

SUPPLEMENTARY MATERIAL 2. Table S1a; Table S1b and Table S1c

Table S1a: Phyla abundance (%) in groups G2, G4 and G5 at week 16.

Phylum	G2 16w Abundance	G4 16w Abundance	G5 16w Abundance
<i>Firmicutes</i>	61.1140%	58.9661%	60.5420%
<i>Bacteroidetes</i>	34.3401%	36.1905%	35.6117%
<i>Proteobacteria</i>	1.3200%	1.1671%	1.3143%
<i>Verrucomicrobia</i>	1.0651%	1.1755%	0.3401%
<i>Patescibacteria</i>	0.6014%	0.5012%	0.4671%
<i>Cyanobacteria</i>	0.5318%	0.8072%	0.8060%
<i>Epsilonbacteraeota</i>	0.4986%	0.4881%	0.4610%
<i>Deferribacteres</i>	0.2077%	0.1443%	0.1117%
<i>Tenericutes</i>	0.1619%	0.3702%	0.1901%
<i>Actinobacteria</i>	0.1237%	0.1276%	0.0840%
<i>Elusimicrobia</i>	0.0294%	0.0507%	0.0685%
<i>Chloroflexi</i>	0.0023%	0.0021%	0.0005%
<i>Planctomycetes</i>	0.0015%	0.0030%	0.0010%
<i>Lentisphaerae</i>	0.0008%	0.0019%	0.0012%
<i>Deinococcus-Thermus</i>	0.0008%	0.0008%	0.0002%
<i>Fusobacteria</i>	0.0005%	0.0017%	0.0005%
<i>Spirochaetes</i>	0.0003%	0.0004%	0.0000%
WPS-2	0.0003%	0.0004%	0.0000%
<i>Synergistetes</i>	0.0000%	0.0006%	0.0002%
<i>Euryarchaeota</i>	0.0000%	0.0002%	0.0000%
<i>Gemmatimonadetes</i>	0.0000%	0.0004%	0.0000%

Table S1b. Abundance (%) of the 25 most represented families in groups G2, G4 and G5 at week 16.

Family	G2 16w Abundance	G4 16w Abundance	G5 16w Abundance
<i>Ruminococcaceae</i>	32.2645%	32.2150%	31.4767%
<i>Muribaculaceae</i>	26.1638%	25.0165%	28.0887%
<i>Lachnospiraceae</i>	26.7086%	25.1470%	27.3458%
<i>Prevotellaceae</i>	5.5302%	6.1110%	4.2255%
<i>Rikenellaceae</i>	1.1679%	1.5924%	1.1451%
<i>Marinifilaceae</i>	0.7895%	2.2631%	0.8465%
<i>Desulfovibrionaceae</i>	1.1578%	0.9331%	1.2065%
<i>Lactobacillaceae</i>	1.4827%	0.4334%	0.7164%
<i>Akkermansiaceae</i>	1.0615%	1.1690%	0.3382%
uncultured bacterium-04	0.5132%	0.7858%	0.7921%
<i>Peptococcaceae</i>	0.1431%	0.1327%	0.2316%
<i>Deferribacteraceae</i>	0.2077%	0.1443%	0.1117%
<i>Erysipelotrichaceae</i>	0.1483%	0.1846%	0.0607%
uncultured-04	0.0845%	0.1204%	0.0651%
Family XIII	0.0847%	0.0956%	0.0784%
<i>Christensenellaceae</i>	0.0347%	0.0790%	0.0573%
<i>Bifidobacteriaceae</i>	0.0757%	0.0394%	0.0393%
<i>Elusimicrobiaceae</i>	0.0294%	0.0507%	0.0685%
<i>Eggerthellaceae</i>	0.0274%	0.0530%	0.0369%

Table S1c. Abundance (%) of the 25 most represented genera in groups G2, G4 and G5 at week 16.

Genus	G2 16w Abundance	G4 16w Abundance	G5 16w Abundance
uncultured bacterium-07	24.3150%	23.3357%	26.5622%
<i>Lachnospiraceae</i> NK4A136 group	11.9858%	8.3200%	9.2022%
uncultured-15	8.0207%	6.6331%	8.5004%
<i>Ruminococcaceae</i> UCG-014	6.1045%	9.8599%	6.2366%
uncultured-13	6.0374%	7.3492%	5.7860%
<i>Ruminiclostridium</i> 6	4.4788%	2.7187%	3.9563%
<i>Alloprevotella</i>	3.3918%	3.7775%	2.4781%
<i>Ruminococcus</i> 1	3.6513%	2.9065%	2.6891%
[<i>Eubacterium</i>] <i>ruminantium</i> group	1.0158%	3.2178%	4.5707%
[<i>Eubacterium</i>] <i>xylanophilum</i> group	2.3961%	2.4045%	2.3492%
<i>Ruminiclostridium</i>	2.2294%	2.3297%	2.2727%
<i>Prevotellaceae</i> UCG-001	2.0700%	2.2529%	1.6777%
<i>Oscillibacter</i>	1.3509%	2.0529%	2.1977%
<i>Ruminiclostridium</i> 9	1.6275%	1.8435%	1.4864%
<i>Coproccoccus</i> 2	1.5672%	1.2512%	0.9674%
<i>Alistipes</i>	1.0967%	1.5048%	1.0648%
<i>Muribaculum</i>	1.3713%	1.1374%	1.0453%
<i>Odoribacter</i>	0.4991%	2.0493%	0.6028%
uncultured-26	1.0339%	0.8443%	1.1085%
<i>Lactobacillus</i>	1.4827%	0.4334%	0.7164%
<i>Akkermansia</i>	1.0615%	1.1690%	0.3382%
<i>Ruminococcaceae</i> UCG-003	0.7525%	0.8479%	0.9565%
<i>Anaerosporebacter</i>	0.1742%	0.6402%	1.7251%
uncultured bacterium-19	0.5132%	0.7858%	0.7921%
CAG-352	1.5365%	0.3707%	0.0097%