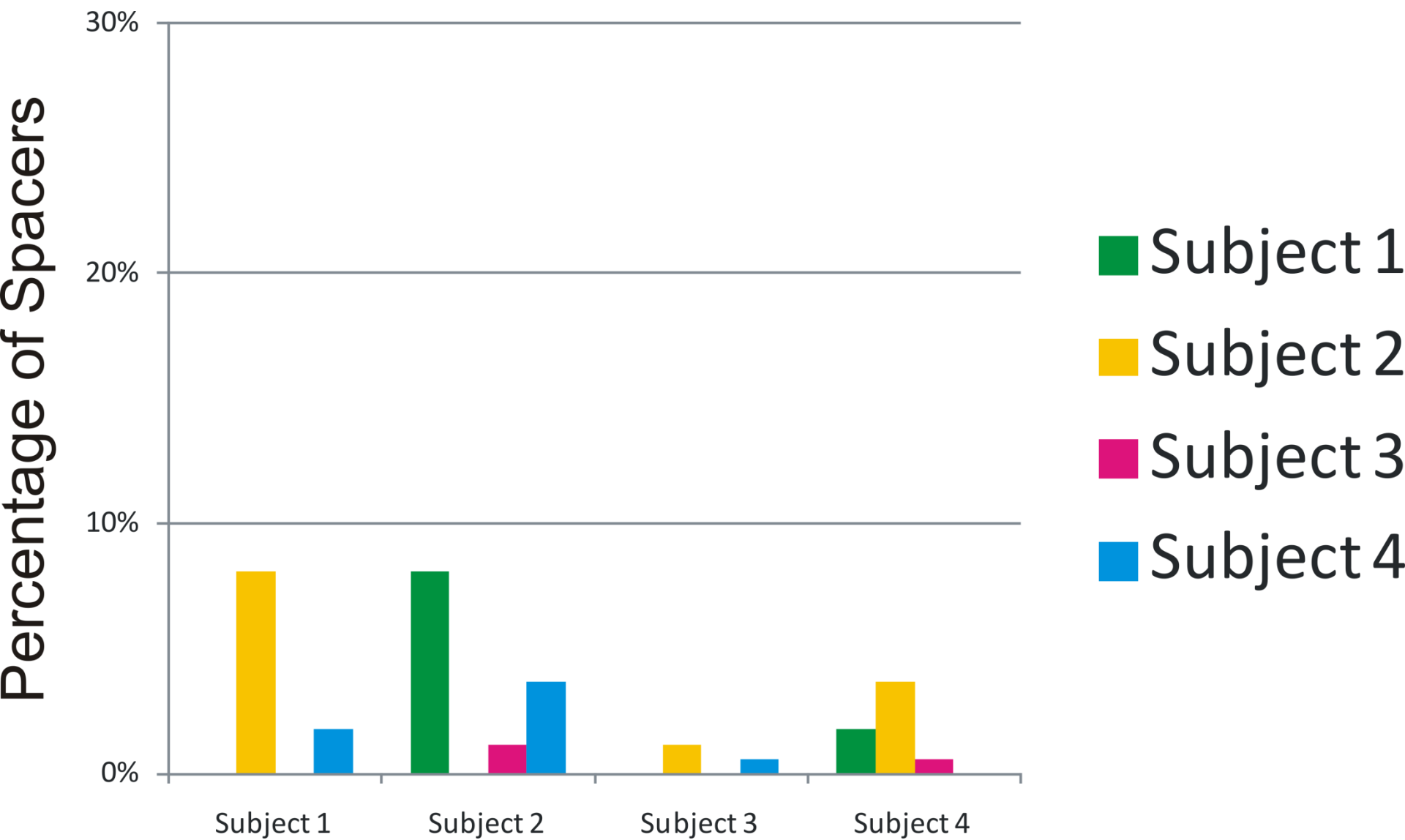
## C. Subject 3



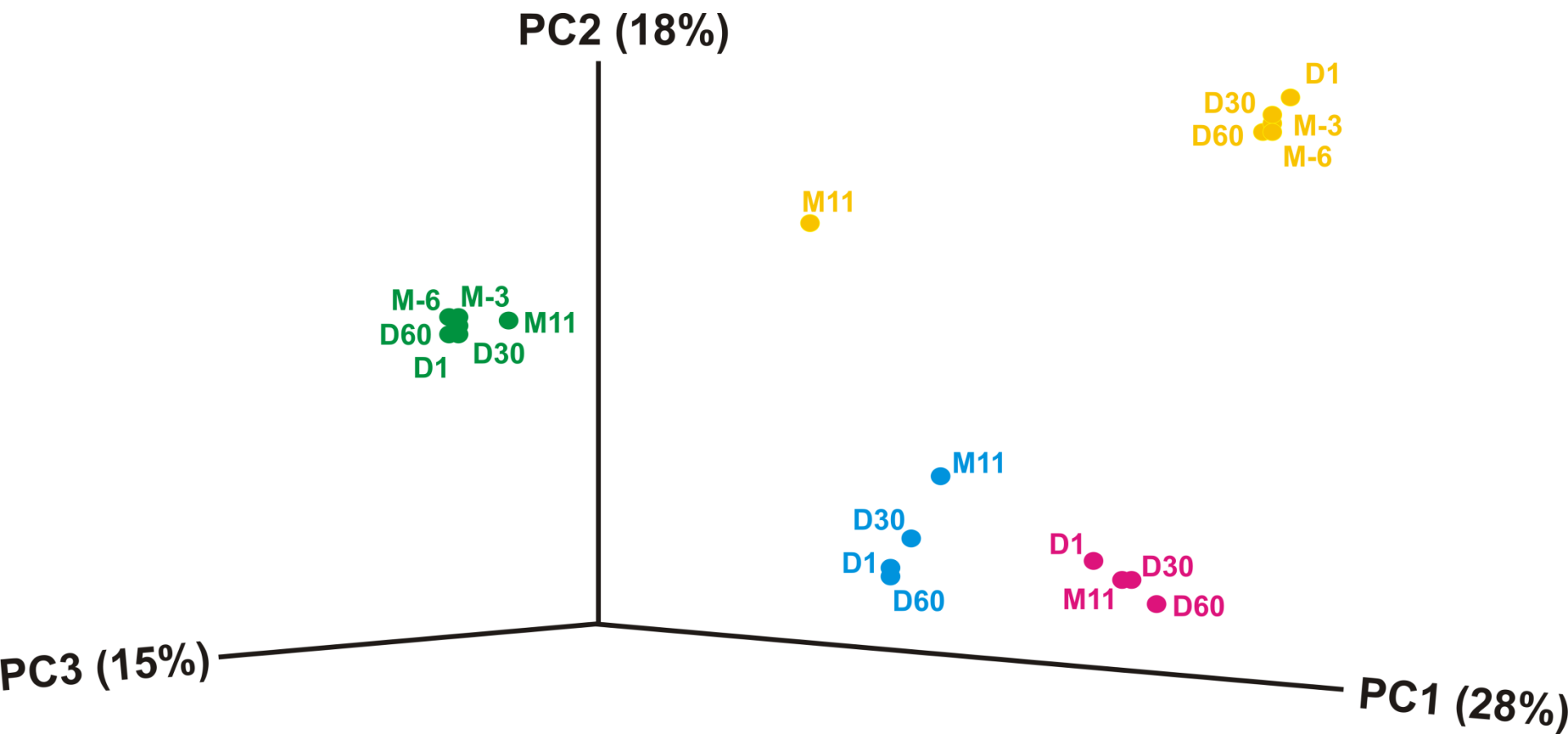
## D. Subject 4



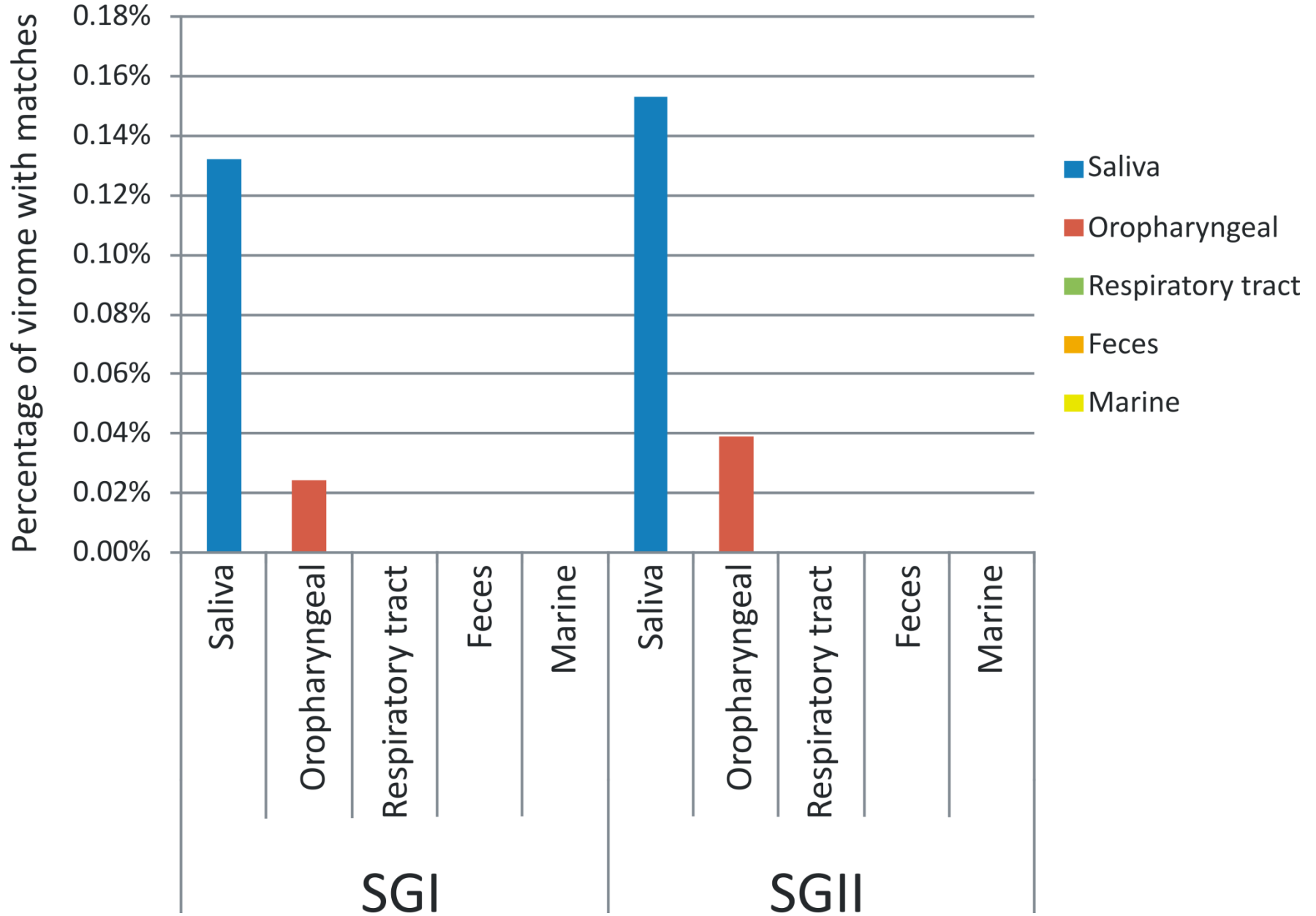
Supplemental Figure 4



Supplemental Figure 5

