

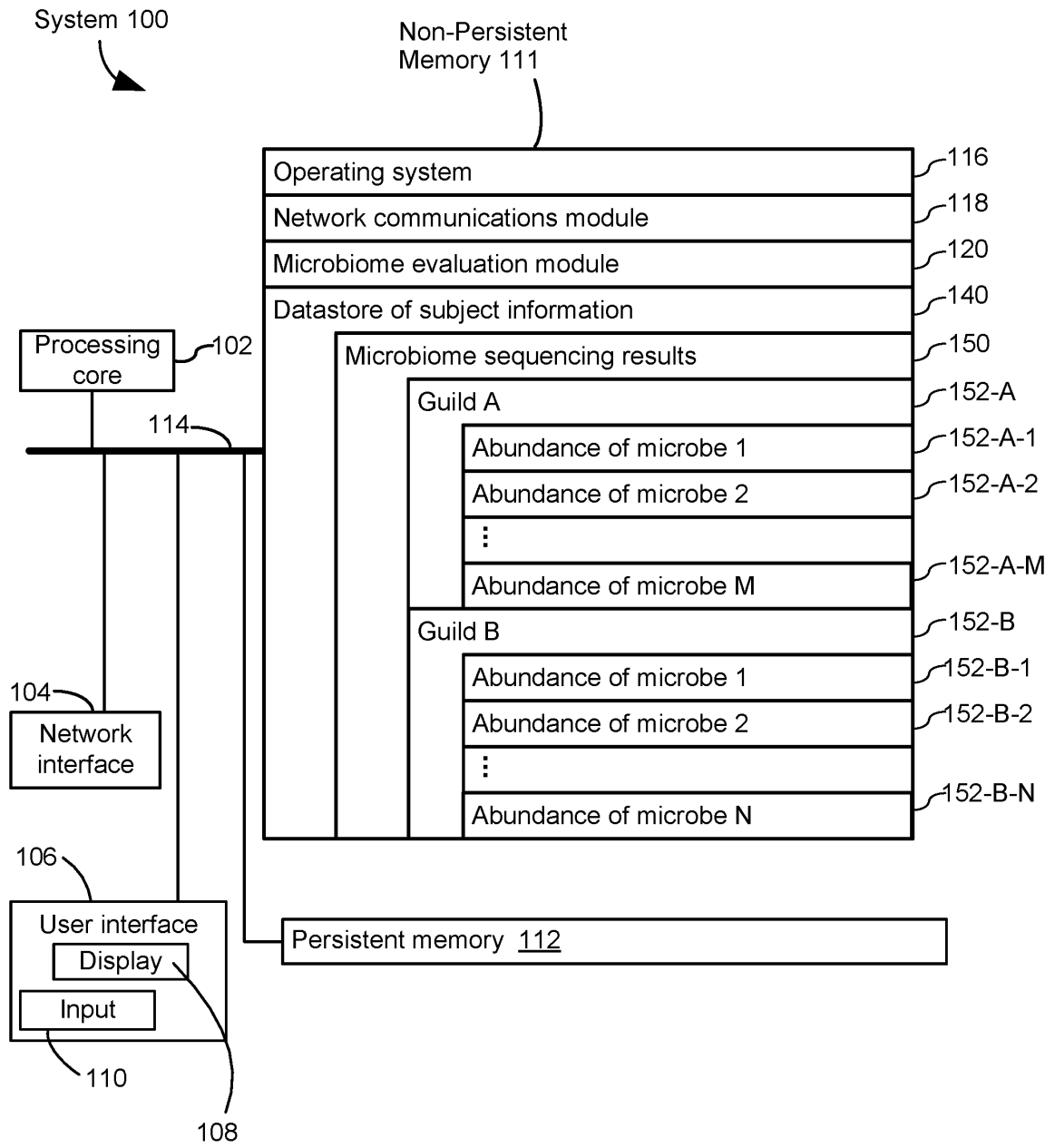


FIG. 1

(200) Obtain, in electronic form, for each respective subject in a first plurality of subjects having a first state of a biological characteristic a corresponding plurality of genomic abundance values comprising, for each respective gut microorganism in a plurality of gut microorganisms, a corresponding value for the abundance of the genome of the respective gut microorganism in a biological sample from the gut of the respective subject.

(202) For each respective subject in the first plurality of subjects, the biological sample from the gut of the respective subject is a fecal sample.

(204) Sequence, for each respective subject in the first plurality of subjects, genomic DNA from the corresponding biological sample from the gut of the respective subject, thereby obtain the corresponding first plurality of at least 100,000 nucleic acid sequences.

(206) Obtain, in electronic form, for each respective subject in the first plurality of subjects, a corresponding first plurality of at least 100,000 nucleic acid sequences for genomic DNA from a corresponding biological sample from the gut of the respective subject, and determine, for each respective subject in the first plurality of subjects, the corresponding genomic abundance value for each respective gut microorganism in the plurality of gut microorganisms from the corresponding first plurality of at least 100,000 nucleic acid sequences.

(208) For each respective subject in the first plurality of subjects, assemble a corresponding first plurality of gut microorganism genomes by metagenomic de novo sequence assembly from the corresponding first plurality of at least 100,000 nucleic acid sequences, and calculate, for each respective gut microorganism genome in the corresponding first plurality of gut microorganism genomes, a corresponding genomic abundance of the respective gut microorganism genome.

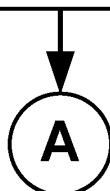


Fig. 2A

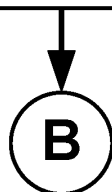
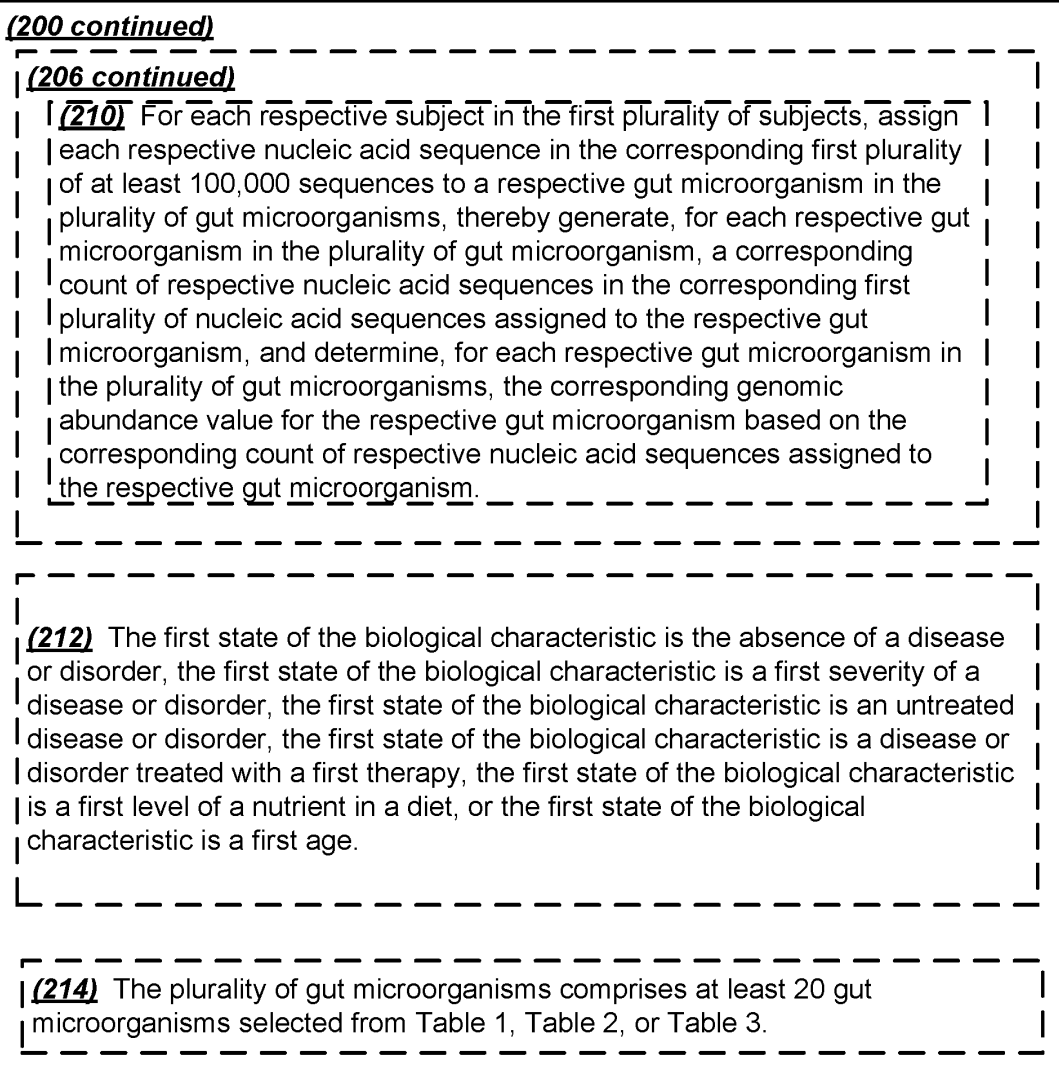
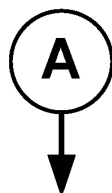


