

**Relevance of secretor status genotype and microbiota composition in susceptibility to rotavirus and norovirus infections in humans**

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**Supplementary material**

## Supplementary material

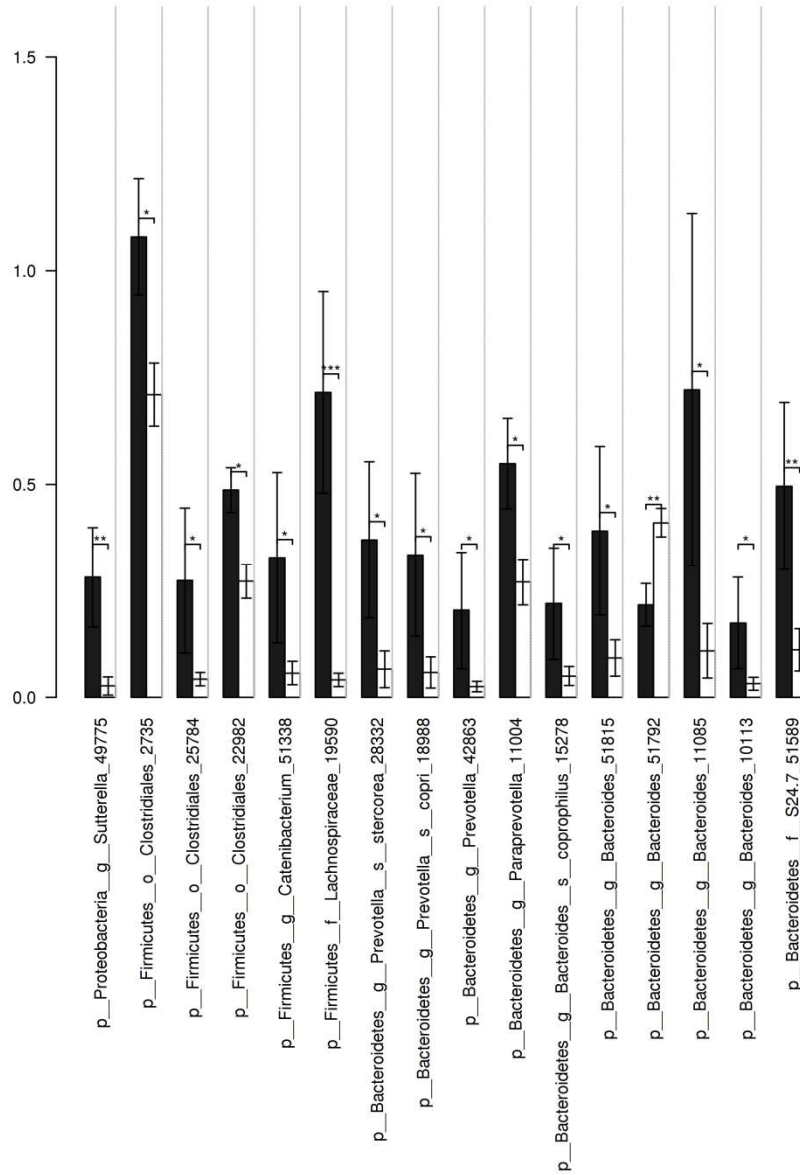
**Figure S1.** AnovaPlot with the significant OTU relative abundances between Secretor (n=28) and non-secretor (n=7) individuals. Bars represents the mean of the relative abundances with the standard error. The asterisk indicates the presence of significant differences ( $p < 0.05$ ).

**Figure S2.** AnovaPlot with the significant OTU relative abundances between FUT2<sup>+/+</sup> (n=9), FUT2<sup>+/-</sup> (n=19) and FUT2<sup>-/-</sup> (n=7). The asterisk indicates the presence of significant differences ( $p < 0.05$ ).