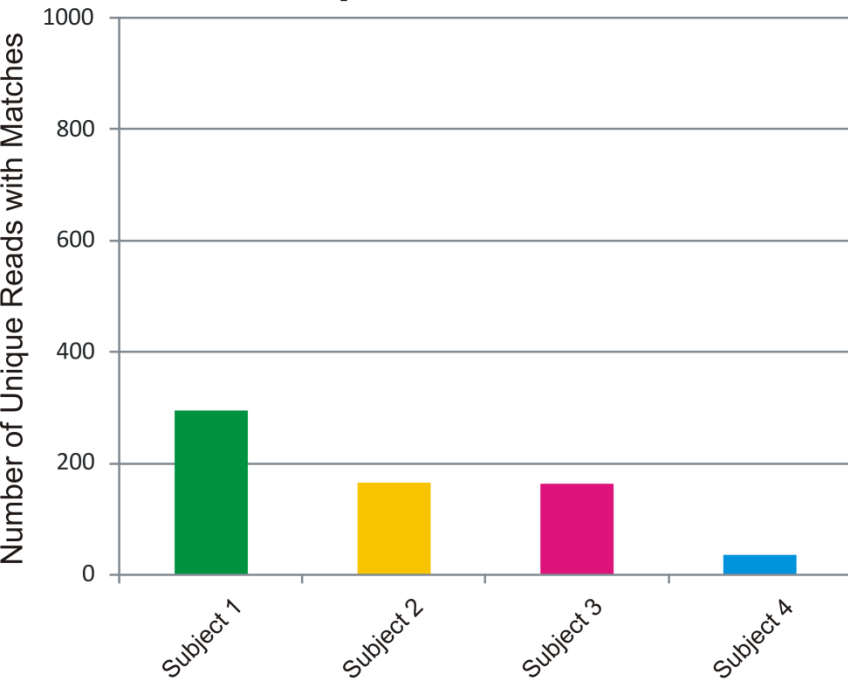


# Supplemental Figure 6

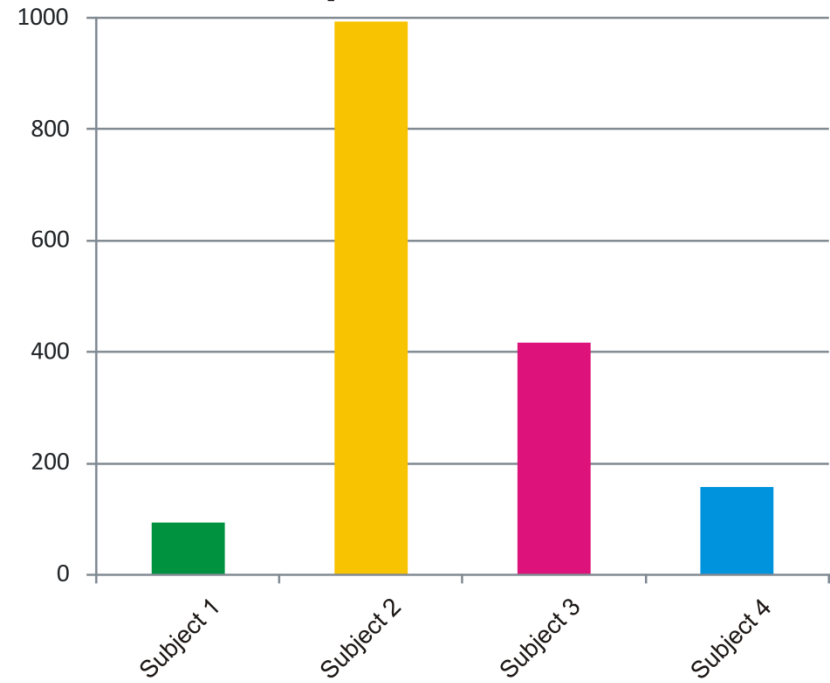


# Supplemental Figure 7

## A. SGI Spacers

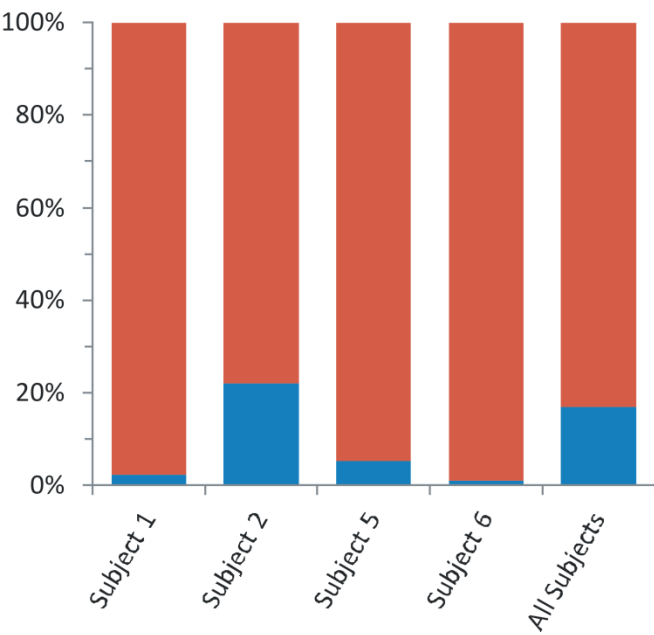


## B. SGII Spacers

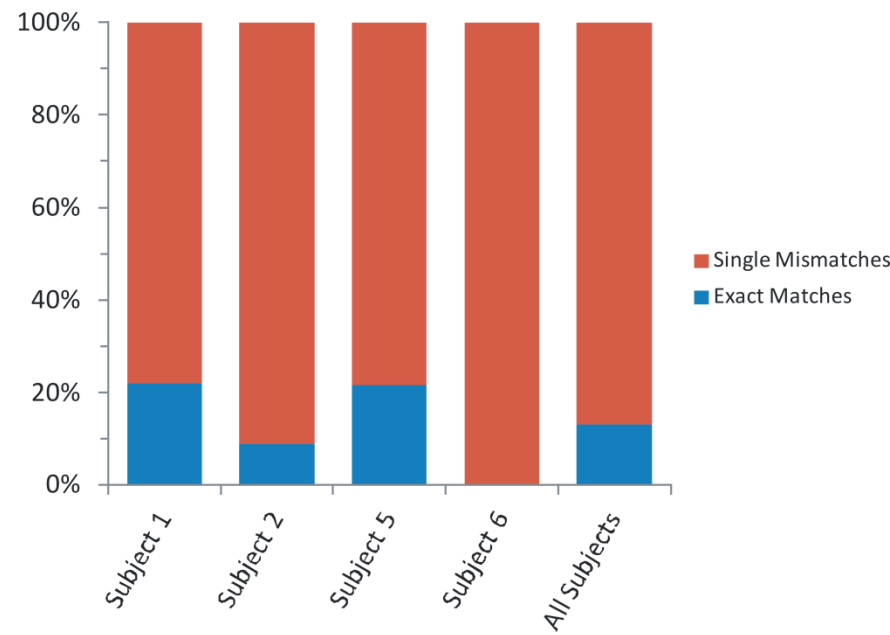


