NDF OTU165 Prevotellaceae_unclassified OTU165_Prevotellaceae_unclassified OTU39_Ruminococcaceae_unclassified OTU24 Cloacibacillus OTU365 Neisseriaceae unclassified OTU313 Methanomassiliicoccus OTU313 Methanomassiliicoccus OTU39 Ruminococcaceae unclassified OTU365 Neisseriaceae unclassified OTU154_Methanomassiliicoccus OTU154 Methanomassiliicoccus OTU6 Prevotella 0.48 OTU39 Ruminococcaceae unclassified OTU296_Clostridiales_unclassified OTU5_Sphingobacteriaceae_unclassified OTU60 Prevotella OTU5 Sphingobacteriaceae unclassified OTU148 Lachnospiraceae unclassified OTU111 Methanomassiliicoccus OTU111 Methanomassiliicoccus OTU119 Prevotella OTU119_Prevotella OTU60 Prevotella OTU60_Prevotella OTU365 Neisseriaceae unclassified OTU24 Cloacibacillus OTU114 Megasphaera 0.36 OTU5 Sphingobacteriaceae unclassified OTU154 Methanomassiliicoccus OTU6_Prevotella OTU79 Neisseriaceae unclassified OTU313 Methanomassiliicoccus OTU539_Clostridiales_unclassified OTU99 Elusimicrobium OTU119 Prevotella OTU24 Cloacibacillus OTU90 Bacteroidetes unclassified OTU55 Sphaerochaeta OTU296_Clostridiales_unclassified • OTU55 Sphaerochaeta OTU79 Neisseriaceae unclassified OTU111 Methanomassiliicoccus OTU55_Sphaerochaeta OTU396 Proteobacteria unclassified OTU222 Firmicutes unclassified OTU290_Bacteroidetes_unclassified OTU114 Megasphaera OTU104 Prevotella 0.36 0.29 OTU132 Pyramidobacter OTU94 Clostridiales unclassified OTU79 Neisseriaceae unclassified OTU296 Clostridiales unclassified OTU90 Bacteroidetes unclassified OTU87 Butyrivibrio OTU330 Firmicutes unclassified OTU279 Clostridiales unclassified 0.46 OTU396_Proteobacteria_unclassified OTU169_Bacteroidetes_unclassified OTU93_Treponema OTU290_Bacteroidetes_unclassified OTU6 Prevotella OTU178 Bacteroides OTU270 Bibersteinia OTU89 Bacteroidetes unclassified OTU385 Moraxella OTU132 Pyramidobacter OTU168 Methanomicrobium OTU281 Bacteroidetes unclassified OTU298 Pyramidobacter OTU298 Pyramidobacter OTU266 Porphyromonadaceae unclassified -0.54 OTU99 Elusimicrobium OTU279 Clostridiales unclassified OTU217_Bacteroidetes_unclassified OTU90_Bacteroidetes_unclassified OTU422 Porphyromonadaceae unclassified Mathematical Prevotellaceae_unclassified

OTU62 Prevotellaceae_unclassified OTU57 Prevotella 0.18 OTU506_Bacteria_unclassified OTU148 Lachnospiraceae unclassified OTU281 Bacteroidetes unclassified OTU387_Bacteroidetes_unclassified OTU33 Bacteroidetes unclassified OTU94 Clostridiales unclassified OTU548 Bifidobacterium OTU75 Ruminococcaceae_unclassified OTU139 Bacteroidetes unclassified OTU327 Clostridium.XIVa OTU99 Elusimicrobium OTU83 Bacteroidales unclassified OTU217_Bacteroidetes_unclassified OTU192 Methanimicrococcus OTU287 Pasteurellaceae unclassified OTU75_Ruminococcaceae_unclassified OTU89 Bacteroidetes unclassified OTU89 Bacteroidetes unclassified OTU385 Moraxella OTU487 Firmicutes unclassified OTU74 Treponema 0.38 OTU94 Clostridiales unclassified OTU330_Firmicutes_unclassified OTU208_Bacteria_unclassified OTU178 Bacteroides OTU330 Firmicutes unclassified OTU290 Bacteroidetes unclassified OTU411 Clostridia unclassified OTU422 Porphyromonadaceae unclassified OTU13 Prevotella 0.33 OTU139_Bacteroidetes_unclassified OTU477_Ruminococcaceae_unclassified OTU22_Succiniclasticum 0.41 OTU245 Clostridiales unclassified OTU182 Bacteroidetes unclassified OTU392 Bilophila OTU147 Bacteroidales unclassified OTU190_Sphaerochaeta OTU190_Sphaerochaeta OTU487_Firmicutes_unclassified OTU387_Bacteroidetes_unclassified OTU208 Bacteria unclassified OTU287 Pasteurellaceae unclassified OTU147 Bacteroidales unclassified OTU327 Clostridium.XIVa OTU13 Prevotella OTU506_Bacteria_unclassified OTU464_Burkholderiales_unclassified OTU219 Bacteroidetes unclassified OTU139 Bacteroidetes unclassified OTU245_Clostridiales_unclassified ጩ OTU392 Bilophila OTU413 Clostridium.XIVb OTU147_Bacteroidales_unclassified OTU208 Bacteria unclassified OTU270 Bibersteinia OTU506 Bacteria unclassified OTU281 Bacteroidetes unclassified OTU392 Bilophila OTU169_Bacteroidetes_unclassified OTU411_Clostridia_unclassified OTU266 Porphyromonadaceae unclassified OTU178 Bacteroides OTU151 Ruminococcaceae unclassified OTU245 Clostridiales unclassified OTU75_Ruminococcaceae_unclassified OTU27 Prevotellaceae unclassified OTU327 Clostridium.XIVa OTU487 Firmicutes unclassified OTU148 Lachnospiraceae_unclassified OTU255 Comamonas OTU192 Methanimicrococcus