**Figure S3.** Rarefaction curves based on Chao1 and Shannon indexes in secretor and non-secretor (Panel A and B) and also, in the FUT2 genotypes (Panel C and D). Rarefaction curves are calculated for each sample based on the OTU computations at 97% of homology.

**Figure S4.** Determination of the differences in the global community (ANOSIM test) (panel A) and bacterial diversity and richness between women and men participating in the study (panel B).

OTU (p<0.05, anova)

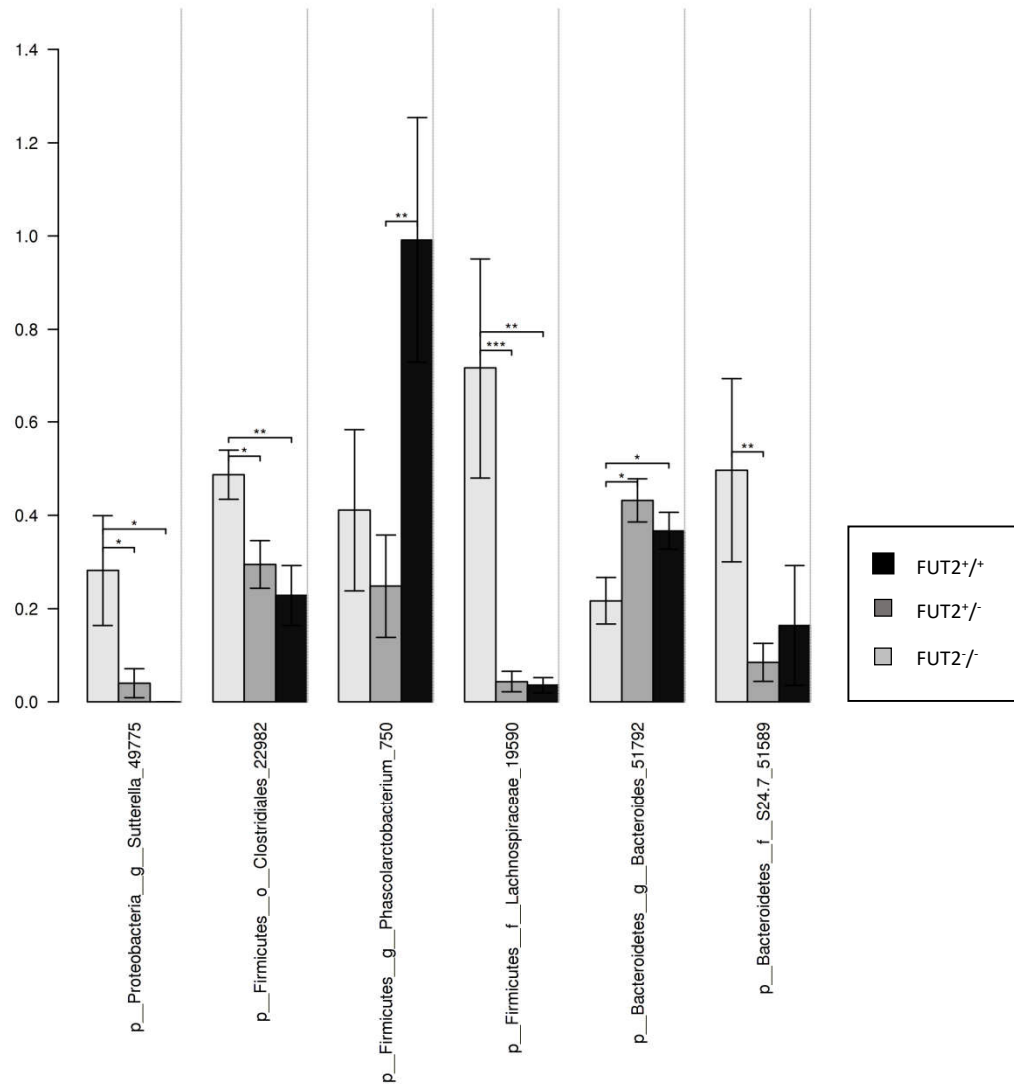


□ Secretors  
 ■ Non-secretors

Taxa	P
p__Firmicutes_f__Lachnospiraceae_19590	0.000007
p__Proteobacteria_g__Sutterella_49775	0.001400
p__Bacteroidetes_g__Bacteroides_51792	0.007100
p__Bacteroidetes_f__S24.7_51589	0.008700
p__Firmicutes_o__Clostridiales_22982	0.011000
p__Bacteroidetes_g__Bacteroides_11085	0.018000
p__Firmicutes_o__Clostridiales_25784	0.019000
p__Bacteroidetes_g__Prevotella_s__stercora_28332	0.021000
p__Bacteroidetes_g__Paraprevotella_11004	0.021000
p__Firmicutes_o__Clostridiales_2735	0.023000
p__Bacteroidetes_g__Prevotella_42863	0.024000
p__Firmicutes_g__Catenibacterium_51338	0.026000
p__Bacteroidetes_g__Prevotella_s__copri_18988	0.029000
p__Bacteroidetes_g__Bacteroides_51815	0.029000
p__Bacteroidetes_g__Bacteroides_10113	0.031000
p__Bacteroidetes_g__Bacteroides_s__coprophilus_15278	0.041000
p__Bacteroidetes_f__S24.7_40924	0.053000
p__Firmicutes_o__Clostridiales_13842	0.054000
p__Firmicutes_f__Christensenellaceae_5674	0.066000

