

VIOME

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NICHOLAS PERRY'S RESULTS

V I O M E

Dear Nicholas Perry,

The information on this report is for educational and informational use only. The information is not intended to be used by the customer for any diagnostic purpose and is not a substitute for professional medical advice. You should always seek the advice of your physician or other healthcare providers with any questions you may have regarding diagnosis, cure, treatment, mitigation, or prevention of any disease or other medical condition or impairment or the status of your health.



Jim Fuller

Technical Director

A handwritten signature in black ink, appearing to read 'Jill', is positioned below the printed name and title.

Test Name: Gut Intelligence Test
Authorized Order Person: Nicholas Perry
Customer Name: Nicholas Perry
DOB: 05/01/1987
Gender: Male
Customer Id: 510dfe4f
Sample Source: Fecal
Date Collected: 09/26/2021
Date Received: 10/04/2021
Date Issued: 10/22/2021
Sample ID: 1A6D88F9FA41

Test Name: Human Gene Expression Test
Authorized Order Person: Nicholas Perry
Customer Name: Nicholas Perry
DOB: 05/01/1987
Gender: Male
Customer Id: 510dfe4f
Sample Source: Blood
Date Collected: 09/26/2021
Date Received: 10/04/2021
Date Issued: 10/22/2021
Sample ID: 2ED9C9AAE631



Test Name: Gut Intelligence Test, Human Gene Expression Test
Customer Name: Nicholas Perry
DOB: 05/01/1987

Meet your probiotic microbes

These are microbes that are found in commercially available probiotic products that are also active in your sample. If there are no organisms listed, no probiotics were identified in your sample.

Bifidobacterium longum subsp. infantis

 Probiotic

Lactobacillus delbrueckii subsp. bulgaricus

 Probiotic



Test Name: Gut Intelligence Test, Human Gene Expression Test
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My Active Microbes

| |
|--|
| Acinetobacter |
| B Bacterium |
| Actinomyces massiliensis F0489 |
| B Bacterium |
| Actinomyces sp. HMSC08A09 |
| B Bacterium |
| Actinomyces sp. oral taxon 175 str. F0384 |
| B Bacterium |
| Actinomyces sp. oral taxon 180 str. F0310 |
| B Bacterium |
| Actinomyces sp. oral taxon 877 str. F0543 |
| B Bacterium |
| Alistipes finegoldii DSM 17242 |
| B Bacterium |
| Alistipes ihumii AP11 |
| B Bacterium |
| Alistipes obesi |
| B Bacterium |
| Alistipes onderdonkii WAL 8169 = DSM 19147 |
| B Bacterium |
| Alistipes putredinis DSM 17216 |
| B Bacterium |
| Alistipes senegalensis JC50 |
| B Bacterium |



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| |
|---|
| Alistipes shahii WAL 8301 |
| B Bacterium |
| Alistipes sp. AL-1 |
| B Bacterium |
| Alistipes sp. HGB5 |
| B Bacterium |
| Anaerococcus obesiensis ph10 |
| B Bacterium |
| Anaerococcus sp. HMSC068A02 |
| B Bacterium |
| Anaerococcus sp. HMSC075B03 |
| B Bacterium |
| Anaerococcus vaginalis ATCC 51170 |
| B Bacterium |
| Anaerofustis stercorihominis |
| B Bacterium |
| Anaerostipes hadrus strain BPB5 |
| B Bacterium |
| Anaerotruncus colihominis |
| B Bacterium |
| Anaerotruncus rubiinfantis |
| B Bacterium |
| Angelakisella massiliensis strain Marseille-P3217 |
| B Bacterium |
| Atopobium sp. BS2 |
| B Bacterium |



