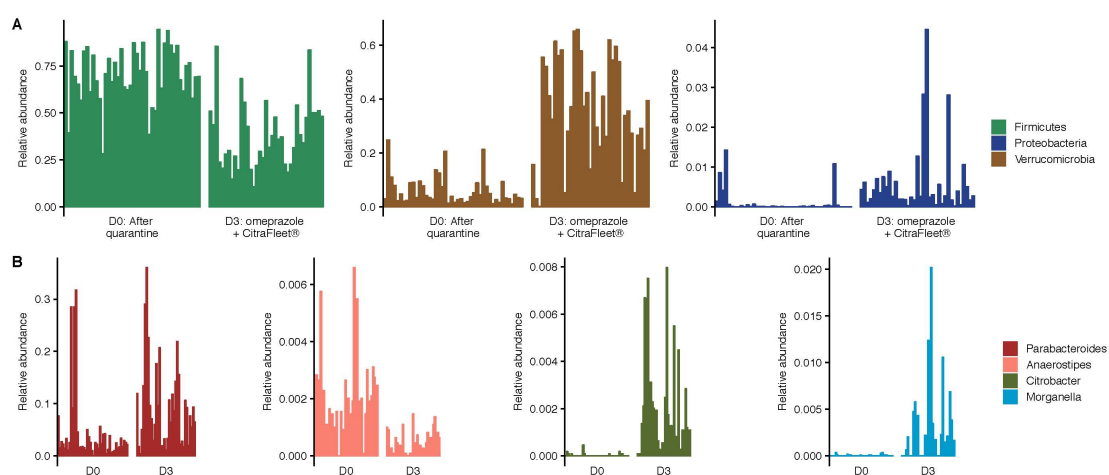
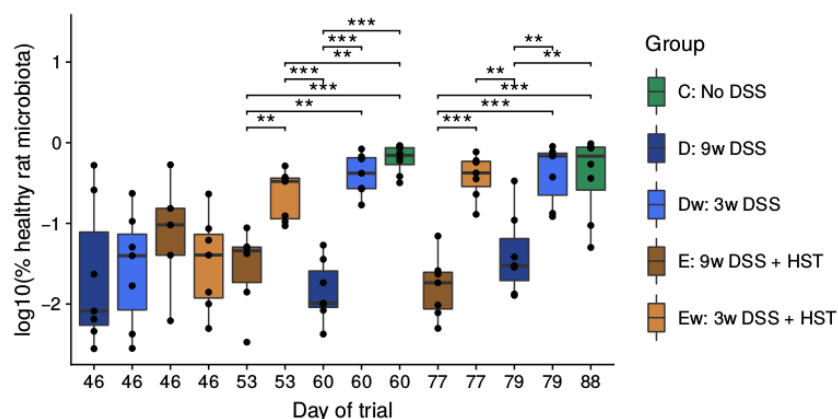


**Supplementary Table S1. DAI score evaluation**

Weight loss	Score	Blood in stool	Score	Stool consistency	Score
<1%	0	Absence	0	Normal	0
1-5%	1		1	Soft stools	1
5-10%	2	Slight bleeding	2	Loose stools	2
10-15%	3		3	Mild diarrhea	3
>15%	4	Gross bleeding	4	Watery diarrhea	4



**Supplementary Figure S1. Effect of omeprazole followed by CitraFleet® on the faecal microbiome of rats in groups B-OM-CIT, C-HST1, D-DSS, Dw-DSS, E-HST2 and Ew-HST2.** Comparisons were made between the day after quarantine (day 0) and the day after the first CitraFleet® administration (day 3). (A) At the phylum level. (B) At the genus level. Only significant changes in the relative abundance of different phyla and among the top 4 genera are shown (pairwise Wilcoxon signed rank test, FDR < 0.05).



**Supplementary Figure S2. Proportion of predicted healthy microbiota in rats allocated to groups C (C-HST), D (D-DSS), Dw (Dw-DSS), E (E-HST2) and Ew (Ew-HST2), using the SourceTracker software.** Significant differences were found between rat groups receiving DSS until the end of the trial and groups for which DSS was withdrawn (Mann-Whitney U test; p<0.05)