Fig. 2B

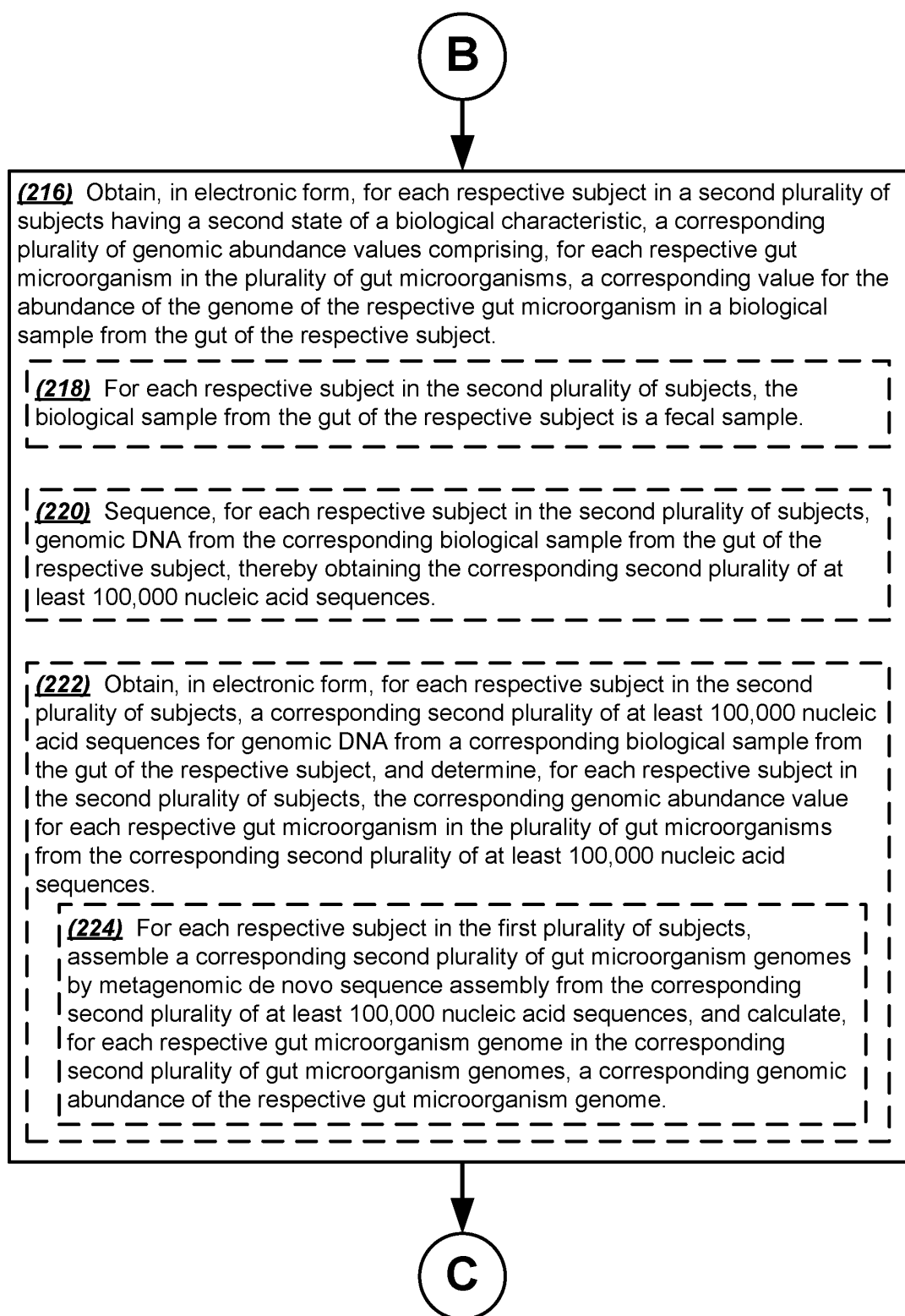
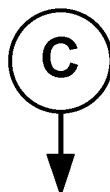


Fig. 2C



(216 continued)

(222 continued)

(226) For each respective subject in the first plurality of subjects assigning each respective nucleic acid sequence in the corresponding second plurality of at least 100,000 sequences to a respective gut microorganism in the plurality of gut microorganisms, thereby generate, for each respective gut microorganism in the plurality of gut microorganism, a corresponding count of respective nucleic acid sequences in the corresponding second plurality of nucleic acid sequences assigned to the respective gut microorganism, and determine, for each respective gut microorganism in the plurality of gut microorganisms, the corresponding genomic abundance value for the respective gut microorganism based on the corresponding count of respective nucleic acid sequences assigned to the respective gut microorganism.

(228) The second state of the biological characteristic is the presence of the disease or disorder, the second state of the biological characteristic is a second severity of the disease or disorder, the second state of the biological characteristic is a treated disease or disorder, the second state of the biological characteristic is a disease or disorder treated with a second therapy, the second state of the biological characteristic is a second level of a nutrient in a diet, or the second state of the biological characteristic is a second age.

(230) The plurality of gut microorganisms comprises at least 20 gut microorganisms selected from Table 1, Table 2, or Table 3.