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Bacillus coagulans 36D1

B Bacterium

Bacillus coagulans strain B4100

B Bacterium

Bacillus coagulans strain BC-HY1

B Bacterium

Bacillus coagulans strain HM-08

B Bacterium

Bacillus coagulans strain S-lac

B Bacterium

Bacteroides acidifaciens JCM 10556

B Bacterium

Bacteroides caccae

B Bacterium

Bacteroides caecimuris strain I48

B Bacterium

Bacteroides cellulosilyticus strain WH2

B Bacterium

Bacteroides clarus

B Bacterium

Bacteroides dorei CL03T12C01

B Bacterium

Bacteroides eggerthii

B Bacterium

Bacteroides faecichinchillae strain DSM

B Bacterium



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Bacteroides faecis

B Bacterium

Bacteroides finegoldii

B Bacterium

Bacteroides fluxus

B Bacterium

Bacteroides fragilis 638R

B Bacterium

Bacteroides fragilis NCTC 9343

B Bacterium

Bacteroides fragilis str. 3-F-2 #6

B Bacterium

Bacteroides helcogenes P 36-108

B Bacterium

Bacteroides intestinalis

B Bacterium

Bacteroides massiliensis dnLKV3

B Bacterium

Bacteroides mediterraneensis strain Marseille-P2644

B Bacterium

Bacteroides nordii

B Bacterium

Bacteroides ovatus V975

B Bacterium

Bacteroides ovatus strain ATCC

B Bacterium



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| |
|---------------------------|
| Bacteroides salyersiae |
| B Bacterium |
| Bacteroides sp. 14(A) |
| B Bacterium |
| Bacteroides sp. 1_1_30 |
| B Bacterium |
| Bacteroides sp. 1_1_6 |
| B Bacterium |
| Bacteroides sp. 2_1_22 |
| B Bacterium |
| Bacteroides sp. 2_1_33B |
| B Bacterium |
| Bacteroides sp. 2_2_4 |
| B Bacterium |
| Bacteroides sp. 3_1_13 |
| B Bacterium |
| Bacteroides sp. 3_1_19 |
| B Bacterium |
| Bacteroides sp. 3_1_23 |
| B Bacterium |
| Bacteroides sp. 3_1_33FAA |
| B Bacterium |
| Bacteroides sp. 3_1_40A |
| B Bacterium |
| Bacteroides sp. 4_1_36 |
| B Bacterium |



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| |
|---|
| Bacteroides sp. 4_3_47FAA |
| <div>B</div> Bacterium |
| Bacteroides sp. 9_1_42FAA |
| <div>B</div> Bacterium |
| Bacteroides sp. D2 |
| <div>B</div> Bacterium |
| Bacteroides sp. D20 |
| <div>B</div> Bacterium |
| Bacteroides sp. D22 |
| <div>B</div> Bacterium |
| Bacteroides sp. HMSC067B03 |
| <div>B</div> Bacterium |
| Bacteroides sp. HMSC068A09 |
| <div>B</div> Bacterium |
| Bacteroides sp. HMSC073E02 |
| <div>B</div> Bacterium |
| Bacteroides sp. HPS0048 |
| <div>B</div> Bacterium |
| Bacteroides sp. Marseille-P2653 |
| <div>B</div> Bacterium |
| Bacteroides sp. Marseille-P3166 sp. Marseille-P3166 |
| <div>B</div> Bacterium |
| Bacteroides sp. Marseille-P3208T strain Marseille-P3208 |
| <div>B</div> Bacterium |
| Bacteroides stercoris ATCC 43183 |
| <div>B</div> Bacterium |



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| |
|--|
| Bacteroides stercoris CC31F |
| <div>B</div> Bacterium |
| Bacteroides stercoris strain DSM |
| <div>B</div> Bacterium |
| Bacteroides thetaiotaomicron VPI-5482 |
| <div>B</div> Bacterium |
| Bacteroides thetaiotaomicron strain 7330 |
| <div>B</div> Bacterium |
| Bacteroides timonensis AP1 |
| <div>B</div> Bacterium |
| Bacteroides uniformis |
| <div>B</div> Bacterium |
| Bacteroides vulgatus ATCC 8482 |
| <div>B</div> Bacterium |
| Bacteroides xylanisolvens |
| <div>B</div> Bacterium |
| Bifidobacterium adolescentis strain 22L |
| <div>B</div> Bacterium |
| Bifidobacterium longum strain 379 |
| <div>B</div> Bacterium |
| Bifidobacterium longum subsp. infantis |
| <div>B</div> Bacterium <div>P</div> Probiotic |
| Bifidobacterium longum subsp. infantis strain CECT |
| <div>B</div> Bacterium |
| Bifidobacterium longum subsp. longum |
| <div>B</div> Bacterium |



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| |
|--|
| Bifidobacterium merycicum DSM 6492 |
| B Bacterium |
| Bifidobacterium merycicum strain LMG |
| B Bacterium |
| Bifidobacterium mongoliense |
| B Bacterium |
| Bilophila sp. 4_1_30 |
| B Bacterium |
| Bilophila wadsworthia 3_1_6 |
| B Bacterium |
| Bilophila wadsworthia ATCC 49260 |
| B Bacterium |
| Bittarella massiliensis strain GD6 |
| B Bacterium |
| Blautia hydrogenotrophica DSM 10507 |
| B Bacterium |
| Blautia hydrogenotrophica strain 2789STDY5608857 |
| B Bacterium |
| Blautia massiliensis sp. GD8 |
| B Bacterium |
| Blautia obeum ATCC 29174 |
| B Bacterium |
| Blautia obeum strain 2789STDY5608837 |
| B Bacterium |
| Blautia obeum strain 2789STDY5608838 |
| B Bacterium |



