**Supplementary Data S1** Presence of bacterial taxonomic groups that were found to be most abundant in Henderson et al. (*4*) and appear also in the current study. Overall, out of 126 most abundant bacterial group defined as genera or higher taxon with unclassified genera that were identified by Henderson et al. (*4*), 119 had representatives in our current study. Importantly, the 30 most abundant species had representatives in the present study; these bacterial groups are marked in bold font.

|  |  |
| --- | --- |
| **Taxonomic group** | **Presence in current study** |
| g\_\_Corynebacterium | Present |
| **f\_\_Coriobacteriaceae** | **Present** |
| g\_\_Adlercreutzia | Present |
| **o\_\_Bacteroidales** | **Present** |
| **f\_\_BS11** | **Present** |
| **g\_\_BF311** | **Present** |
| g\_\_Bacteroides | Present |
| f\_\_Marinilabiaceae | Absent |
| f\_\_Porphyromonadaceae | Present |
| g\_\_Dysgonomonas | Present |
| g\_\_Paludibacter | Present |
| g\_\_Parabacteroides | Present |
| f\_\_Prevotellaceae | Present |
| **g\_\_Prevotella** | **Present** |
| **f\_\_RF16** | **Present** |
| **f\_\_S24-7** | **Present** |
| **f\_\_[Paraprevotellaceae]** | **Present** |
| **g\_\_CF231** | **Present** |
| **g\_\_YRC22** | **Present** |
| g\_\_[Prevotella] | Present |
| f\_\_p-2534-18B5 | Present |
| **g\_\_SHD-231** | **Present** |
| **o\_\_YS2** | **Present** |
| f\_\_Elusimicrobiaceae | Present |
| c\_\_Endomicrobia | Present |
| **g\_\_Fibrobacter** | **Present** |
| o\_\_Lactobacillales | Present |
| g\_\_Aerococcus | Present |
| g\_\_Carnobacterium | Present |
| g\_\_Desemzia | Present |
| g\_\_Trichococcus | Present |
| g\_\_Enterococcus | Present |
| g\_\_Vagococcus | Present |
| g\_\_Lactobacillus | Present |
| g\_\_Pediococcus | Present |
| f\_\_Leuconostocaceae | Present |
| g\_\_Leuconostoc | Present |
| g\_\_Lactococcus | Present |
| g\_\_Streptococcus | Present |
| g\_\_Turicibacter | Present |
| c\_\_Clostridia | Present |
| **o\_\_Clostridiales** | **Present** |
| **f\_\_Christensenellaceae** | **Present** |
| f\_\_Clostridiaceae | Present |
| g\_\_02d06 | Present |
| **g\_\_Clostridium** | **Present** |
| g\_\_Proteiniclasticum | Absent |
| g\_\_Pseudoramibacter\_Eubacterium | Present |
| **f\_\_Lachnospiraceae** | **Present** |
| g\_\_Anaerostipes | Present |
| g\_\_Blautia | Present |
| **g\_\_Butyrivibrio** | **Present** |
| **g\_\_Coprococcus** | **Present** |
| g\_\_Dorea | Present |
| g\_\_Epulopiscium | Present |
| g\_\_Lachnospira | Present |
| g\_\_Moryella | Present |
| **g\_\_Pseudobutyrivibrio** | **Present** |
| g\_\_Roseburia | Present |
| g\_\_Shuttleworthia | Present |
| g\_\_[Ruminococcus] | Present |
| f\_\_Peptostreptococcaceae | Present |
| g\_\_Peptostreptococcus | Present |
| **f\_\_Ruminococcaceae** | **Present** |
| g\_\_Oscillospira | Present |
| **g\_\_Ruminococcus** | **Present** |
| **f\_\_Veillonellaceae** | **Present** |
| g\_\_Acidaminococcus | Present |
| g\_\_Anaerovibrio | Present |
| g\_\_Dialister | Present |
| g\_\_Megasphaera | Present |
| g\_\_Phascolarctobacterium | Absent |
| g\_\_Schwartzia | Present |
| g\_\_Selenomonas | Present |
| g\_\_Sporomusa | Present |
| **g\_\_Succiniclasticum** | **Present** |
| **f\_\_[Mogibacteriaceae]** | **Present** |
| **g\_\_Mogibacterium** | **Present** |
| f\_\_[Tissierellaceae] | Present |
| g\_\_Tissierella\_Soehngenia | Absent |
| f\_\_Erysipelotrichaceae | Present |
| g\_\_Bulleidia | Present |
| g\_\_Erysipelothrix | Present |
| g\_\_L7A\_E11 | Present |
| g\_\_RFN20 | Present |
| g\_\_Sharpea | Present |
| g\_\_[Eubacterium] | Present |
| g\_\_p-75-a5 | Present |
| g\_\_Fusobacterium | Present |
| f\_\_Leptotrichiaceae | Present |
| g\_\_Leptotrichia | Absent |
| f\_\_Victivallaceae | Present |
| f\_\_R4-45B | Present |
| f\_\_Pirellulaceae | Present |
| c\_\_Alphaproteobacteria | Present |
| o\_\_RF32 | Present |
| o\_\_Rickettsiales | Present |
| g\_\_Sutterella | Present |
| g\_\_Pelobacter | Absent |
| f\_\_0319-6G20 | Present |
| g\_\_Arcobacter | Present |
| g\_\_Campylobacter | Present |
| **f\_\_Succinivibrionaceae** | **Present** |
| g\_\_Ruminobacter | Present |
| g\_\_Succinivibrio | Present |
| f\_\_Enterobacteriaceae | Absent |
| g\_\_Klebsiella | Present |
| g\_\_Serratia | Present |
| p\_\_SR1 | Present |
| o\_\_PL-11B10 | Present |
| g\_\_Sphaerochaeta | Present |
| f\_\_Spirochaetaceae | Present |
| **g\_\_Treponema** | **Present** |
| g\_\_Pyramidobacter | Present |
| g\_\_TG5 | Present |
| **f\_\_F16** | **Present** |
| c\_\_Mollicutes | Present |
| f\_\_Anaeroplasmataceae | Present |
| g\_\_Anaeroplasma | Present |
| f\_\_Mycoplasmataceae | Present |
| **o\_\_RF39** | **Present** |
| o\_\_ML615J-28 | Present |
| o\_\_HA64 | Present |
| o\_\_LD1-PB3 | Present |
| o\_\_WCHB1-41 | Present |
| p\_\_WPS-2 | Present |