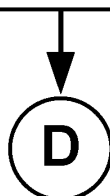


Fig. 2D

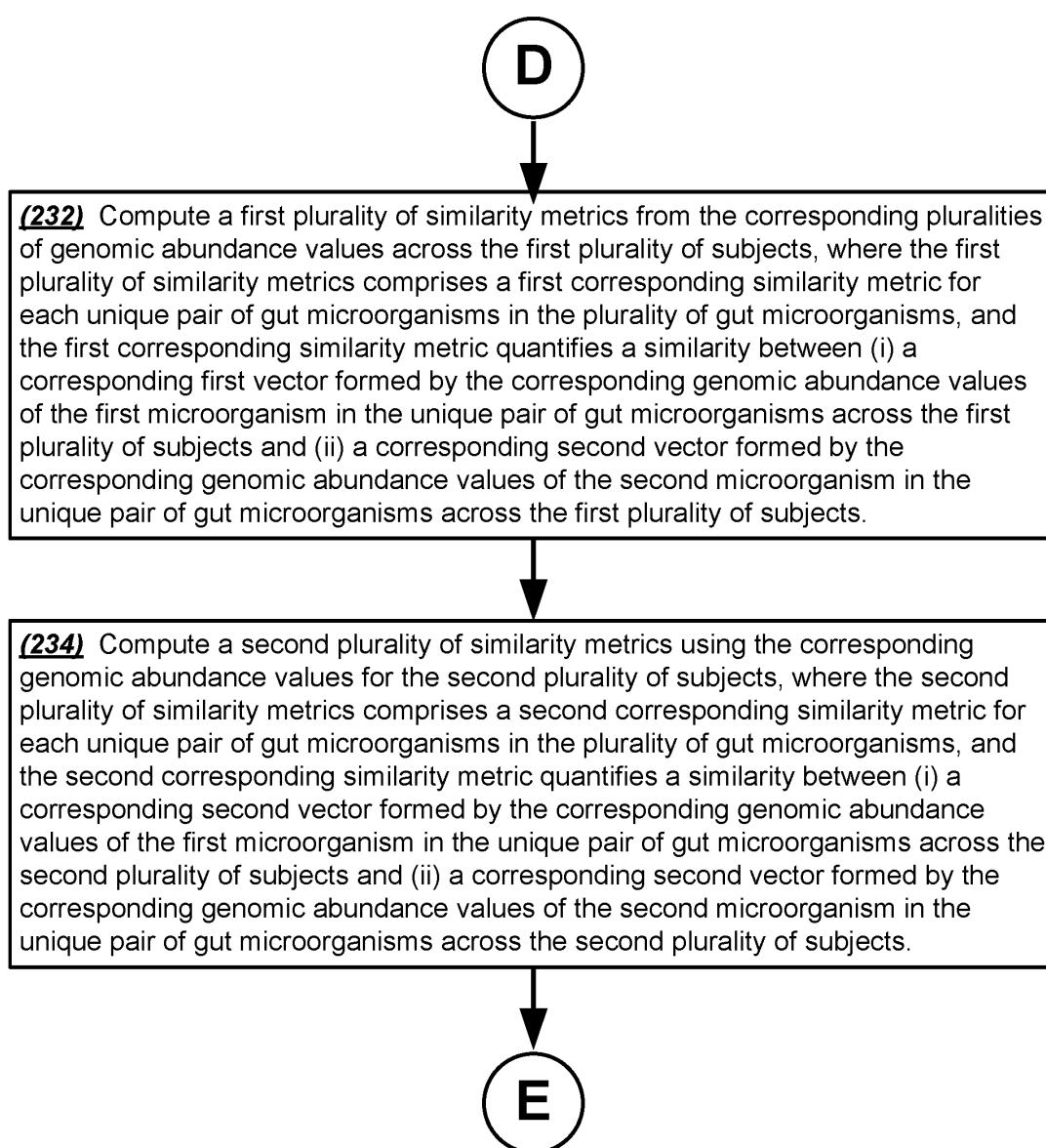


Fig. 2E

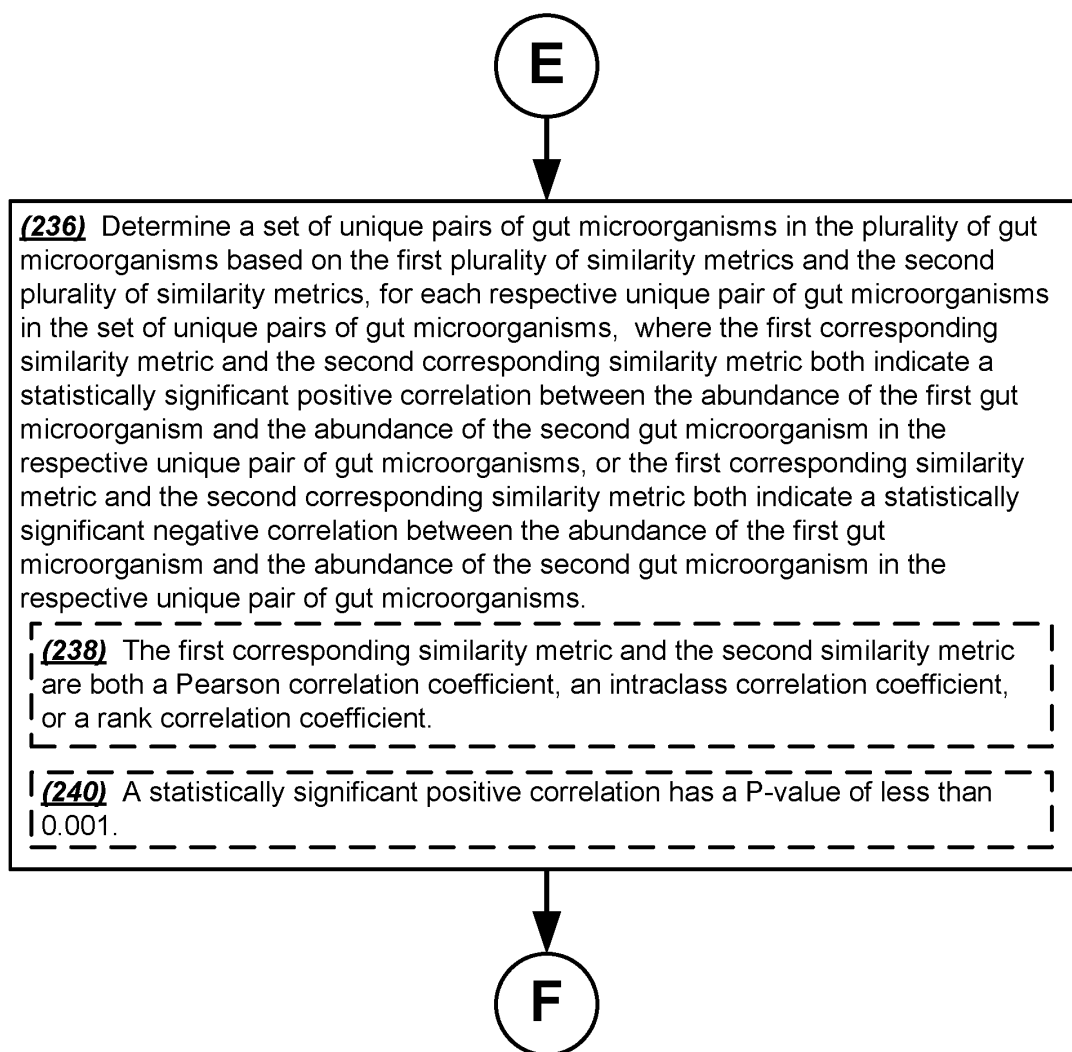


Fig. 2F

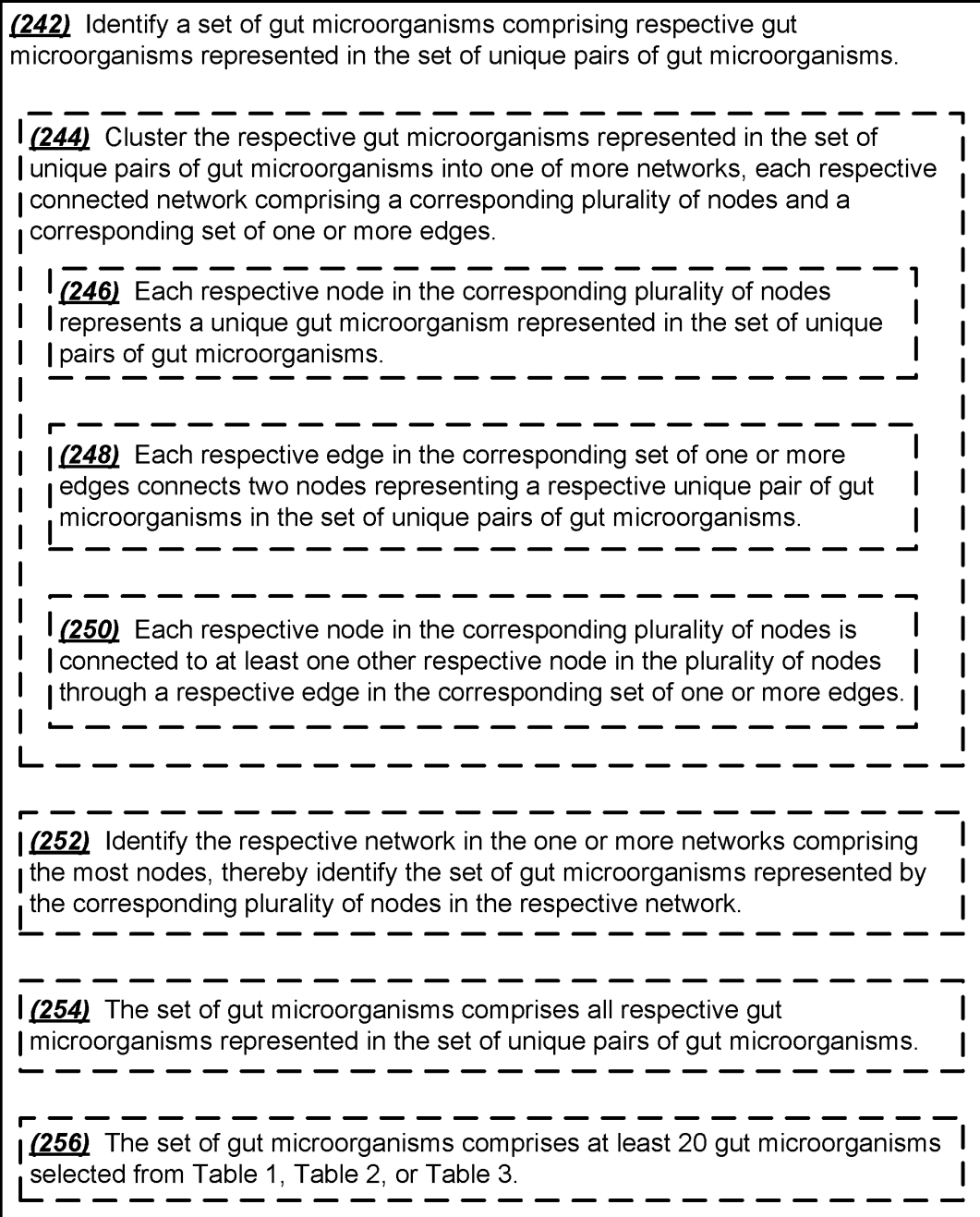
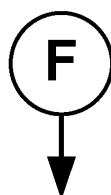


Fig. 2G

(300) Obtain, in electronic form, for each respective training subject in a plurality of training subjects: (i) a corresponding plurality of genomic abundance values comprising, for each respective gut microorganism in a plurality of gut microorganisms, a corresponding value for the abundance of the genome of the respective gut microorganism in a corresponding biological sample from the gut of the respective training subject, and (ii) a corresponding state of a biological characteristic of the respective training subject.

(302) Sequence, for each respective subject in the plurality of training subjects, genomic DNA from the corresponding biological sample from the gut of the respective training subject, thereby obtain the corresponding plurality of at least 100,000 nucleic acid sequences.

(304) The biological sample from the gut of the respective subject is a fecal sample from the respective training subject.

(306) The plurality of gut microorganisms comprise at least 20 gut microorganisms selected from Table 1, Table 2, or Table 3.

(308) The plurality of gut microorganisms comprises at least 20 microorganisms selected from those microorganisms in Table 1, Table 2, or Table 3 having a connectivity of at least 2.

(310) For each respective training subject in the plurality of training subjects, obtain, in electronic form, a corresponding plurality of at least 100,000 nucleic acid sequences for genomic DNA from the corresponding biological sample from the gut of the respective training subject, and determine, for each respective gut microorganism in the plurality of gut microorganisms, the corresponding value for the abundance of the genome of the respective gut microorganism from the corresponding first plurality of at least 100,000 nucleic acid sequences.

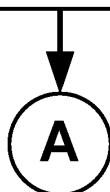


Fig. 3A



(300 continued)

(310 continued)

(312) For each respective training subject in the plurality of training subjects, assemble a corresponding plurality of gut microorganism genomes by metagenomic de novo sequence assembly from the corresponding plurality of at least 100,000 nucleic acid sequences. Calculate, for each respective gut microorganism in the plurality of gut microorganisms, the corresponding value for the abundance of the genome of the respective gut microorganism based on the prevalence of respective nucleic acid sequences used to assemble a respective gut microorganism genome in the plurality of gut microorganism genomes corresponding to the respective gut microorganism.

(314) For each respective subject in the plurality of training subjects, assign each respective nucleic acid sequence in the corresponding plurality of sequences to a respective gut microorganism in the plurality of gut microorganisms, to generate, for each respective gut microorganism in the plurality of gut microorganism, a corresponding count of respective nucleic acid sequences in the corresponding plurality of nucleic acid sequences assigned to the respective gut microorganism, and determine, for each respective gut microorganism in the plurality of gut microorganisms, the corresponding genomic abundance value for the respective gut microorganism based on the corresponding count of respective nucleic acid sequences assigned to the respective gut microorganism.

(316) The biological characteristic is a disease or disorder, a therapy administered to the subject, or a diet of the subject.

(318) The disease or disorder is selected from the group consisting of type-2 diabetes, hypertension, schizophrenia, atherosclerotic cardiovascular disease (ACVD), liver cirrhosis (LC), inflammatory bowel diseases (IBD), colorectal cancer (CRC), ankylosing spondylitis (AS), and Parkinson's disease (PD).

(320) The disease or disorder is cancer.