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Blautia obeum strain 2789STDY5834861

B Bacterium

Blautia obeum strain 2789STDY5834921

B Bacterium

Blautia obeum strain 2789STDY5834957

B Bacterium

Blautia sp. KLE 1732

B Bacterium

Blautia sp. Marseille-P2398

B Bacterium

Blautia sp. Marseille-P3087 sp. Marseille-P3087

B Bacterium

Blautia sp. Marseille-P3201T strain Marseille-P3201

B Bacterium

Blautia wexlerae

B Bacterium

Butyricicoccus pullicaecorum

B Bacterium

Butyricimonas virosa

B Bacterium

Catenibacterium mitsuokai

B Bacterium

Cellulomonas carbonis T26

B Bacterium

Christensenella minuta

B Bacterium



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Clostridia bacterium UC5.1-1D1

B Bacterium

Clostridia bacterium UC5.1-1E11

B Bacterium

Clostridia bacterium UC5.1-2F7

B Bacterium

Clostridia bacterium UC5.1-2H11

B Bacterium

Clostridiaceae bacterium MS3

B Bacterium

Clostridiales bacterium 1_7_47FAA

B Bacterium

Clostridiales bacterium KLE1615

B Bacterium

Clostridiales bacterium S5-A14a

B Bacterium

Clostridiales bacterium VE202-03

B Bacterium

Clostridiales bacterium VE202-07

B Bacterium

Clostridiales bacterium VE202-13

B Bacterium

Clostridiales bacterium VE202-15

B Bacterium

Clostridiales bacterium VE202-16

B Bacterium



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Clostridiales bacterium VE202-21

B Bacterium

Clostridiales bacterium VE202-28

B Bacterium

Clostridioides difficile P28

B Bacterium

Clostridium celatum DSM 1785

B Bacterium

Clostridium disporicum strain 2789STDY5608827

B Bacterium

Clostridium disporicum strain 2789STDY5834855

B Bacterium

Clostridium disporicum strain 2789STDY5834856

B Bacterium

Clostridium paraputrificum AGR2156

B Bacterium

Clostridium paraputrificum strain 2789STDY5834857

B Bacterium

Clostridium paraputrificum strain 373-A1

B Bacterium

Clostridium phoceensis strain GD3

B Bacterium

Clostridium saudiense strain JCC

B Bacterium

Clostridium sp. 7_3_54FAA

B Bacterium



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| |
|---|
| Clostridium sp. ASF502 |
| B Bacterium |
| Clostridium sp. AT4 |
| B Bacterium |
| Clostridium sp. ATCC BAA-442 |
| B Bacterium |
| Clostridium sp. CL-2 |
| B Bacterium |
| Clostridium sp. CL-6 |
| B Bacterium |
| Clostridium sp. DSM 4029 |
| B Bacterium |
| Clostridium sp. FS41 |
| B Bacterium |
| Clostridium sp. HGF2 |
| B Bacterium |
| Clostridium sp. M62/1 |
| B Bacterium |
| Clostridium sp. Marseille-P3244 sp. Marseille-P3244 |
| B Bacterium |
| Collinsella aerofaciens ATCC 25986 |
| B Bacterium |
| Collinsella sp. 4_8_47FAA |
| B Bacterium |
| Coprobacter secundus strain 177 |
| B Bacterium |