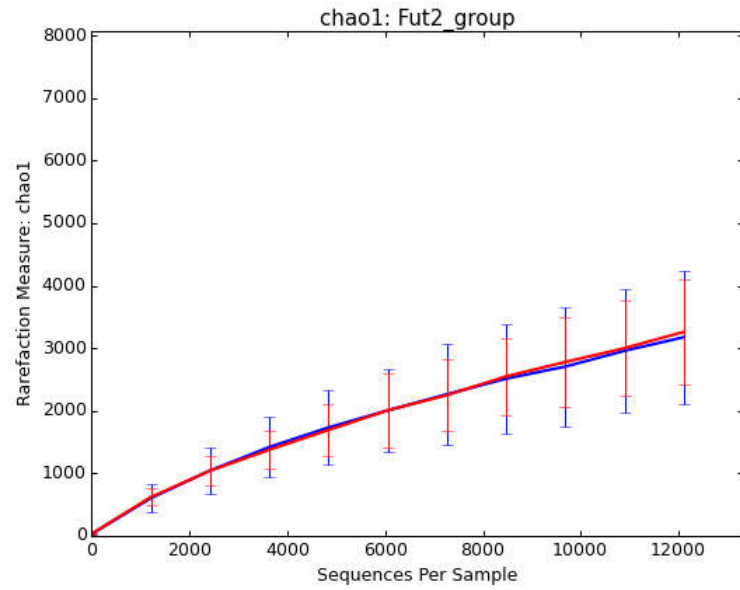
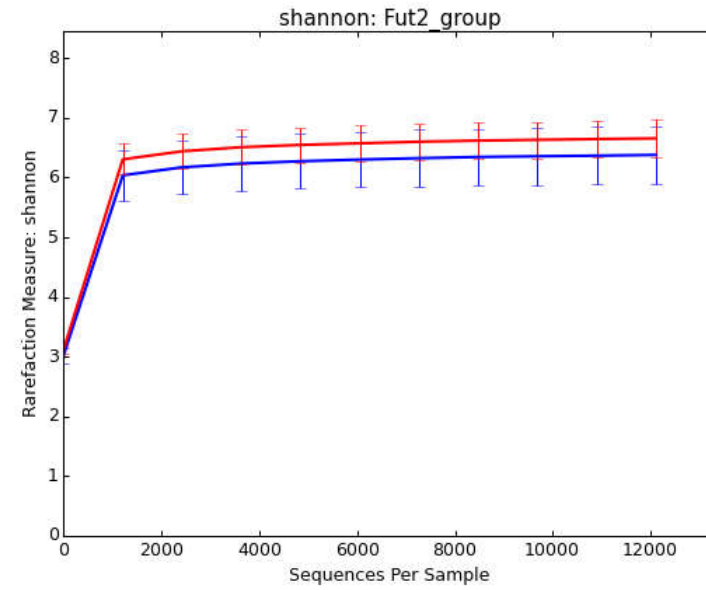