Fig. 3B

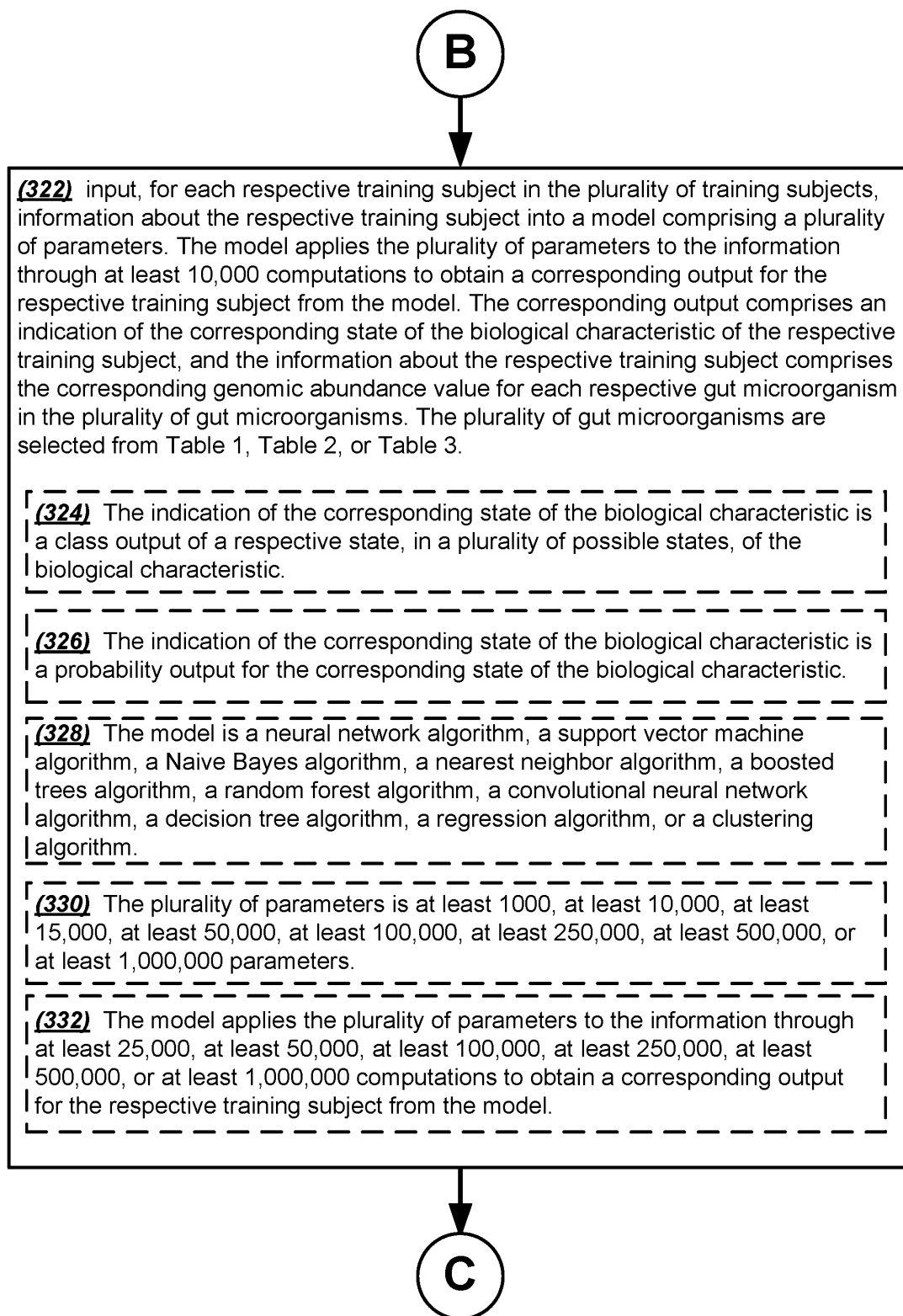
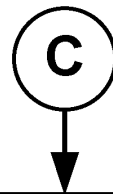


Fig. 3C



(334) adjust the plurality of parameters based on, for each respective training subject in the first plurality of training subjects, one or more differences between (i) the corresponding output from the model and (ii) the corresponding state of the biological characteristic of the respective training subject.

Fig. 3D

(400) Obtain, in electronic form, a plurality of genomic abundance values comprising, for each respective gut microorganism in a plurality of at least 20 gut microorganisms selected from Table 1, Table 2, or Table 3, a corresponding abundance value for the genome of the respective species of gut bacteria, in the plurality of at least 20 gut microorganisms, in a biological sample from the subject.

(402) Sequence genomic DNA from the biological sample from the gut of the subject, thereby obtain the plurality of at least 100,000 nucleic acid sequences.

(404) The biological sample from the gut of the subject is a fecal sample.

(406) The plurality of gut microorganisms comprises at least 20 microorganisms selected from those microorganisms in Table 1, Table 2, or Table 3 having a connectivity of at least 2.

(408) Obtain, in electronic form, a plurality of at least 100,000 nucleic acid sequences for genomic DNA from the biological sample from the gut of the subject; and determine, for each respective gut microorganism in the plurality of gut microorganisms, the corresponding value for the abundance of the genome of the respective gut microorganism from the plurality of at least 100,000 nucleic acid sequences.

(410) Assemble, in electronic form, a corresponding plurality of gut microorganism genomes by metagenomic de novo sequence assembly from the plurality of at least 100,000 nucleic acid sequences, and calculate, for each respective gut microorganism in the plurality of gut microorganisms, the corresponding value for the abundance of the genome of the respective gut microorganism based on the prevalence of respective nucleic acid sequences, in the plurality of at least 100,000 nucleic acid sequences, used to assemble a respective gut microorganism genome in the plurality of gut microorganism genomes corresponding to the respective gut microorganism.

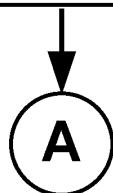


Fig. 4A

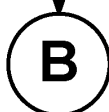
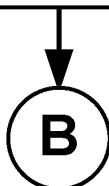
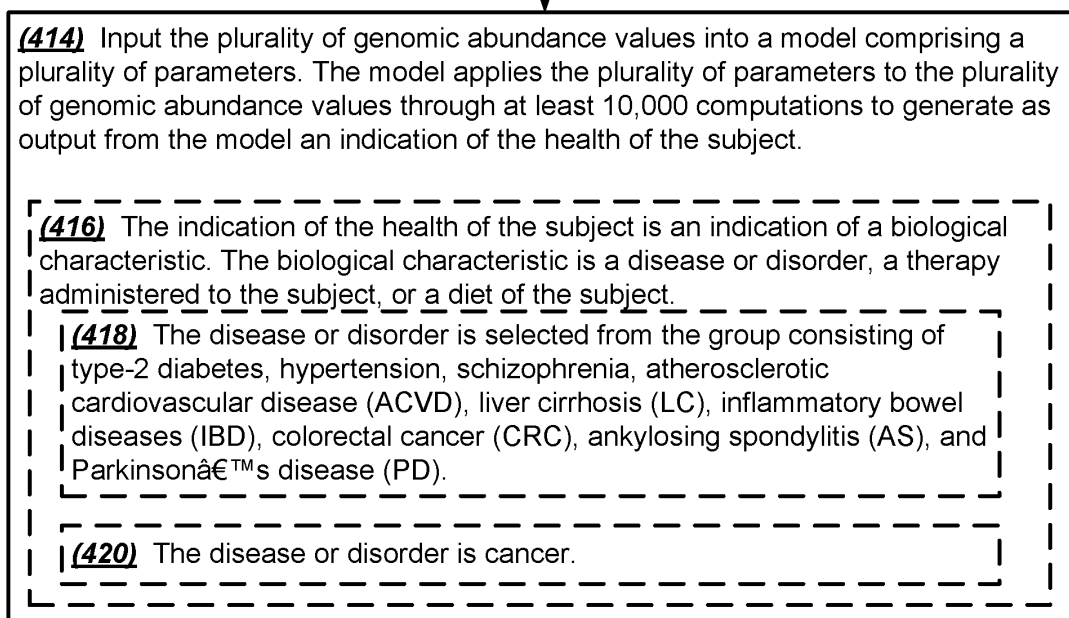
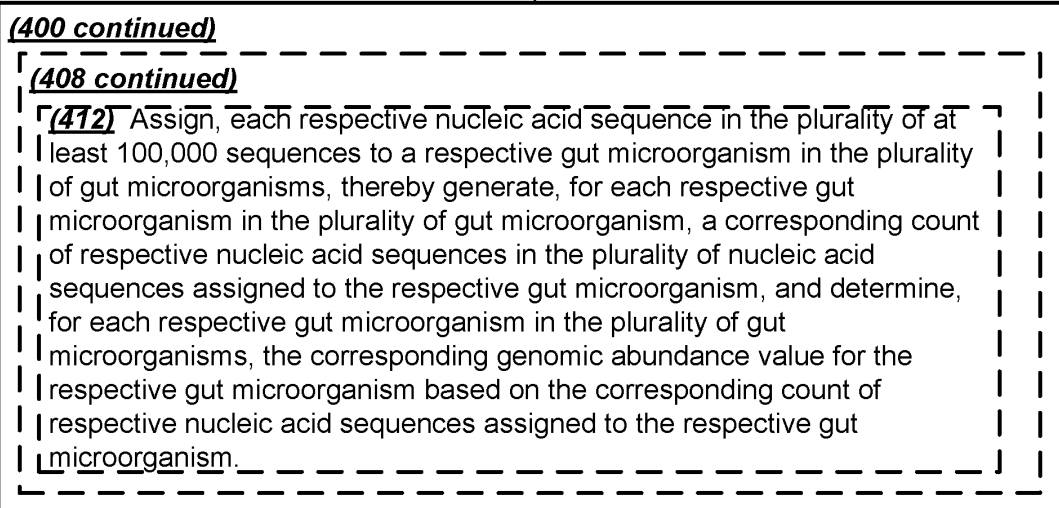
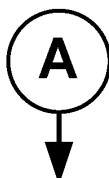


