AGP Trading Card · american gut

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AACGTAGGTCACAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCA
GGCGGGAAGACAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAACTG
CTTTCAAAACTGTTTTTCTTGAGTA
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TAXONOMY: k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Ruminococcaceae; g__Faecalibacterium; s__prausnitzii

WIKIPEDIA: Faecalibacterium is a genus of bacteria. Its sole known species, Faecalibacterium prausnitzii is one of the most abundant and important commensal bacterium of the human gut microbiota. These bacteria mainly produces butyrate and other short-chain fatty acids through the fermentation of dietary fiber.Formerly considered to be a member of Fusobacterium, the bacterium is named in honor of German bacteriologist Otto Prausnitz. Phylogenetically F. prausnitzii, belongs to phylogroup i and ii. Most of the new isolates of these bacteria isolated by M. Tanweer Khan belong to phylogroup ii.

PREVALENCE: Found in 89.31% of 9,511 samples, rank #1 out of 27,248 sequences.

ABUNDANCE: Composes 3.110% of 11,888,750 observations, rank #4 out of 27,248 sequences.

METHODS: Amplicon PCR with 16S rRNA V4 primers 515f–806rB. Sequencing with Illumina MiSeq 150-bp single reads. Suspected erroneous sequences removed with Deblur, then trimmed to 125 bp and rarefied to 1,250 observations per sample. Showing 9,511 samples from the American Gut cohort.

PREVALENCE BY METADATA: