

Descriptions of Additional Supplementary Files

Supplementary Data 1

Description: The metadata of the meta-analysis dataset

Supplementary Data 2

Description: The proportion of the top 5 bacterial phyla and top 10 bacterial genera in the overall sample across different sample types

Supplementary Data 3

Description: Identification of bacterial genera with significant inter-phenotype differences in bios samples

Supplementary Data 4

Description: Identification of KEGG pathways with significant inter-phenotype differences in bios samples

Supplementary Data 5

Description: Identification of bacterial genera with significant inter-phenotype differences in swab samples

Supplementary Data 6

Description: Information of the collected, included, and excluded primary literature and datasets in meta-analysis

Supplementary Data 7

Description: Table of abbreviations used in the meta-analysis

Source Data

Description: Data made available to facilitate the replication and validation of key findings of the study.