Fig. 4B

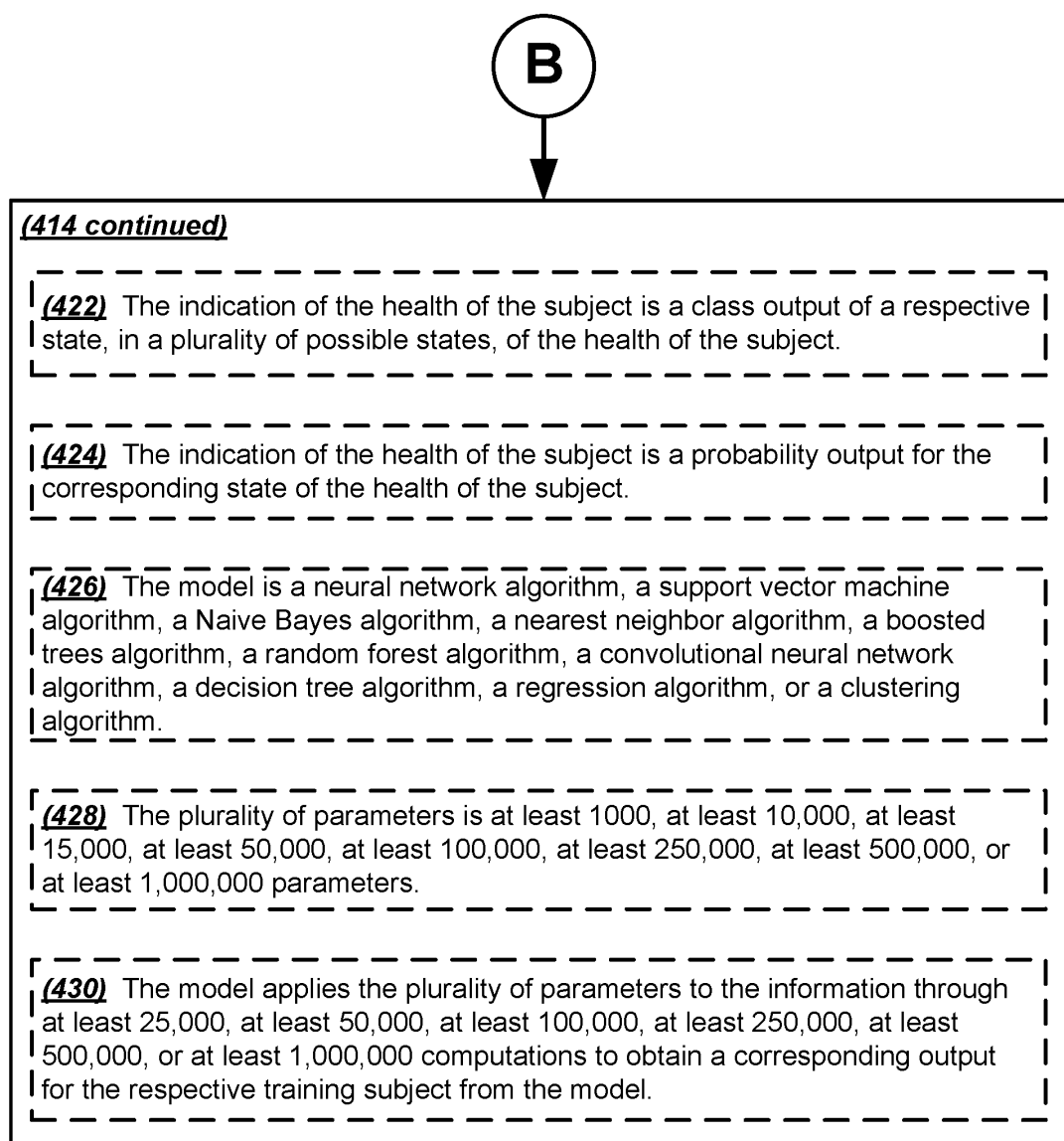


Fig. 4C

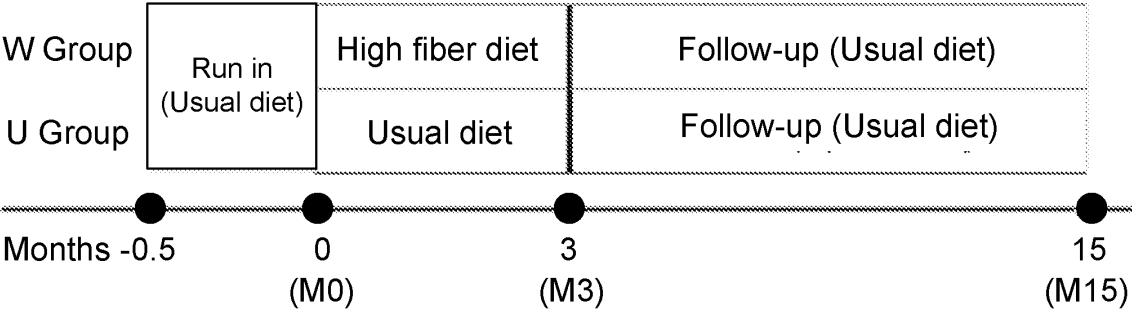


FIG. 5A

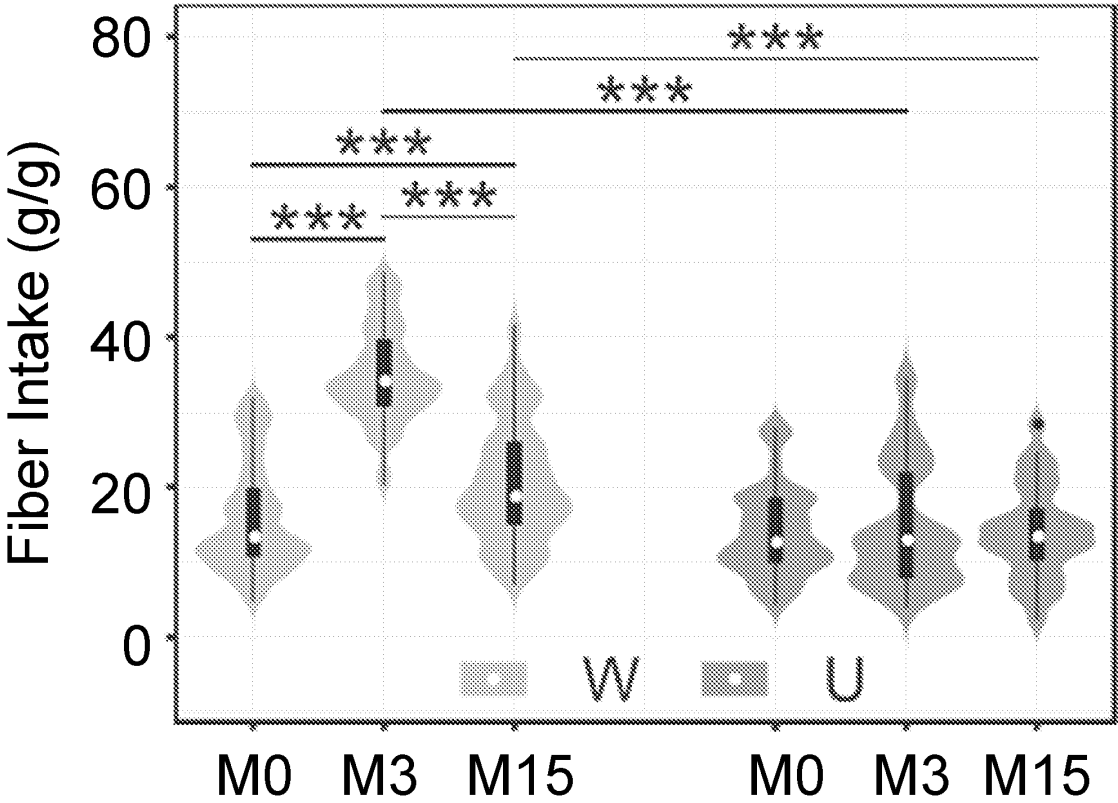


FIG. 5B