# Supplemental Figure 8

## A. SGII



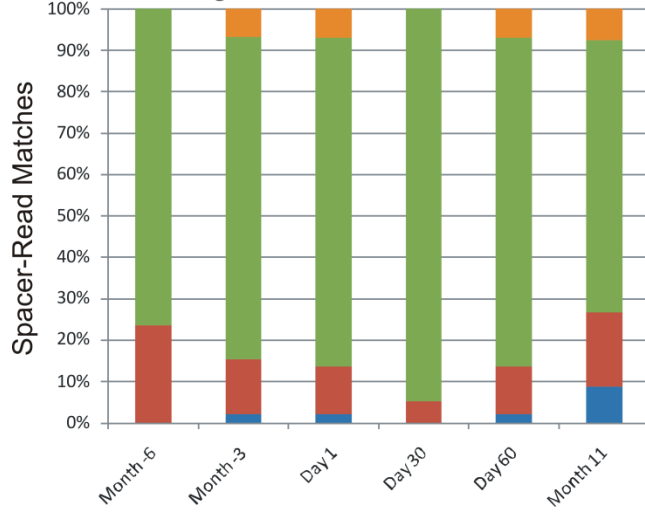
## B. SGI



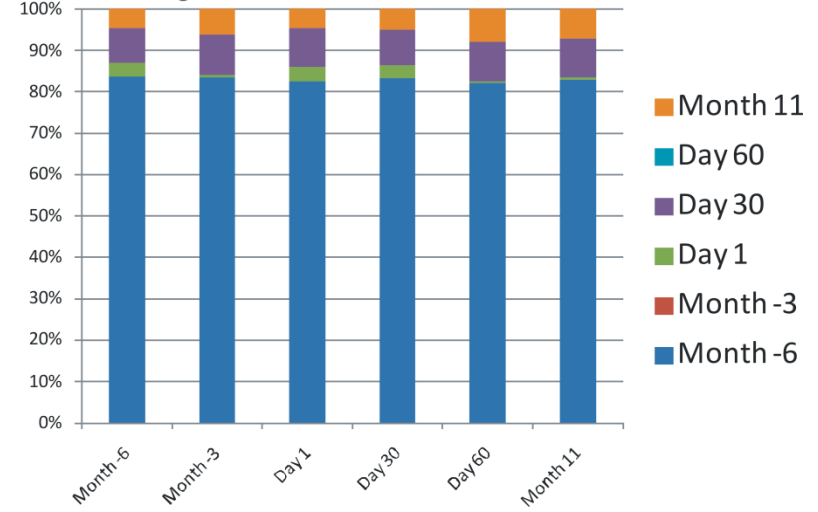


# Supplemental Figure 9

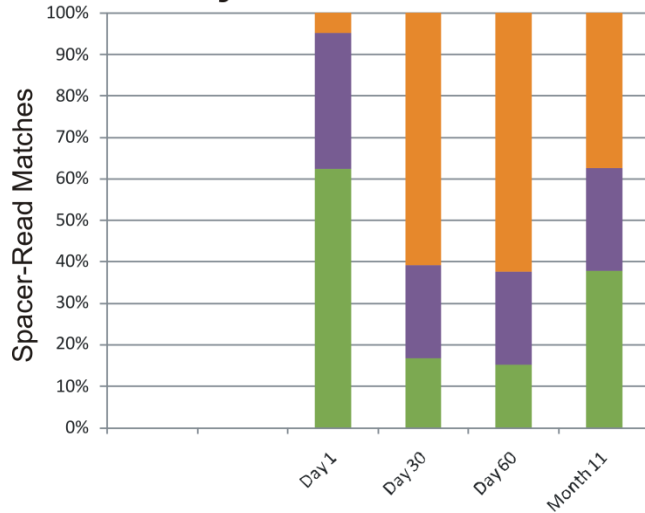
