Description of Additional Supplementary Files

for

Gut Microbiome Wellness Index 2 Enhances  
Health Status Prediction from Gut Microbiome Taxonomic Profiles

Chang and Gupta *et al*.

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| **File Name** | **Description** |
| SupplementaryData1.xlsx | Supplementary Data 1. Human stool shotgun metagenome datasets utilized in this study. |
| SupplementaryData2.xlsx | Supplementary Data 2. Stool shotgun metagenome samples (n = 8069) from 54 independently published studies ranging across healthy and 11 non-healthy phenotypes. |
| SupplementaryData3.xlsx | Supplementary Data 3. Taxa coefficients of the trained Lasso-regularized logistic regression model. |
| SupplementaryData4.xlsx | Supplementary Data 4. Average relative abundance of taxa with either positive (n = 49) or negative (n = 46) coefficients in the trained Lasso-regularized logistic regression model. |
| SupplementaryData5.xlsx | Supplementary Data 5. GMWI2, GMWI, Shannon Index, Simpson Index, and species richness for all samples (n = 8069) comprising the pooled stool metagenome dataset. |
| SupplementaryData6.xlsx | Supplementary Data 6. Human stool metagenome datasets used as the external validation cohort. |
| SupplementaryData7.xlsx | Supplementary Data 7. Human stool metagenome samples (n = 1140) in the external validation dataset. |