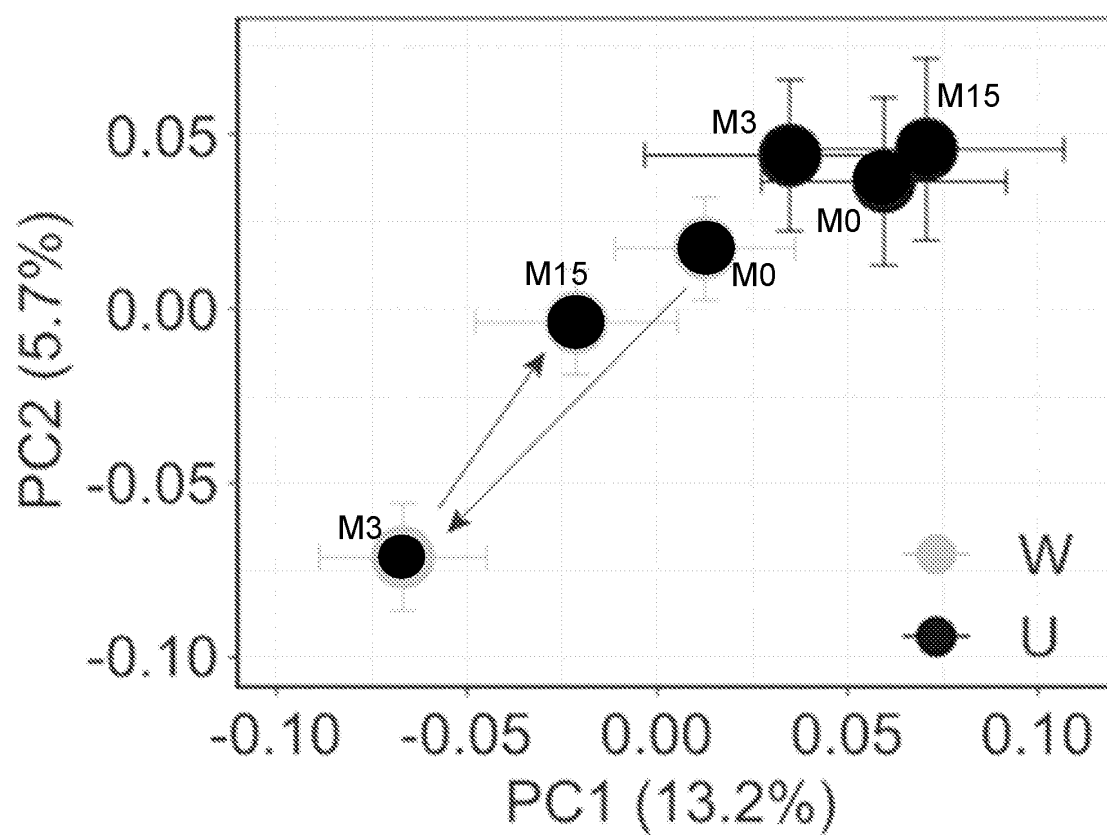


FIG. 5C

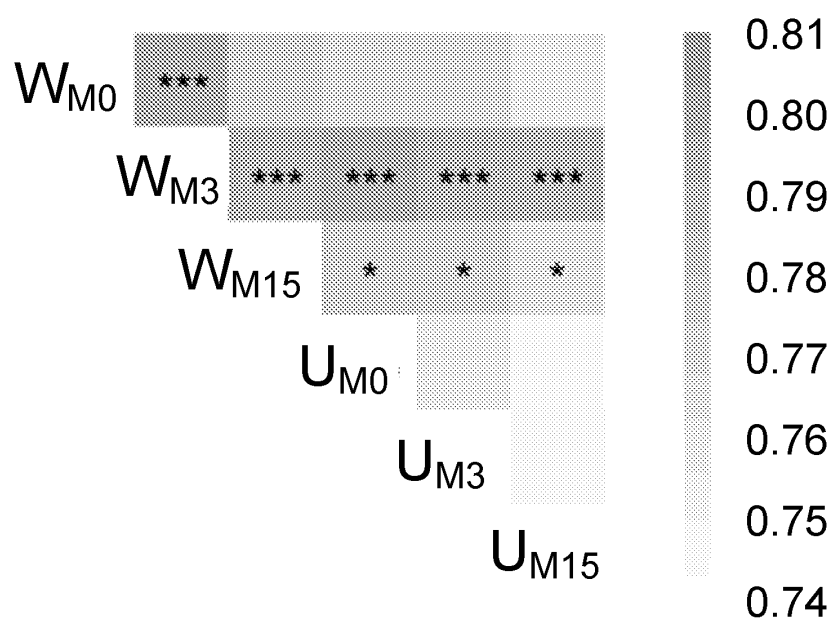


FIG. 5D

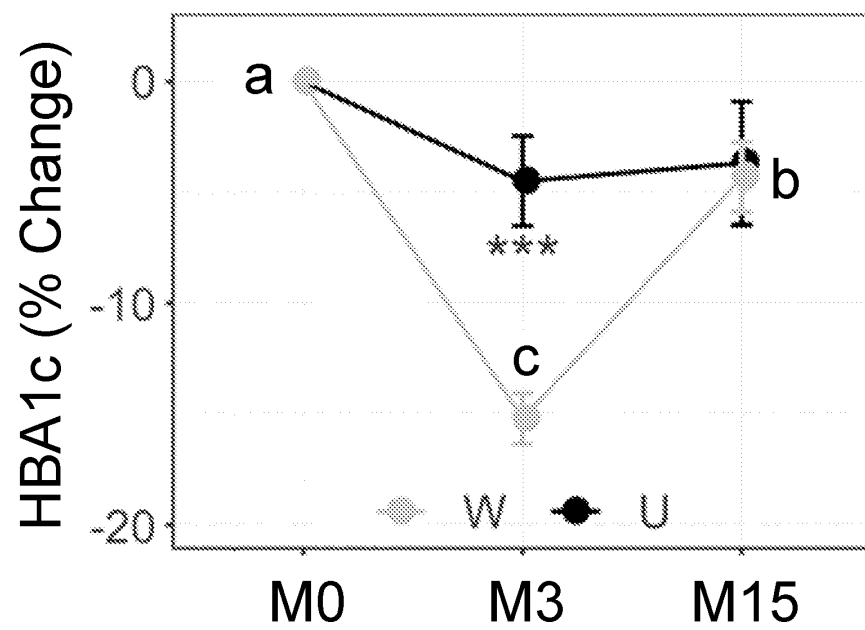


FIG. 5E