## A. Subject 1



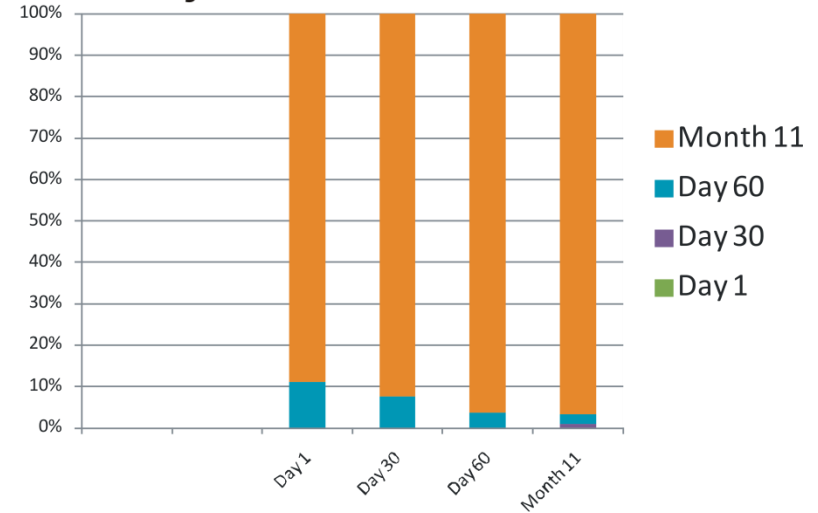
## B. Subject 2



## C. Subject 3



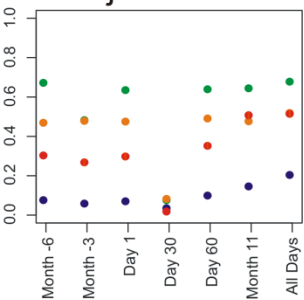
## D. Subject 4



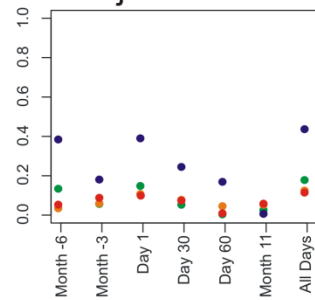
# Supplemental Figure 10

## SGI Spacers

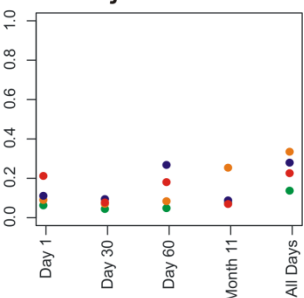