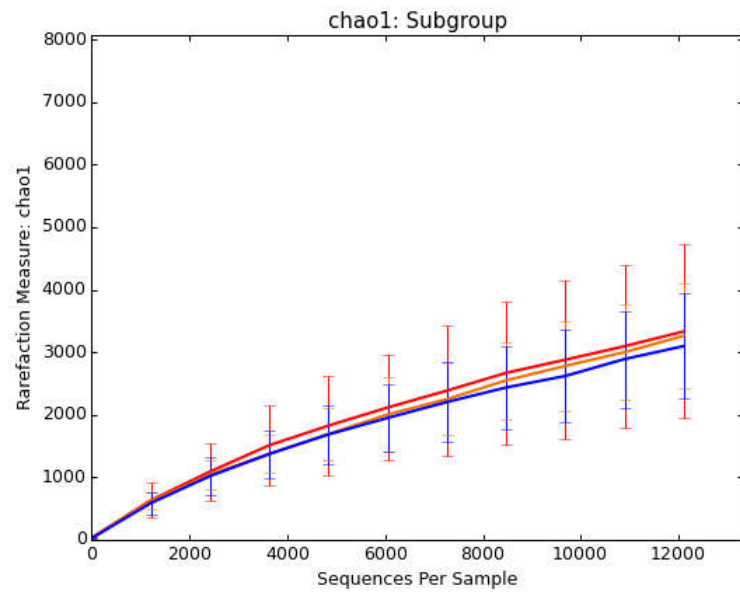
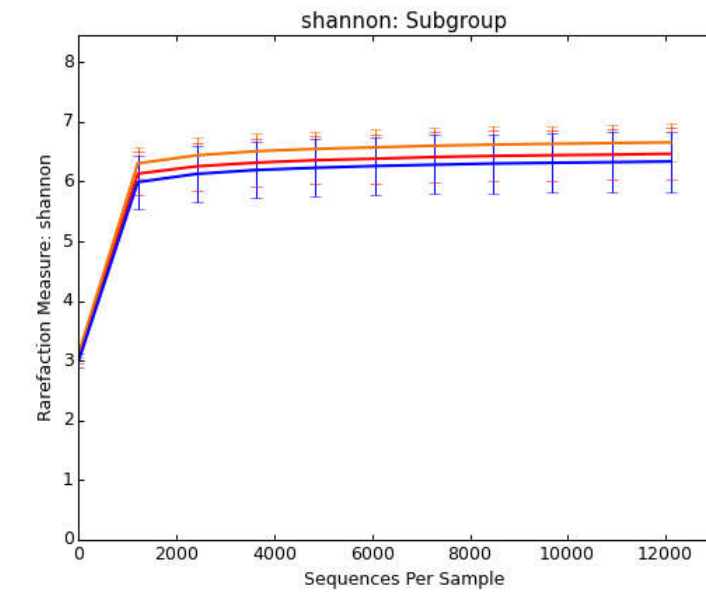
Figure S1