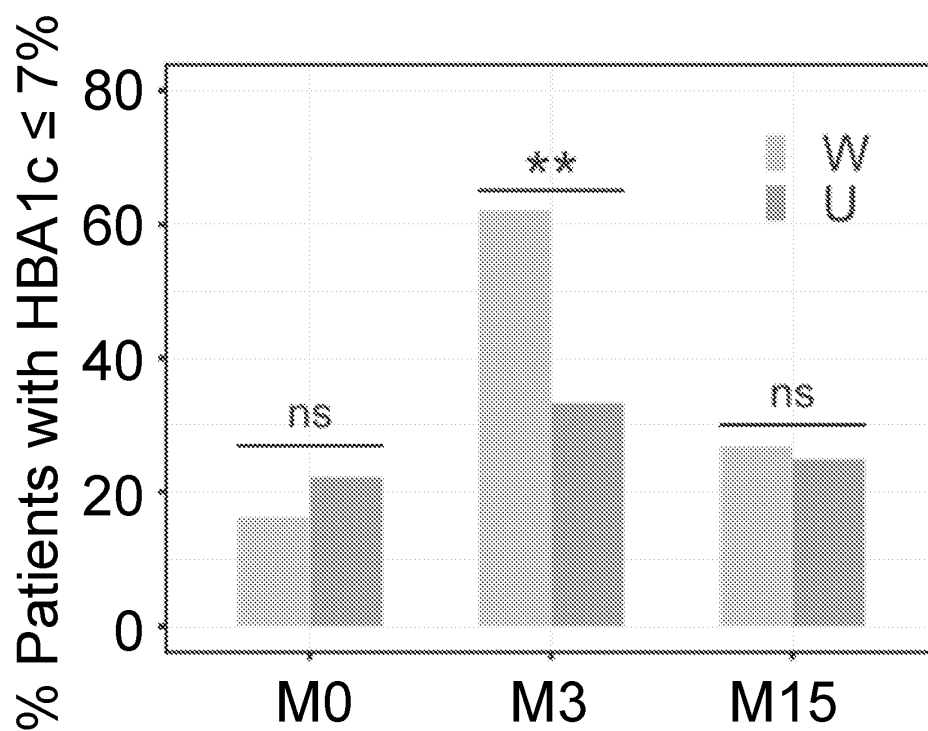


FIG. 5F

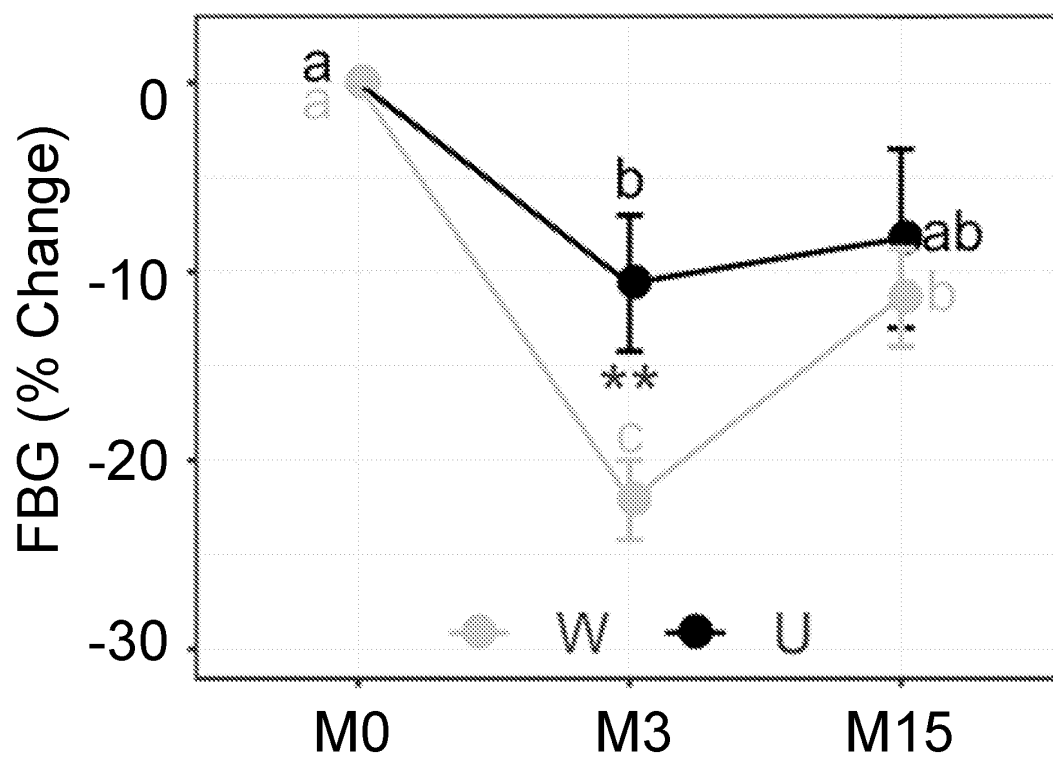


FIG. 5G

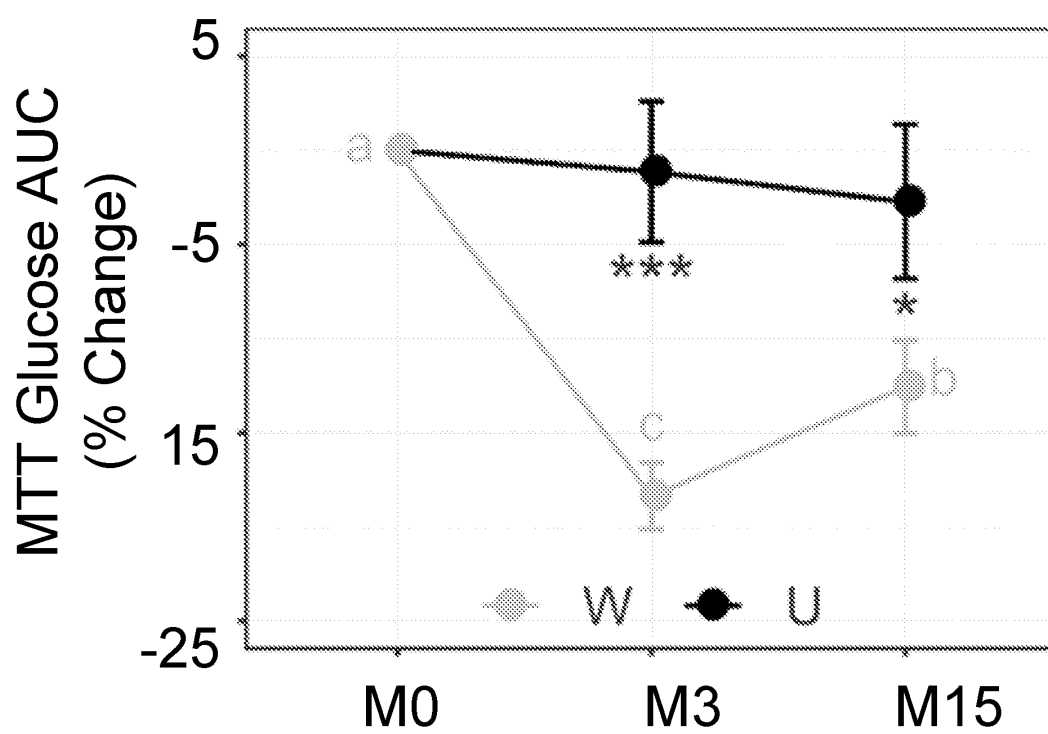
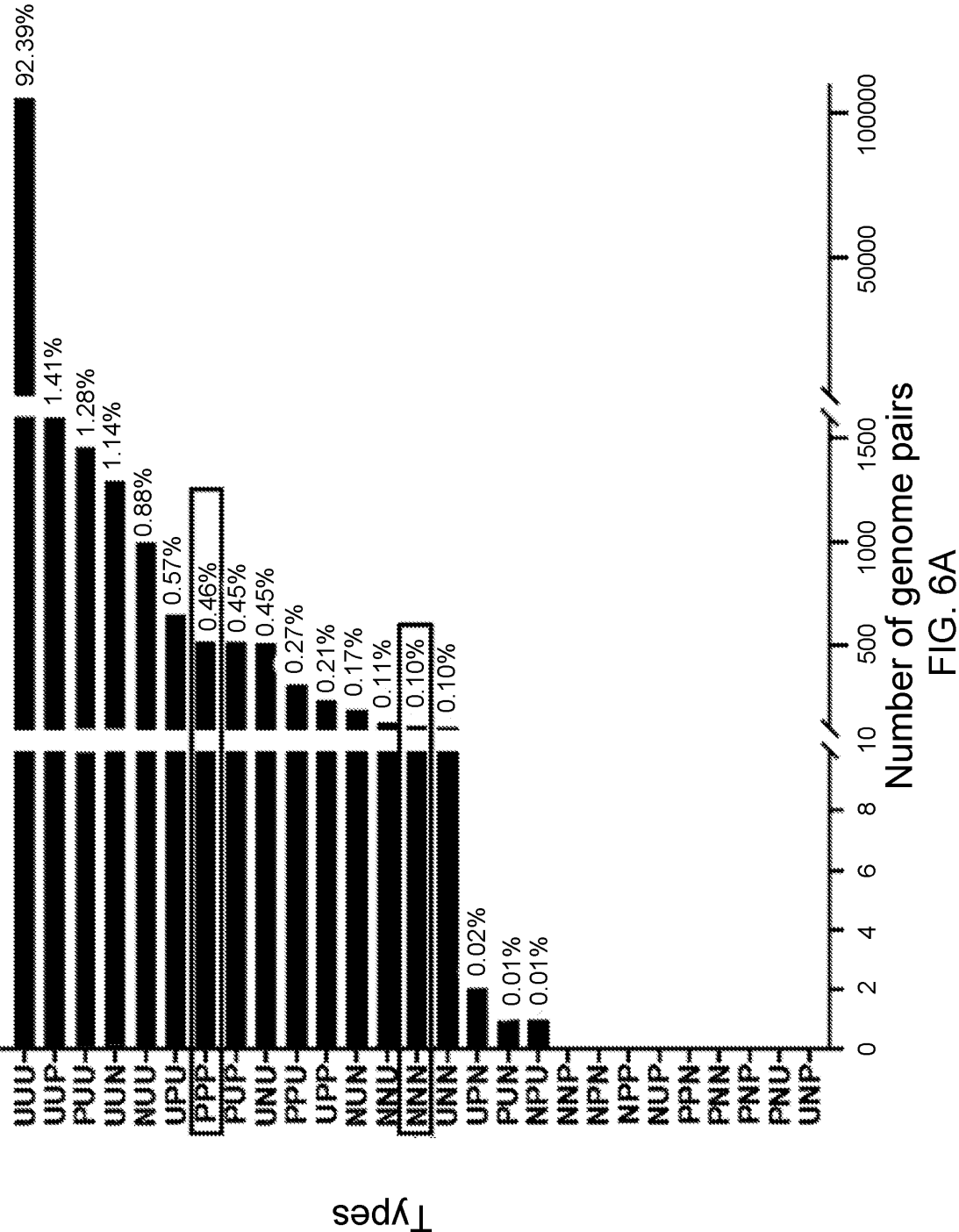


