*Table S3:* ***Mapping of taxonomic names used in our paper and nearest hits to the corresponding 16S rRNA sequence.*** *Due to the poor resolution of the 16S rRNA region used in our study we manually assigned each OTU to the most precise taxonomic level possible. In some cases a same organism appears in multiple groups, reflecting errors in the underlying database used (RDP version 10.4). For brevity, only ambiguous taxonomic groups are listed.*

|  |  |
| --- | --- |
|  | **Mapping of taxonomic names to database nearest hits** |
|  |  |
| **Taxonomic label** | **Species/genera aggregated** |
| *Haemophilus* | *Haemophilus, Actinobacillus, Terrahaemophilus* |
| *Streptococcus pasteurianus* group | *S. pasteurianus, S. gallolyticus, S. macedonicus, S. lutetiensis, S. infantarius, S. equinus, S. luteciae* |
| *Streptococcus mitis* group | *S. mitis, S. pneumoniae, S. oralis, S. peroris*, *S. pseudopneumoniae, S. australis, S. infantis* |
| *Streptococcus salivarius* group | *S. salivarius, S. vestibularius, S. thermophilus* |
| *Veillonella* | *V. atypica, V. rogosae, V. caviae, V. parvula, V. denticariosi* |
| *Lactobacillus gasseri* | *L. gasseri, L. johnsonii, L. taiwanensis* |
| *Escherichia/Shigella* | *Enterobacter* spp., *Citrobacter* spp., *Shigella* spp., *Escherichia* spp. |
| *Klebsiella* | *Klebsiella* spp., *Cronobacter* spp., *Raoultella* spp., *Enterobacter* spp. |
| *Bacteroides* | *B. fragilis, B. ovatus, B. thetaiotaomicron, B. dorei, B. vulgatus* |
| *Blautia* | *B. wexlerae, B. luti* |
| *Campylobacter* | *C. upsaliensis, C. helveticus, C. jejuni, C. coli, C. insulaenigrae, C. peloridis, C. consisus* |
| *Clostridial cluster XI* | *C. difficile, C. bartletti, C. glycolicum* |
| *Clostridial cluster XIV* | *C. lactatifermitans* |
| *Clostridial cluster XV* | *C. callanderi, C. limosum* |
| *Clostridial cluster XVI* | *C. innocuum* |
| *Clostridial cluster XVIII* | *C. ramosum* |
| *Clostridium sensu stricto* | *C. tertium, C. sartagoforme, C. carnis, C. chauvoei, C. septicum, C. gasigenes, C. paraputrificum, C. saccharobutylicum, C. butyricum, C. disporicum* |
| *Dorea* | *D. formicigenerans, D. xylanolyticum, D. algidixylanolyticum, D. saccharolyticum, D. longicatena* |
| *Enterococcus avium group* | *E. avium, E. gilvus, E. raffinosus, E. devriesei, E. pseudoavium, E. malodoratus, E. mundtii, E. thailandicus, E. hirae, E. durans* |
| *Enterococcus faecium group* | *E. faecium* |
| *Fusobacterium* | *F. nucleatum, F. periodonticum, F. canifelinum, F. alocis* |
| *Gemella* | *G. haemolysans, G. sanguinis, G. morbillorum* |
| *Granulicatella* | *G. adiacens, G. elegans* |
| *Leuconostoc* | *L. lactis, L. holzapfelii, L. carnosum, L. kimchii, L. mesenteroides, L. citreum, L. gasicomitatum* |
| *Mitsuokella/Selenomonas* | *M. multiacida, M. jalaludinii, S. ruminantium* |
| *Neisseria* | *N. subflava, N. flavescens, N. animalis, N. elongata, N. polysaccharea* |
| *Prevotella histicola/melaninogenica* | *P. histicola, P. melaninogenica* |