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Coprococcus comes

B Bacterium

Coprococcus eutactus strain 2789STDY5608829

B Bacterium

Culturomica massiliensis strain Marseille-P2698

B Bacterium

Desulfovibrio piger isolate DESPIGER1

B Bacterium

Dialister microaerophilus DSM 19965

B Bacterium

Dielma fastidiosa

B Bacterium

Dorea formicigenerans 4_6_53AFAA

B Bacterium

Dorea formicigenerans ATCC 27755

B Bacterium

Dorea longicatena DSM 13814

B Bacterium

Dorea longicatena strain 2789STDY5608851

B Bacterium

Dorea longicatena strain 2789STDY5608866

B Bacterium

Dorea longicatena strain 2789STDY5834914

B Bacterium

Dorea longicatena strain 2789STDY5834961

B Bacterium



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Dorea sp. AGR2135

B Bacterium

Eggerthella lenta DSM 2243

B Bacterium

Entamoeba

E Eukaryote

Enterococcus faecium 1,141,733

B Bacterium

Enterococcus faecium PC4.1

B Bacterium

Enterococcus faecium isolate Hp_21-11

B Bacterium

Enterococcus faecium isolate Hp_22-12

B Bacterium

Enterococcus sp. HMSC072F02

B Bacterium

Erysipelotrichaceae bacterium 21_3

B Bacterium

Erysipelotrichaceae bacterium 3_1_53

B Bacterium

Erysipelotrichaceae bacterium 6_1_45

B Bacterium

Erysipelotrichaceae bacterium I46

B Bacterium

Escherichia coli ATCC 8739

B Bacterium



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| |
|--|
| Escherichia coli strain AZ77 |
| B Bacterium |
| Escherichia coli strain S1 |
| B Bacterium |
| Eubacterium ramulus ATCC 29099 |
| B Bacterium |
| Eubacterium ramulus strain 2789STDY5608891 |
| B Bacterium |
| Eubacterium sulci ATCC 35585 |
| B Bacterium |
| Eubacterium ventriosum ATCC 27560 |
| B Bacterium |
| Faecalibacterium prausnitzii |
| B Bacterium |
| Faecalitalea cylindroides ATCC 27803 |
| B Bacterium |
| Faecalitalea cylindroides T2-87 |
| B Bacterium |
| Fastidiosipila sanguinis |
| B Bacterium |
| Fenollaria massiliensis |
| B Bacterium |
| Finegoldia magna ATCC 29328 |
| B Bacterium |
| Flavonifractor plautii strain YL31 |
| B Bacterium |



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| |
|------------------------------------|
| Flintibacter |
| B Bacterium |
| Fournierella massiliensis |
| B Bacterium |
| Fusicatenibacter saccharivorans |
| B Bacterium |
| Gemella bergeriae ATCC 700627 |
| B Bacterium |
| Gemella morbillorum |
| B Bacterium |
| Gemella sanguinis ATCC 700632 |
| B Bacterium |
| Gemella sanguinis M325 |
| B Bacterium |
| Gemella sanguinis strain 1094_BTHU |
| B Bacterium |
| Gordonibacter urolithinifaciens |
| B Bacterium |
| Haemophilus sp. CCUG 60358 |
| B Bacterium |
| Haemophilus sp. HMSC068C11 |
| B Bacterium |
| Haemophilus sp. HMSC073C03 |
| B Bacterium |
| Haemophilus sp. HMSC61B11 |
| B Bacterium |



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Haemophilus sp. HMSC71H05

B Bacterium

Holdemania filiformis DSM 12042

B Bacterium

Holdemania massiliensis

B Bacterium

Intestinimonas butyriciproducens

B Bacterium

Intestinimonas massiliensis sp. GD2

B Bacterium

Lachnospira pectinoschiza strain 2789STDY5834836

B Bacterium

Lachnospira pectinoschiza strain 2789STDY5834886

B Bacterium

Lachnospiraceae bacterium

B Bacterium

Lachnospiraceae bacterium 1_1_57FAA

B Bacterium

Lachnospiraceae bacterium 1_4_56FAA

B Bacterium

Lachnospiraceae bacterium 3_1_46FAA

B Bacterium

Lachnospiraceae bacterium 3_1_57FAA_CT1

B Bacterium

Lachnospiraceae bacterium 5_1_63FAA

B Bacterium



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Lachnospiraceae bacterium 7_1_58FAA

