

Title: Supplementary Data 1

Description: Studies and samples used to construct a meta-dataset composed of 4,347 human stool metagenomes.

Title: Supplementary Data 2

Description: Taxonomic information of the 313 microbial species found to be present across 4,347 stool metagenomes.

Title: Supplementary Data 3

Description: Evidence from recent studies reporting associations between Health-prevalent/- scarce species and human health/disease.

Title: Supplementary Data 4

Description: Studies and samples used to construct the independent validation set composed of 679 human stool metagenomes