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GI-MAP™ DNA Stool Analysis

Patient: Amy Phillips
Collected: 5/10/2021
DOB: 10/9/1995

Accession: 20210517-0661
Received: 5/17/2021
Completed: 6/2/2021

Ordered By Designs for Health Pty Ltd.

Pathogens

Bacterial Pathogens

	Result	Normal
<i>Campylobacter</i>	<dl	<1.00e3
<i>C. difficile</i> , Toxin A	<dl	<1.00e3
<i>C. difficile</i> , Toxin B	<dl	<1.00e3
<i>Enterohemorrhagic E. coli</i>	<dl	<1.00e3
<i>E. coli</i> O157	<dl	<1.00e3
<i>Enteroinvasive E. coli/Shigella</i>	<dl	<1.00e2
<i>Enterotoxigenic E. coli</i> LT/ST	<dl	<1.00e3
Shiga-like Toxin <i>E. coli</i> stx1	<dl	<1.00e3
Shiga-like Toxin <i>E. coli</i> stx2	<dl	<1.00e3
<i>Salmonella</i>	<dl	<1.00e4
<i>Vibrio cholerae</i>	<dl	<1.00e5
<i>Yersinia enterocolitica</i>	<dl	<1.00e5

Parasitic Pathogens

	Result	Normal
<i>Cryptosporidium</i>	<dl	<1.00e6
<i>Entamoeba histolytica</i>	<dl	<1.00e4
<i>Giardia</i>	<dl	<5.00e3

Viral Pathogens

	Result	Normal
<i>Adenovirus</i> 40/41	<dl	<1.00e10
<i>Norovirus</i> GI/II	<dl	<1.00e7

H. pylori

	Result		Normal
<i>Helicobacter pylori</i>	2.7e3	High	<1.0e3
Virulence Factor, babA	Negative		Negative
Virulence Factor, cagA	Negative		Negative
Virulence Factor, dupA	Negative		Negative
Virulence Factor, iceA	Negative		Negative
Virulence Factor, oipA	Negative		Negative
Virulence Factor, vacA	Negative		Negative
Virulence Factor, virB	Negative		Negative
Virulence Factor, virD	Negative		Negative

Normal Bacterial Flora

	Result		Normal
<i>Bacteroides fragilis</i>	6.85e10		1.60e9 - 2.50e11
<i>Bifidobacterium spp.</i>	1.24e10		>6.70e7
<i>Enterococcus spp.</i>	3.07e9	High	1.9e5 - 2.00e8
<i>Escherichia spp.</i>	3.80e9		3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	6.73e6		8.6e5 - 6.20e8
<i>Clostridia (class)</i>	1.43e8	High	5.00e6 - 5.00e7
<i>Enterobacter spp.</i>	3.38e6		1.00e6 - 5.00e7
<i>Akkermansia muciniphila</i>	9.71e6	High	1.00e1 - 5.00e4
<i>Faecalibacterium prausnitzii</i>	3.37e5		1.00e3 - 5.00e8

Phyla Microbiota

	Result		Normal
<i>Bacteroidetes</i>	6.15e11	Low	8.61e11 - 3.31e12
<i>Firmicutes</i>	5.03e10	Low	5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	0.08		<1.00

Opportunistic Bacteria**Additional Dysbiotic/Overgrowth Bacteria**

	Result		Normal
<i>Bacillus</i> spp.	4.90e7	High	<1.50e5
<i>Enterococcus faecalis</i>	1.39e4	High	<1.00e4
<i>Enterococcus faecium</i>	2.53e7	High	<1.00e4
<i>Morganella</i> spp.	<dl		<1.00e3
<i>Pseudomonas</i> spp.	<dl		<1.00e4
<i>Pseudomonas aeruginosa</i>	<dl		<5.00e2
<i>Staphylococcus</i> spp.	<dl		<1.00e4
<i>Staphylococcus aureus</i>	4.14e3	High	<5.00e2
<i>Streptococcus</i> spp.	1.60e4	High	<1.00e3
<i>Methanobacteriaceae</i> (family)	6.42e9	High	<5.00e9

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter</i> spp.	<dl		<5.00e6
<i>Citrobacter freundii</i>	<dl		<5.00e5
<i>Klebsiella</i> spp.	2.97e6	High	<5.00e3
<i>Klebsiella pneumoniae</i>	5.73e5	High	<5.00e4
<i>M. avium</i> subsp. <i>paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella</i> spp.	1.22e7		<1.00e8
<i>Proteus</i> spp.	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3
<i>Fusobacterium</i> spp.	1.37e5		<1.00e8

Fungi/Yeast

	Result		Normal
<i>Candida</i> spp.	<dl		<5.00e3
<i>Candida albicans</i>	<dl		<5.00e2
<i>Geotrichum</i> spp.	<dl		<3.00e2
<i>Microsporidium</i> spp.	<dl		<5.00e3
<i>Rhodotorula</i> spp.	<dl		<1.00e3

Viruses

	Result		Normal
<i>Cytomegalovirus</i>	<dl		<1.00e5
<i>Epstein Barr Virus</i>	<dl		<1.00e7

Parasites

Protozoa	Result	Normal
<i>Blastocystis hominis</i>	<dl	<2.00e3
<i>Chilomastix mesnili</i>	<dl	<1.00e5
<i>Cyclospora spp.</i>	<dl	<5.00e4
<i>Dientamoeba fragilis</i>	<dl	<1.00e5
<i>Endolimax nana</i>	<dl	<1.00e4
<i>Entamoeba coli</i>	<dl	<5.00e6
<i>Pentatrichomonas hominis</i>	<dl	<1.00e2

Worms	Result	Normal
<i>Ancylostoma duodenale</i>	Not Detected	Not Detected
<i>Ascaris lumbricoides</i>	Not Detected	Not Detected
<i>Necator americanus</i>	Not Detected	Not Detected
<i>Trichuris trichiura</i>	Not Detected	Not Detected
<i>Taenia spp.</i>	Not Detected	Not Detected

Intestinal Health

Digestion	Result	Normal
Steatocrit	<dl	<15 %
Elastase-1	568	>200 ug/g

GI Markers	Result	Normal
b-Glucuronidase	1864	<2486 U/mL
Occult Blood - FIT	0	<10 ug/g

Immune Response	Result	Normal
Secretory IgA	2168	510 - 2010 ug/g
Anti-gliadin IgA	124	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	4	<173 ug/g

Add-on Test	Result	Normal
Zonulin	291.5	<107 ng/g

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Antibiotic Resistance Genes, phenotypes

Helicobacter		Result		Expected Result	
Amoxicillin		Negative		Negative	
A926G	Absent	AGA926-928TTC	Absent		
Clarithromycin		Negative		Negative	
A2142G	Absent	A2142C	Absent	A2143G	Absent
Fluoroquinolones		Negative		Negative	
gyrA N87K	Absent	gyrA D91N	Absent	gyrA D91G	Absent
gyrB S479N	Absent	gyrB R484K	Absent		
Tetracycline		Negative		Negative	
PBP1A S414R	Absent	PBP1A T556S	Absent	PBP1A N562Y	Absent