B Bacterium

Lactobacillus casei 12A

B Bacterium

Lactobacillus casei LOCK919

B Bacterium

Lactobacillus casei UW1

B Bacterium

Lactobacillus casei strain BM-LC14617

B Bacterium

Lactobacillus casei strain Z11

B Bacterium

Lactobacillus curvatus strain WiKim38

B Bacterium

Lactobacillus delbrueckii subsp. bulgaricus

B Bacterium **P** Probiotic

Lactobacillus delbrueckii subsp. bulgaricus 2038

B Bacterium

Lactobacillus delbrueckii subsp. bulgaricus ATCC BAA-365

B Bacterium

Lactobacillus delbrueckii subsp. bulgaricus strain DSM

B Bacterium

Lactobacillus delbrueckii subsp. bulgaricus strain LBB.B5

B Bacterium

Lactobacillus fermentum

B Bacterium



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| |
|---|
| Lactobacillus fermentum 28-3-CHN |
| B Bacterium |
| Lactobacillus fermentum 3872 |
| B Bacterium |
| Lactobacillus fermentum F-6 |
| B Bacterium |
| Lactobacillus fermentum MTCC 8711 |
| B Bacterium |
| Lactobacillus fermentum strain 779_LFER |
| B Bacterium |
| Lactobacillus fermentum strain LfQi6 |
| B Bacterium |
| Lactobacillus helveticus H10 |
| B Bacterium |
| Lactobacillus helveticus strain CAUH18 |
| B Bacterium |
| Lactobacillus hordei DSM 19519 |
| B Bacterium |
| Lactobacillus paracasei ATCC 334 |
| B Bacterium |
| Lactobacillus paracasei strain 275_LPAR |
| B Bacterium |
| Lactobacillus paracasei strain CAUH35 |
| B Bacterium |
| Lactobacillus paracasei strain DSM |
| B Bacterium |



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Lactobacillus paracasei strain KL1

B Bacterium

Lactobacillus paracasei subsp. paracasei 8700:2

B Bacterium

Lactobacillus paracasei subsp. paracasei JCM 8130

B Bacterium

Lactobacillus paracasei subsp. paracasei Lpp125

B Bacterium

Lactobacillus paracasei subsp. paracasei Lpp14

B Bacterium

Lactobacillus paracasei subsp. paracasei Lpp225

B Bacterium

Lactobacillus plantarum strain MF1298

B Bacterium

Lactobacillus reuteri ATCC 53608

B Bacterium

Lactobacillus reuteri DSM 20016

B Bacterium

Lactobacillus reuteri I5007

B Bacterium

Lactobacillus reuteri JCM 1112

B Bacterium

Lactobacillus reuteri mlc3

B Bacterium

Lactobacillus reuteri strain 484_39

B Bacterium



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Lactobacillus reuteri strain IRT

B Bacterium

Lactobacillus reuteri strain MD

B Bacterium

Lactobacillus reuteri strain P43

B Bacterium

Lactobacillus reuteri strain ZLR003

B Bacterium

Lactobacillus secaliphilus strain DSM

B Bacterium

Lactococcus sp. 159469

B Bacterium

Lactonifactor longoviformis DSM 17459

B Bacterium

Leuconostoc garlicum strain KFRI01

B Bacterium

Leuconostoc gelidum JB7

B Bacterium

Leuconostoc lactis

B Bacterium

Levyella massiliensis

B Bacterium

Massilioclostridium coli strain Marseille-P2976

B Bacterium

Massiliomicrobiota timonensis

B Bacterium



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| |
|--|
| Mediterranea massiliensis strain Marseille-P2645 |
| <div>B</div> Bacterium |
| Megamonas funiformis |
| <div>B</div> Bacterium |
| Megamonas rupellensis |
| <div>B</div> Bacterium |
| Merdibacter massiliensis strain Marseille-P3254 |
| <div>B</div> Bacterium |
| Mogibacterium diversum |
| <div>B</div> Bacterium |
| Mogibacterium sp. CM50 |
| <div>B</div> Bacterium |
| Mogibacterium timidum ATCC 33093 |
| <div>B</div> Bacterium |
| Neglecta timonensis |
| <div>B</div> Bacterium |
| Odoribacter splanchnicus DSM 20712 |
| <div>B</div> Bacterium |
| Olsenella uli DSM 7084 |
| <div>B</div> Bacterium |
| Oscillibacter sp. ER4 |
| <div>B</div> Bacterium |
| Oscillibacter sp. KLE 1745 |
| <div>B</div> Bacterium |
| Oscillibacter valericigenes Sjm18-20 |
| <div>B</div> Bacterium |



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Oscillospiraceae bacterium VE202-24

