

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Microsatellite analysis of WLG and chimpanzee fecal samples used in this study.

File Name: Supplementary Data 2

Description: 97% OTU table of the WLG microbiota.

File Name: Supplementary Data 3

Description: 97% OTU table of the chimpanzee microbiota.

File Name: Supplementary Data 4

Description: Table for *Chloroflexi*, *Treponema*, and *Sphaerochaeta* prevalence and relative abundance in primate datasets.

File Name: Supplementary Data 5

Description: Table showing LEfSe analysis of all bacterial taxa distinguishing primate groups.

File Name: Supplementary Data 6

Description: Table showing LEfSe analysis of bacterial functional metabolic superpathways and pathways distinguishing the four WLG enterotype groups.

File Name: Supplementary Data 7

Description: Table showing LEfSe analysis of bacterial functional metabolic superpathways and pathways that most distinguish seasonally fluctuant WLG enterotype 2 compared to enterotype 3 samples.

File Name: Supplementary Data 8

Description: Table showing percent abundance of Archaea in individual WLG samples from each of the four enterotype groups based on shotgun metagenomic sequencing.

File Name: Supplementary Data 9

Description: Table of plants identified in WLG fecal samples based on shotgun metagenomic sequencing analysis.