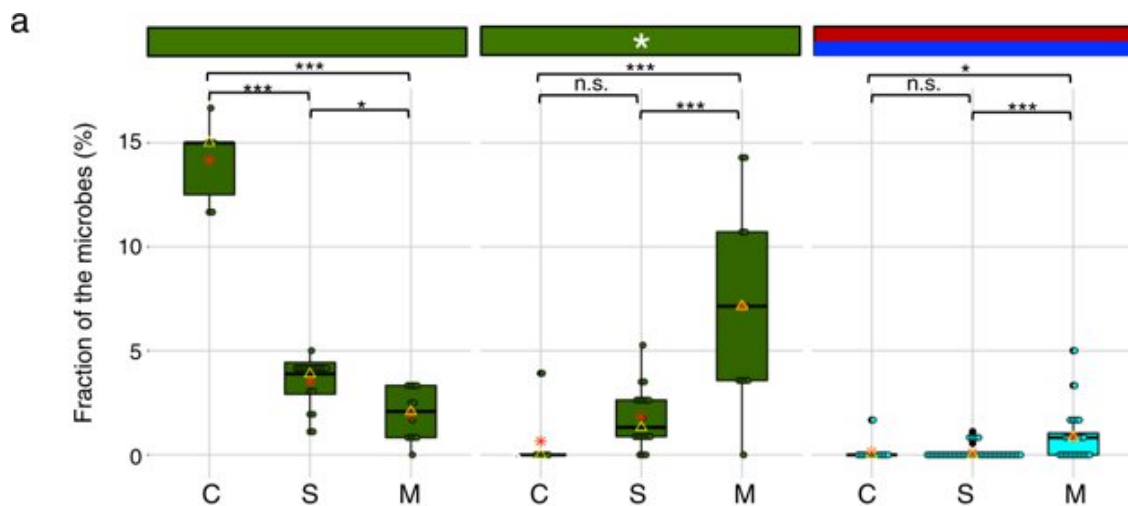


Transient and long-term disruption of gut microbes after antibiotics

October 22 2019, by Jeff Hansen



b

	1	2	3	4	5	9	10	11	12	13	14	15	17	18	19	20	21	22
<i>Alistipes onderdonkii</i>	★							★				★		★	★			
<i>Alistipes putredinis</i>							★											
<i>Alistipes shahii</i>								★	★			★	★	★				
<i>Bacteroides ovatus</i>	★		★	★	★							★	★					★
<i>Bacteroides uniformis</i>	★		★	★		★		★					★		★	★	★	★
<i>Bacteroides vulgatus</i>	★		★					★				★		★				
<i>Eubacterium rectale</i>				★	★					★	★	★	★	★	★			★
<i>Faecalibacterium prausnitzii</i> SL3								★			★	★	★					★
<i>Parabacteroides merdae</i>	★	★					★	★			★							
<i>Parabacteroides</i> sp. D13							★	★			★			★				

c

	1	2	3	4	5	6	7	8	9	10	11	12
<i>Alistipes onderdonkii</i>	★	★	★	★					★	★	★	
<i>Alistipes putredinis</i>					★	★			★		★	★
<i>Alistipes shahii</i>		★		★					★		★	★
<i>Bacteroides ovatus</i>	★				★			★				
<i>Bacteroides uniformis</i>			★				★	★	★	★	★	★
<i>Bacteroides vulgatus</i>	★	★	★					★			★	★
<i>Eubacterium rectale</i>	★					★			★	★	★	★
<i>Faecalibacterium prausnitzii</i> SL3	★	★	★	★	★	★		★	★		★	★
<i>Parabacteroides merdae</i>	★							★			★	
<i>Parabacteroides</i> sp. D13			★	★	★				★	★		

Summarized WSS scores. The top 10 species that were abundant across all individuals ($n = 36$) from the three data sets (control and single antibiotic data sets from Raymond et al.,⁸ and multiple antibiotics data set from Palleja et al.⁹) were selected to compare the WSS scores between every possible pair of samples per each individual. The boxplots show the fraction of the top 10 species of each data set (C = control, S = single antibiotic, and M = multiple antibiotics) that fall into the respective color box group indicated by the horizontal color-coded bars (colors described in the main text). Values from the red and blue color box groups were merged to represent a single boxplot per each data set. The boxplots display a median (a yellow triangle), a mean (a red asterisk), interquartile range boxes. Each dot in the boxplot represents a value observed per individual in each data set, and the whiskers of the box are extended to the lowest and highest value observed in each data set. Significant differences (P value

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