B Bacterium

Parabacteroides distasonis ATCC 8503

B Bacterium

Parabacteroides goldsteinii strain 910340

B Bacterium

Parabacteroides gordonii DSM 23371

B Bacterium

Parabacteroides gordonii MS-1

B Bacterium

Parabacteroides johnsonii CL02T12C29

B Bacterium

Parabacteroides merdae ATCC 43184

B Bacterium

Parabacteroides merdae CL03T12C32

B Bacterium

Parabacteroides merdae CL09T00C40

B Bacterium

Parabacteroides merdae strain 2789STDY5834848

B Bacterium

Parabacteroides sp. 20_3

B Bacterium

Parabacteroides sp. 2_1_7

B Bacterium

Parabacteroides sp. D13

B Bacterium



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Parabacteroides sp. D26

B Bacterium

Parabacteroides sp. SN4 strain SN4, sp. SB4

B Bacterium

Parasutterella excrementihominis YIT 11859

B Bacterium

Parvimonas sp. KA00067

B Bacterium

Pediococcus inopinatus

B Bacterium

Pediococcus pentosaceus

B Bacterium

Peptoniphilus lacrimalis DSM 7455

B Bacterium

Phaseolus vulgaris endornavirus 1

V Virus

Phaseolus vulgaris endornavirus 2

V Virus

Phoceamassiliensis strain Marseille-P2769

B Bacterium

Porphyromonas asaccharolytica DSM 20707

B Bacterium

Prevotella bivia DNF00320

B Bacterium

Prevotella bivia strain GED7880

B Bacterium



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| |
|--|
| Prevotella buccalis DNF00853 |
| B Bacterium |
| Prevotella buccalis DNF00985 |
| B Bacterium |
| Prevotella copri DSM 18205 |
| B Bacterium |
| Prevotella disiens DNF00882 |
| B Bacterium |
| Prevotella disiens FB035-09AN |
| B Bacterium |
| Prevotella ihumii sp. Marseille-P3385 |
| B Bacterium |
| Prevotella sp. HUN102 |
| B Bacterium |
| Prevotella sp. KHD1 sp. KHD1 |
| B Bacterium |
| Prevotella sp. P5-125 |
| B Bacterium |
| Prevotella sp. S7-1-8 |
| B Bacterium |
| Prevotella stercorea DSM 18206 |
| B Bacterium |
| Prevotella timonensis |
| B Bacterium |
| Prevotellamassilia timonensis strain Marseille-P2831 |
| B Bacterium |



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Pseudoflavonifractor capillosus ATCC 29799

B Bacterium

Ralstonia insidiosa strain ATCC

B Bacterium

Ralstonia pickettii 12D

B Bacterium

Ralstonia pickettii 12J

B Bacterium

Rikenella microfusum DSM 15922

B Bacterium

Romboutsia

B Bacterium

Roseburia faecis

B Bacterium

Roseburia hominis A2-183

B Bacterium

Roseburia intestinalis L1-82

B Bacterium

Roseburia inulinivorans

B Bacterium

Ruminococcaceae bacterium D16

B Bacterium

Ruminococcaceae bacterium cv2

B Bacterium

Ruminococcus callidus

B Bacterium



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Ruminococcus faecis JCM 15917

B Bacterium

Ruminococcus gnavus ATCC 29149

B Bacterium

Ruminococcus lactaris ATCC 29176

B Bacterium

Ruminococcus lactaris CC59_002D

B Bacterium

Ruminococcus sp. 5_1_39BFAA

B Bacterium

Ruminococcus sp. AT10

B Bacterium

Ruminococcus sp. JC304

B Bacterium

Ruminococcus sp. Marseille-P3213 sp. Marseille-P3213

B Bacterium

Ruminococcus torques ATCC 27756

B Bacterium

Ruthenibacterium lactatiformans strain 585-1

B Bacterium

Sellimonas intestinalis

B Bacterium

Senegalimassilia anaerobia JC110

B Bacterium

Solobacterium moorei

B Bacterium



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Staphylococcus epidermidis

B Bacterium

Streptococcus anginosus strain J4211

B Bacterium

Streptococcus anginosus strain SA1

B Bacterium

Streptococcus anginosus subsp. whileyi MAS624

B Bacterium

Streptococcus constellatus subsp. pharyngis C1050

B Bacterium

Streptococcus constellatus subsp. pharyngis C232

B Bacterium

Streptococcus constellatus subsp. pharyngis C818

B Bacterium

Streptococcus cristatus AS 1.3089

B Bacterium

Streptococcus cristatus ATCC 51100

B Bacterium

Streptococcus equinus

B Bacterium

Streptococcus gallolyticus strain ICDDRB-NRC-S1

B Bacterium

Streptococcus gordonii str. Challis substr. CH1

B Bacterium

Streptococcus gordonii strain IE35

B Bacterium



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Streptococcus infantarius subsp. infantarius CJ18

B Bacterium

Streptococcus infantis ATCC 700779

B Bacterium

Streptococcus intermedius B196

B Bacterium

Streptococcus intermedius C270

B Bacterium

Streptococcus lutetiensis 033

B Bacterium

Streptococcus macedonicus ACA-DC 198

B Bacterium

Streptococcus milleri

B Bacterium

Streptococcus mutans strain NG8

B Bacterium

Streptococcus oralis ATCC 35037

B Bacterium

Streptococcus pyogenes

B Bacterium

Streptococcus salivarius CCHSS3

B Bacterium

Streptococcus salivarius JIM8777

B Bacterium

Streptococcus salivarius strain HSISS4

B Bacterium



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Streptococcus salivarius strain JF