A. Subject 1



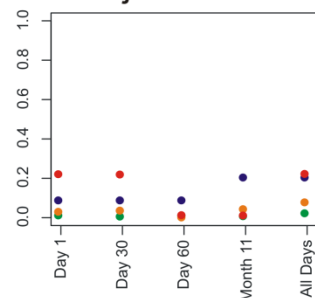
B. Subject 2



C. Subject 3

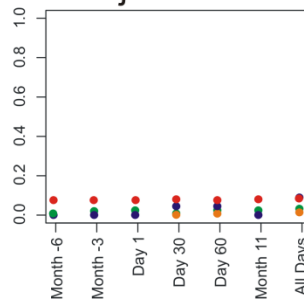


D. Subject 4

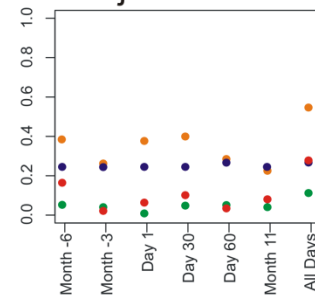


## SGII Spacers

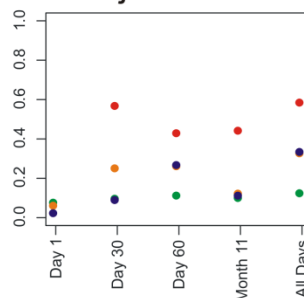
E. Subject 1



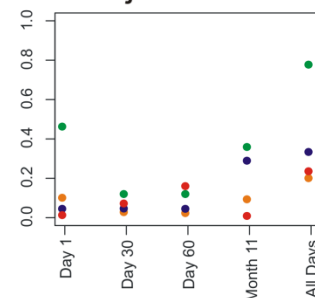
F. Subject 2



G. Subject 3



H. Subject 4



■ Subject 1

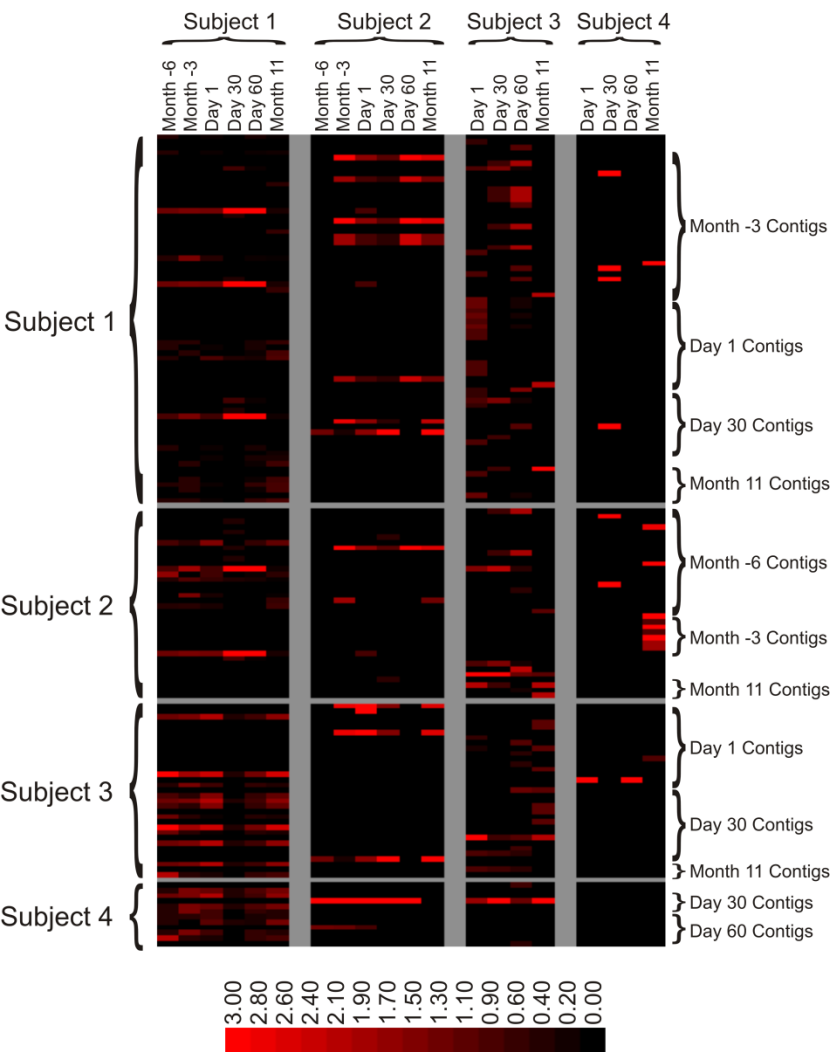
■ Subject 2

■ Subject 3