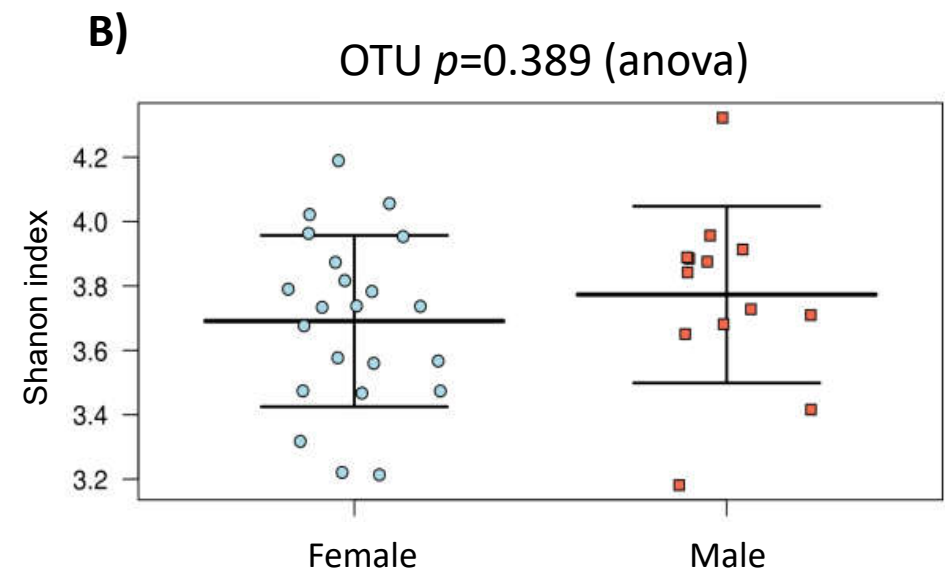
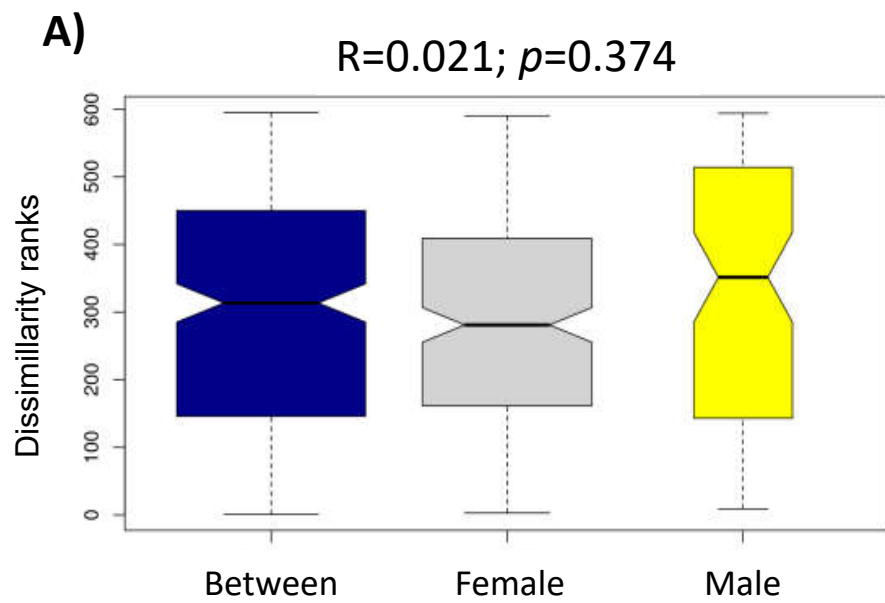
OTU (p<0.05, anova)



Taxa	P
p__Firmicutes__f__Lachnospiraceae_19590	0.000050
p__Proteobacteria__g__Sutterella_49775	0.005600
p__Firmicutes__g__Phascolarctobacterium_750	0.011000
p__Bacteroidetes__g__Bacteroides_51792	0.018000
p__Firmicutes__o__Clostridiales_22982	0.029000
p__Bacteroidetes__f__S24.7_51589	0.029000

Figure S2

**A)****B)****C)****D)****Figure S3**



**Figure S4**