B Bacterium

Streptococcus sanguinis SK36

B Bacterium

Streptococcus sp. 1171_SSPC

B Bacterium

Streptococcus sp. 263_SSPC

B Bacterium

Streptococcus sp. 343_SSPC

B Bacterium

Streptococcus sp. 400_SSPC

B Bacterium

Streptococcus sp. 449_SSPC

B Bacterium

Streptococcus sp. A12 sp. A12

B Bacterium

Streptococcus sp. AS20

B Bacterium

Streptococcus sp. C300

B Bacterium

Streptococcus sp. CCH5-D3

B Bacterium

Streptococcus sp. CCH8-G7

B Bacterium

Streptococcus sp. CCH8-H5

B Bacterium



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| |
|--------------------------------|
| Streptococcus sp. CM6 |
| B Bacterium |
| Streptococcus sp. DD04 |
| B Bacterium |
| Streptococcus sp. F0441 |
| B Bacterium |
| Streptococcus sp. FDAARGOS_192 |
| B Bacterium |
| Streptococcus sp. HMSC063B03 |
| B Bacterium |
| Streptococcus sp. HMSC064D12 |
| B Bacterium |
| Streptococcus sp. HMSC064H09 |
| B Bacterium |
| Streptococcus sp. HMSC065C01 |
| B Bacterium |
| Streptococcus sp. HMSC065H07 |
| B Bacterium |
| Streptococcus sp. HMSC066F01 |
| B Bacterium |
| Streptococcus sp. HMSC068F04 |
| B Bacterium |
| Streptococcus sp. HMSC070B10 |
| B Bacterium |
| Streptococcus sp. HMSC072D03 |
| B Bacterium |



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Streptococcus sp. HMSC073D05

B Bacterium

Streptococcus sp. HMSC076C09

B Bacterium

Streptococcus sp. HMSC077D04

B Bacterium

Streptococcus sp. HMSC078H03

B Bacterium

Streptococcus sp. HMSC078H12

B Bacterium

Streptococcus sp. HMSC10A01

B Bacterium

Streptococcus sp. HMSC10E12

B Bacterium

Streptococcus sp. HSISS3

B Bacterium

Streptococcus sp. SR4

B Bacterium

Streptococcus thermophilus JIM 8232

B Bacterium

Streptococcus thermophilus LMD-9

B Bacterium

Streptococcus thermophilus MN-ZLW-002

B Bacterium

Streptococcus thermophilus ND03

B Bacterium



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Streptococcus thermophilus strain CS8

B Bacterium

Streptococcus thermophilus strain KLDS

B Bacterium

Streptococcus thermophilus strain MN-BM-A01

B Bacterium

Streptococcus thermophilus strain ND07

B Bacterium

Streptococcus thermophilus strain S9

B Bacterium

Streptococcus thermophilus strain SMQ-301

B Bacterium

Streptococcus vestibularis

B Bacterium

Streptococcus viridans

B Bacterium

Subdoligranulum sp. 4_3_54A2FAA

B Bacterium

Subdoligranulum variabile

B Bacterium

Sutterella sp. KLE1602

B Bacterium

Sutterella wadsworthensis 2_1_59BFAA

B Bacterium

Sutterella wadsworthensis 3_1_45B

B Bacterium



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Sutterella wadsworthensis HGA0223

B Bacterium

Terrisporobacter othiniensis strain 08-306576

B Bacterium

Tissierellia bacterium S7-1-4

B Bacterium

Turicibacter sanguinis

B Bacterium

Turicibacter sp. H121 sp. H121

B Bacterium

Tyzzrella nexilis

B Bacterium

Weissella cibaria strain CMU

B Bacterium

Weissella confusa

B Bacterium

[Bacteroides] pectinophilus

B Bacterium

[Clostridium] asparagiforme

B Bacterium

[Clostridium] bolteae

B Bacterium

[Clostridium] clostridioforme 2_1_49FAA

B Bacterium

[Clostridium] clostridioforme 90A6

B Bacterium



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[Clostridium] clostridioforme 90A7