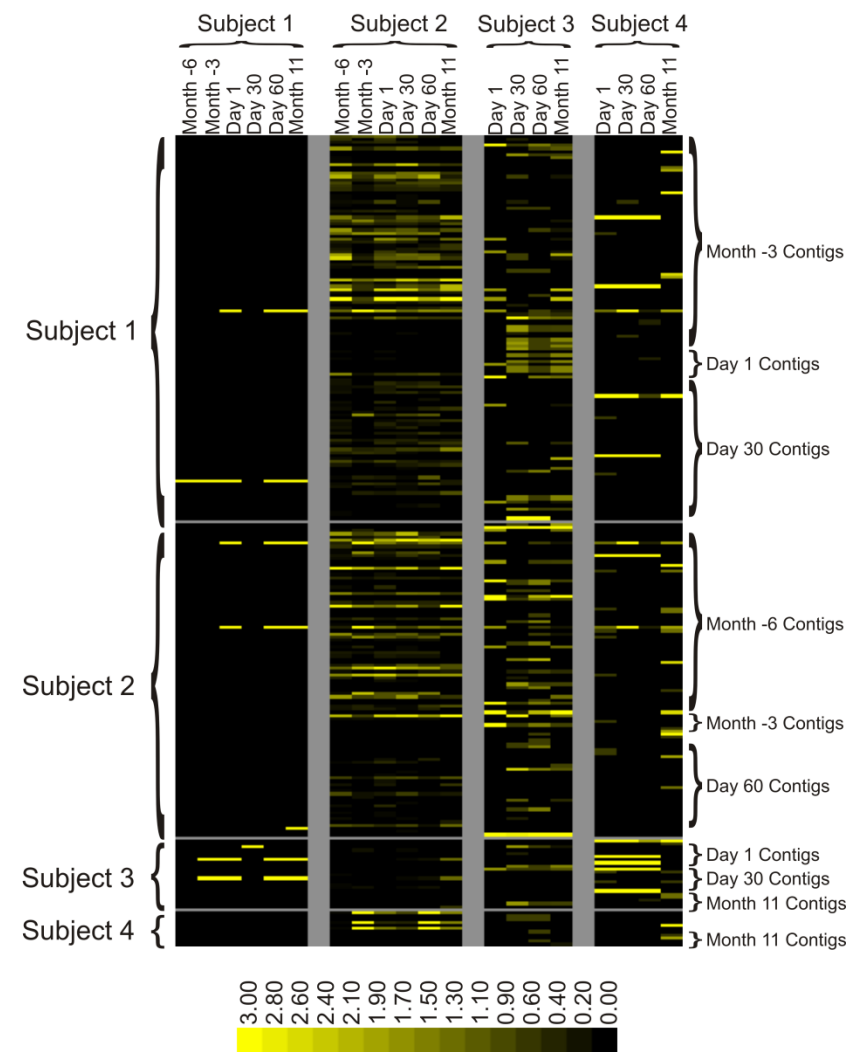
■ Subject 4

# Supplemental Figure 11

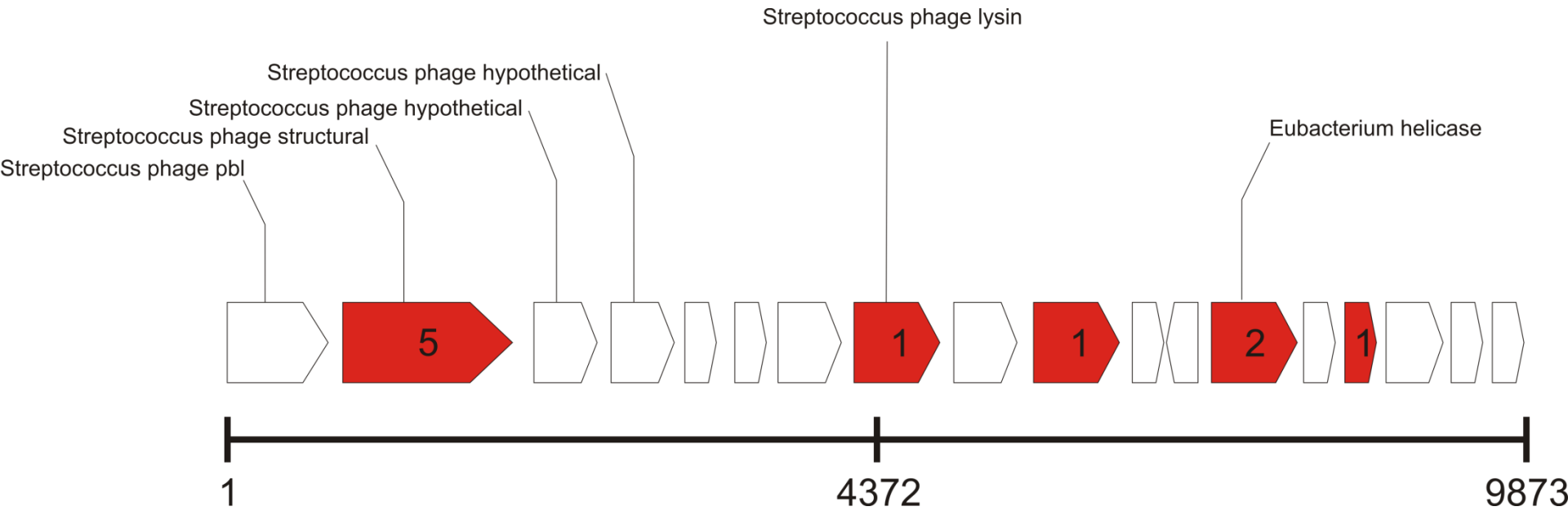
## A. SGI Spacer-Read Matches



## B. SGI Spacer-Read Matches



# Supplemental Figure 12



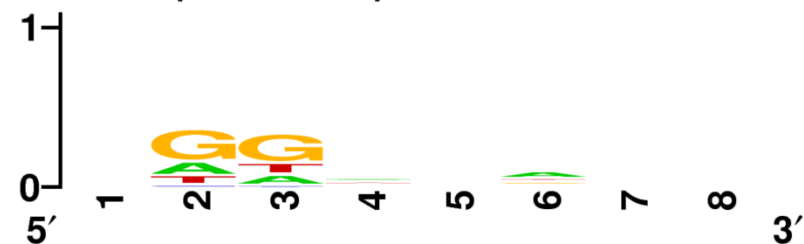
# Supplemental Figure 13

## SGI Spacers

A. Group I 5' Sequence

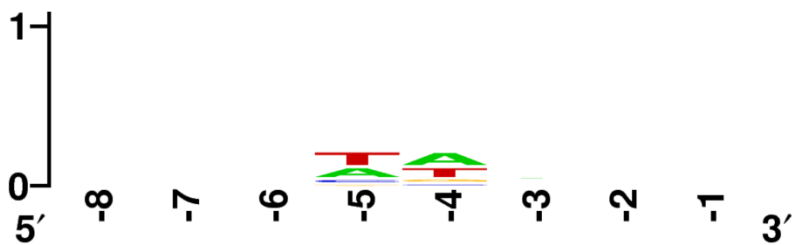


B. Group I 3' Sequence



## SGII Spacers

C. Group II 5' Sequence



D. Group II 3' Sequence

