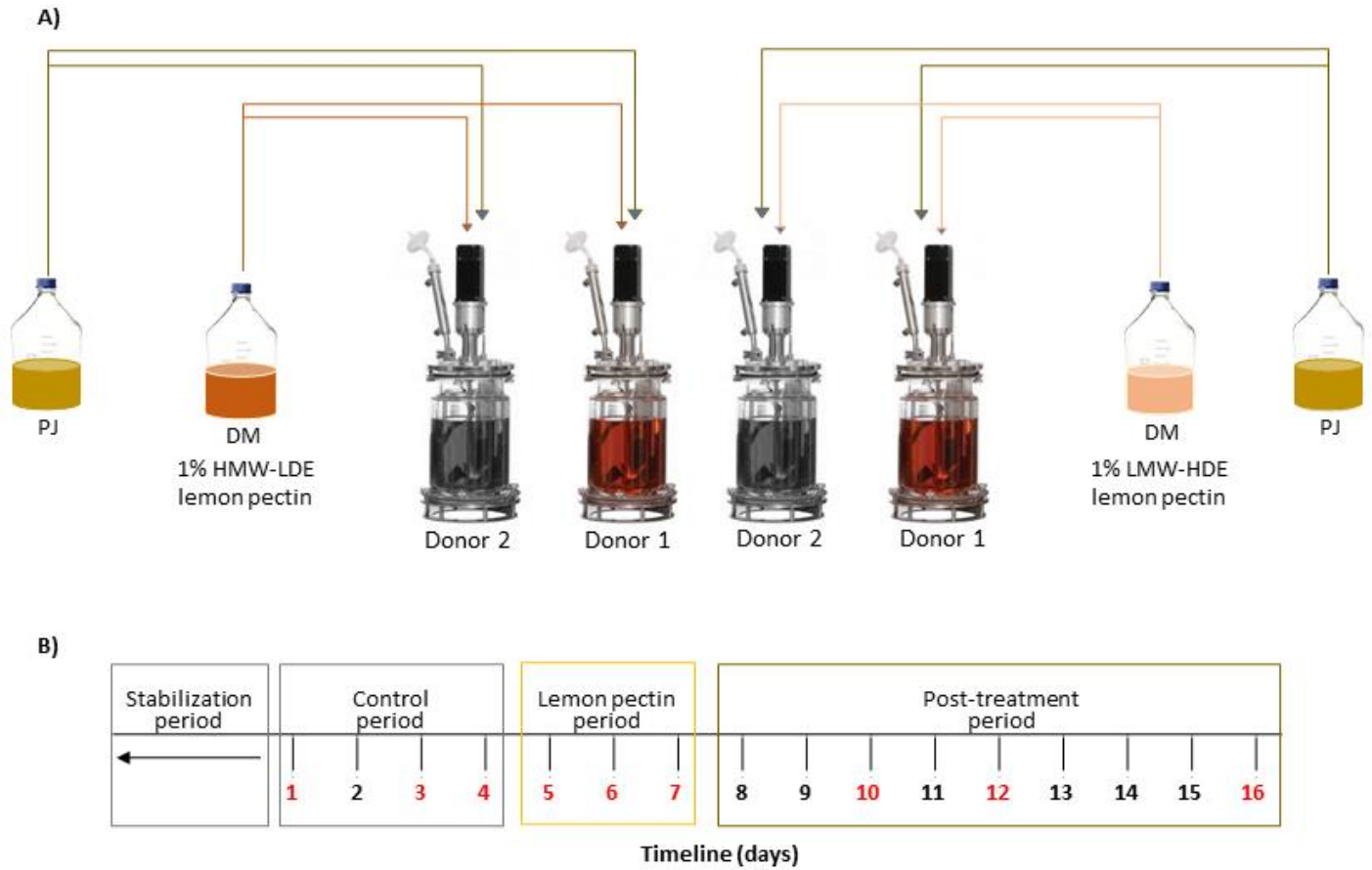
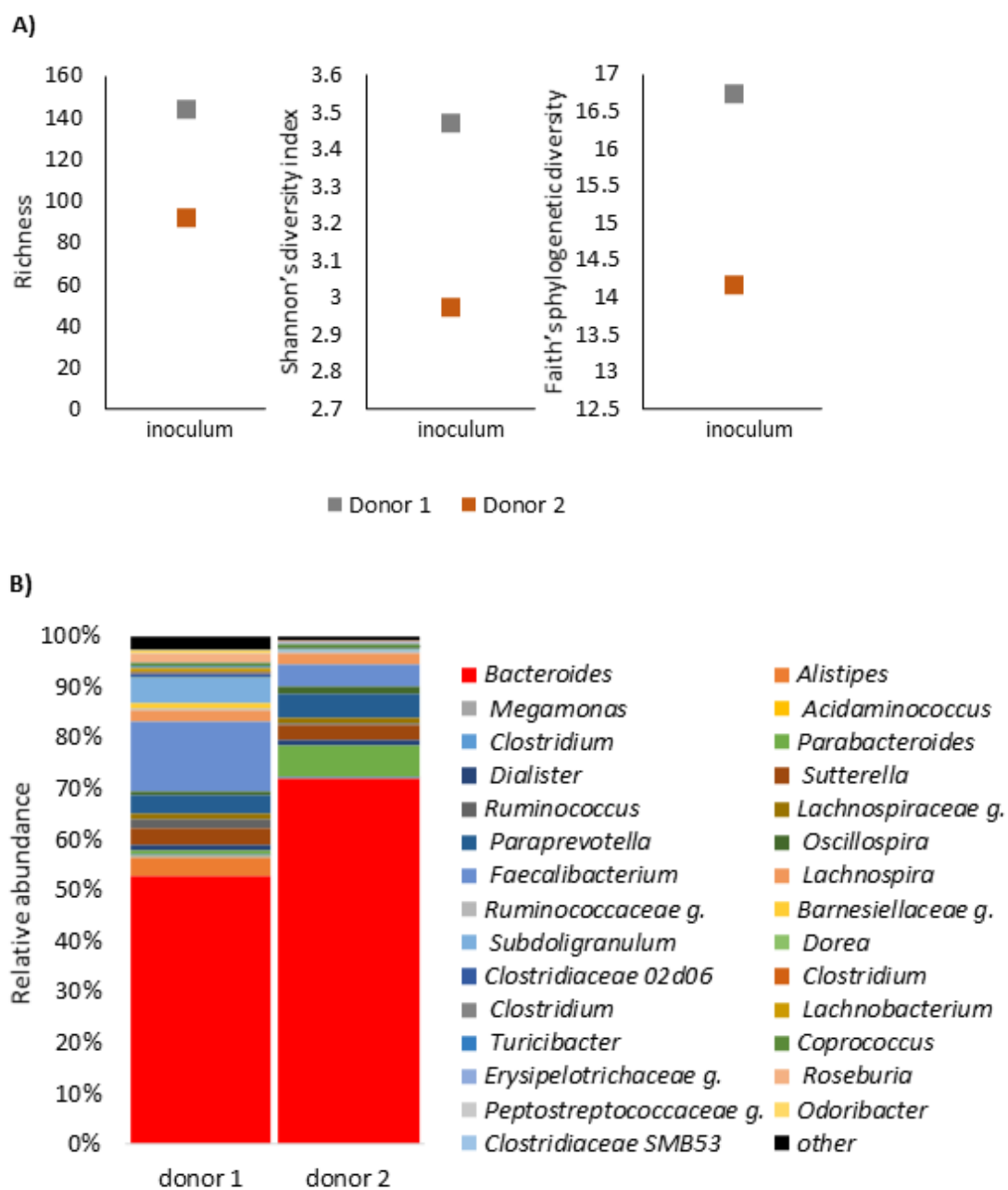


Supplementary Figure S1.



Supplementary Figure S1. Experimental design. A) Schematic of experimental set-up. B) Timeline for the experiment.

Supplementary Figure S2.



Supplementary Figure S2. Taxonomic composition of the fecal homogenates used for *in vitro* cultivation. A) Alpha diversity of each inoculum based on richness, Shannon's diversity index, and Faith's phylogenetic diversity. B) Relative abundance of genera present at greater than 0.1% abundance based on 16S rRNA gene sequencing.

Supplementary Table S1.

	M _w kDa*	GA, %**	DE, %***
Lemon pectin 1 (LMW-HDE)	122	64.7	66
Lemon pectin 2 (HMW-LDE)	308	69.0	31

* The average molar weight

** Galacturonic acid content

*** Degree of esterification