B Bacterium

[Clostridium] glycyrrhizinilyticum JCM 13369

B Bacterium

[Clostridium] innocuum strain AN88

B Bacterium

[Clostridium] lactatifermentans

B Bacterium

[Clostridium] leptum DSM 753

B Bacterium

[Clostridium] spiroforme DSM 1552

B Bacterium

[Clostridium] symbiosum

B Bacterium

[Clostridium] symbiosum WAL-14163

B Bacterium

[Eubacterium rectale] ATCC 33656

B Bacterium

[Eubacterium] contortum

B Bacterium

[Eubacterium] eligens ATCC 27750

B Bacterium

[Eubacterium] hallii DSM 3353

B Bacterium

[Eubacterium] rectale strain T1-815

B Bacterium



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| |
|---|
| [Eubacterium] siraeum DSM 15702 |
| <div>B</div> Bacterium |
| [Eubacterium] siraeum strain 2789STDY5834928 |
| <div>B</div> Bacterium |
| [Ruminococcus] torques strain 2789STDY5608833 |
| <div>B</div> Bacterium |
| [Ruminococcus] torques strain 2789STDY5608867 |
| <div>B</div> Bacterium |
| [Ruminococcus] torques strain 2789STDY5834841 |
| <div>B</div> Bacterium |
| [Ruminococcus] torques strain 2789STDY5834889 |
| <div>B</div> Bacterium |
| bacterium LF-3 |
| <div>B</div> Bacterium |
| uncultured phage crAssphage |
| <div>V</div> Virus |

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Viome Methodology

Microbial total RNA is extracted, ribosomal RNA molecules are removed from total RNA, and the remaining RNA molecules are sequenced on Illumina NextSeq or NovaSeq. Proprietary bioinformatics algorithms are used to perform taxonomic classification and functional analysis of the sequencing data.

Whole blood total RNA is extracted, polyadenylated transcripts are captured from total RNA and sequenced on Illumina NextSeq or NovaSeq. Proprietary bioinformatics algorithms are used to perform quantitative gene expression analysis of the sequencing data. Results are reported to Viome customers in the context of integrative functional health themes communicated as scores derived largely from proprietary pathway content and analytics methodology. Each score is built to account for molecular pathway topology and strength of literature evidence manually curated by translational science experts in systems biology. Scoring results are CLIA-validated and are end-to-end automated in the production system, which uses each customer's gene expression data as input.

Method Limitation

Viome's results and recommendations are based on our ability to identify and quantify thousands of microbial taxa. Such vast diversity has not been captured in the genomic databases, so it is impossible to assess it comprehensively. There are microorganisms that thrive in the gut whose genomes have not been sequenced. Viome is unable to identify those specific organisms, but can identify their near neighbors, which have similar homology. There are also taxa that we cannot discriminate because of their sequence similarity, for example at the strain level. There are some RNA transcripts that may not always align and match to specific known organisms, which may be due to the fact that these sequences are poorly characterized, reliable consensus sequence may not be available for reference. Viome monitors the growth of public genomic databases and will update its own databases when there is sufficient new information to be worthy of incorporation.

Detection of a microorganism by this test does not imply having a disease. Similarly, not detecting a microorganism by this test does not exclude the presence of a disease-causing microorganism. Further, other organisms may be present that are not detected by this test. This test is not a substitute for established methods for identifying microorganisms or their antimicrobial susceptibility profile. Results are qualitative and identify the presence or absence of identified annotated organisms.

Viome's results and recommendations are based on our ability to identify and quantify thousands of human transcripts. While the test has been clinically validated and shows very high precision, it also has some limitations. As the presence of transcripts nears the limits of detection, the ability of the test to accurately detect them is diminished. This is simply due to the uneven distribution of molecules in liquid volumes, causing small random changes in the transcript concentrations. Scores rely on detection of expressed genes, as well as their levels of expression against the reference population cohort. Hence, certain sample results may be affected by any skewing or sampling biases of the reference cohort, as opposed to solely the biology of the given customer. Scores also are limited by our current understanding of actionable or biologically



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meaningful insights and literature coverage to date. As Viome's reference population expands and current knowledge grows, these limitations become more negligible.

The Gut Intelligence Test was developed by, and its performance characteristics determined by Viome Inc. It has not been cleared or approved by the US Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This laboratory is registered under CLIA (50D2224932) to perform high complexity testing. Sequencing was performed at Viome Inc. CLIA (50D2224932). Contact Viome for any further questions.

The Human Gene Expression test was developed by, and its performance characteristics determined by Viome Inc. It has not been cleared or approved by the US Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This laboratory is registered under CLIA 50D2224932 to perform high complexity testing. Sequencing was performed at Viome, Inc. CLIA 50D2224932. Contact Viome for any further questions.



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V I O M E

NICHOLAS PERRY'S RESULTS

VERSION: 1.14.2

These results are signed off by...

Jim Fuller

Technical Director

A handwritten signature in black ink, appearing to read "Jill", written in a cursive style.