FIG. 5H



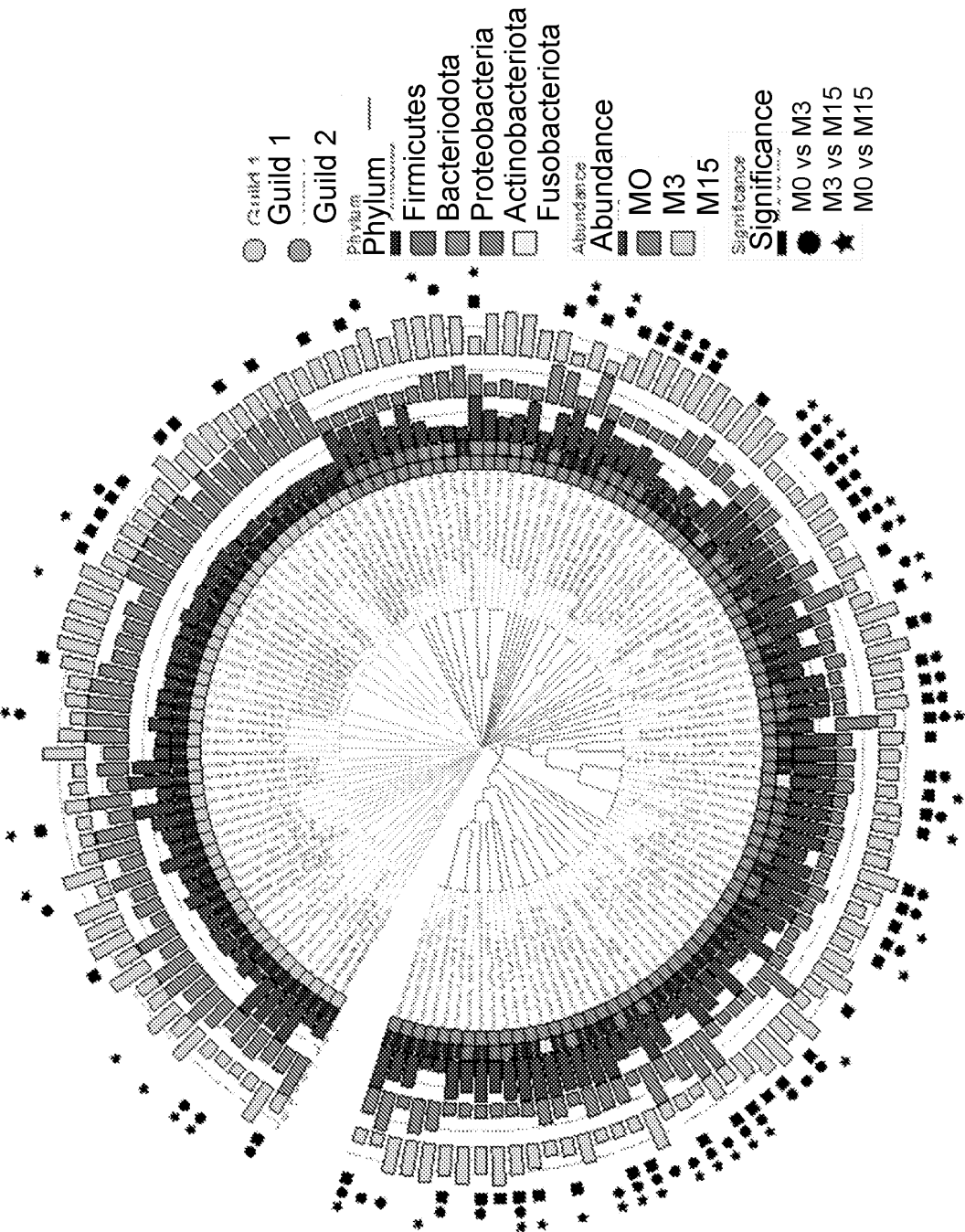


FIG. 6B1

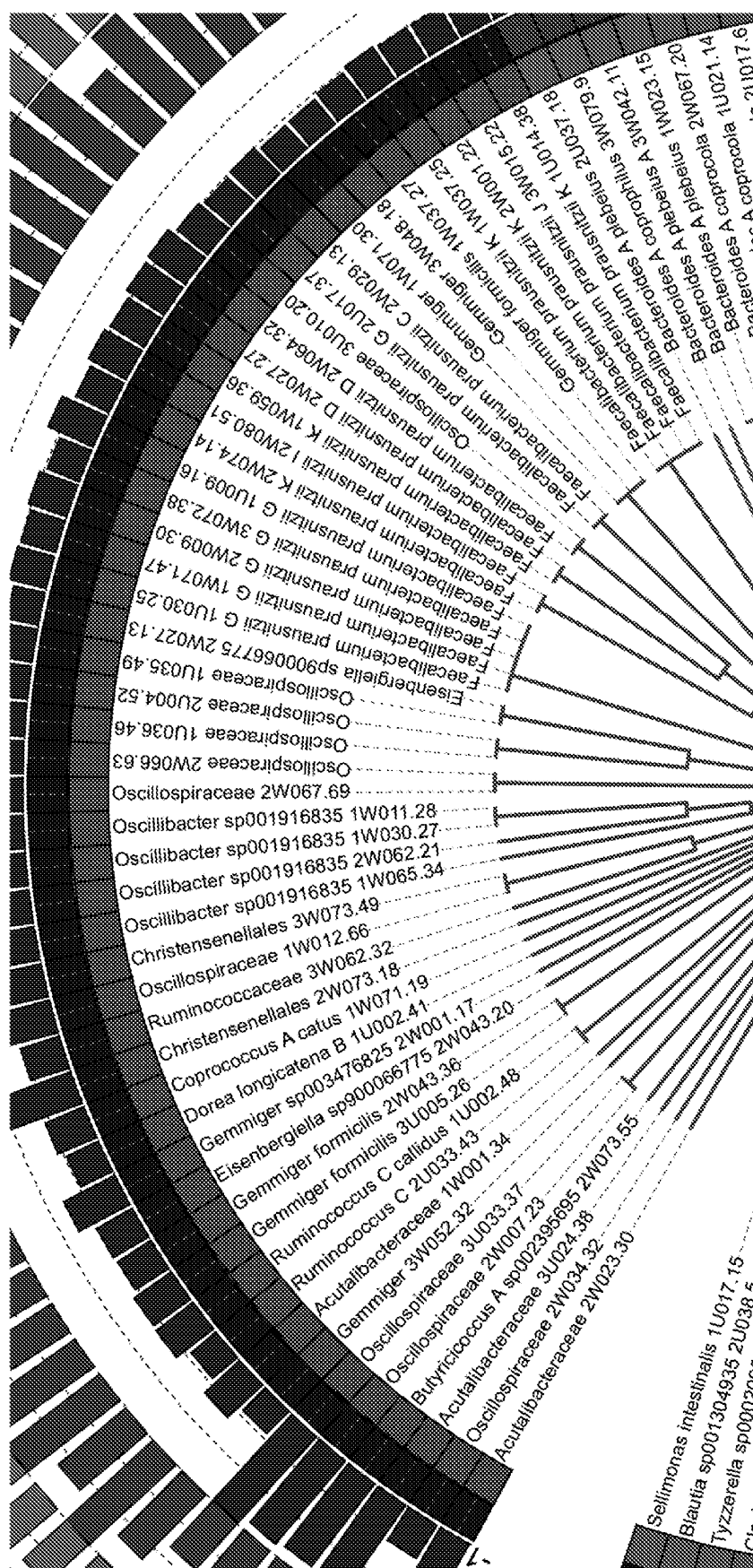
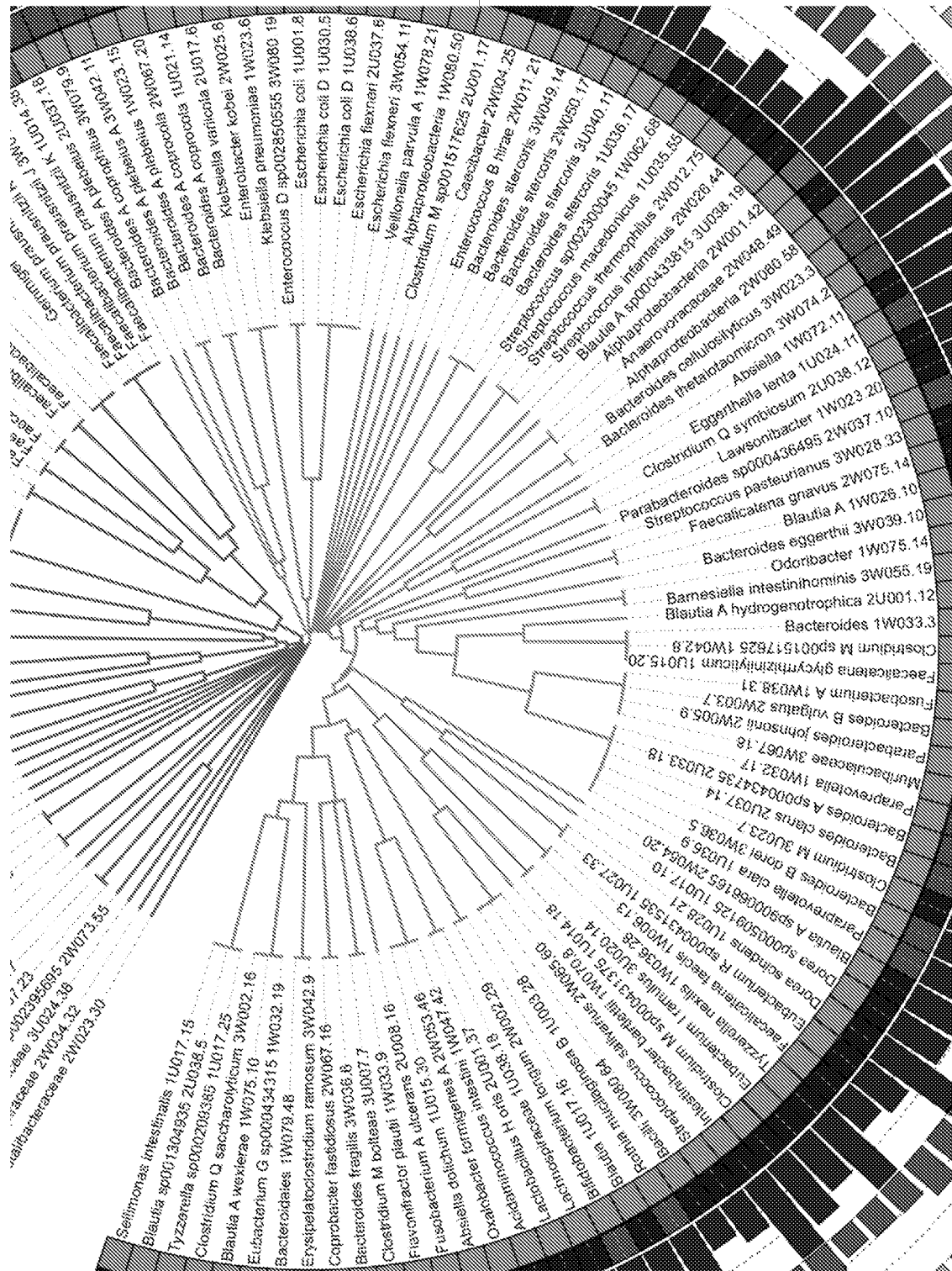


FIG. 6B2



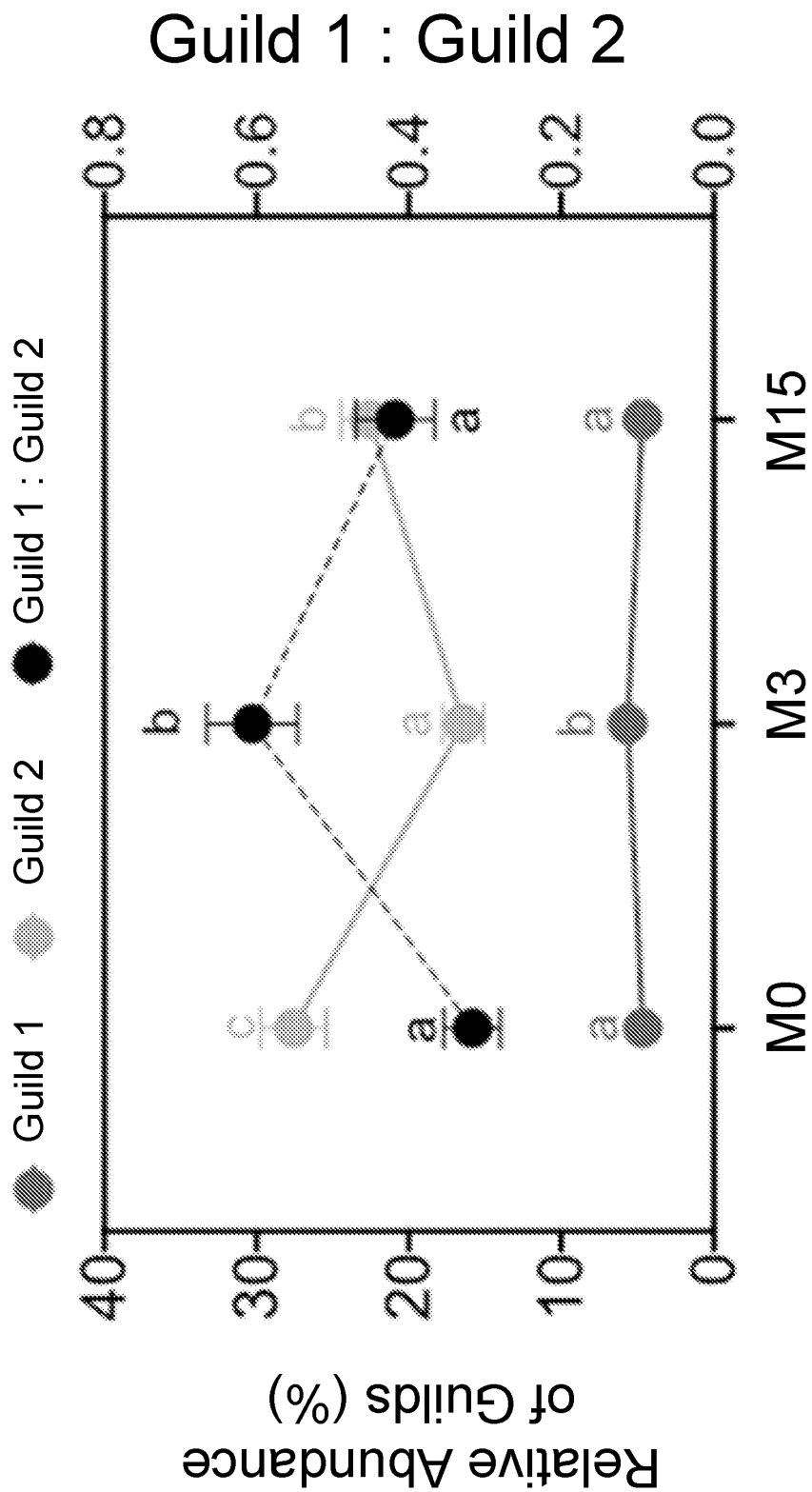


FIG. 7A

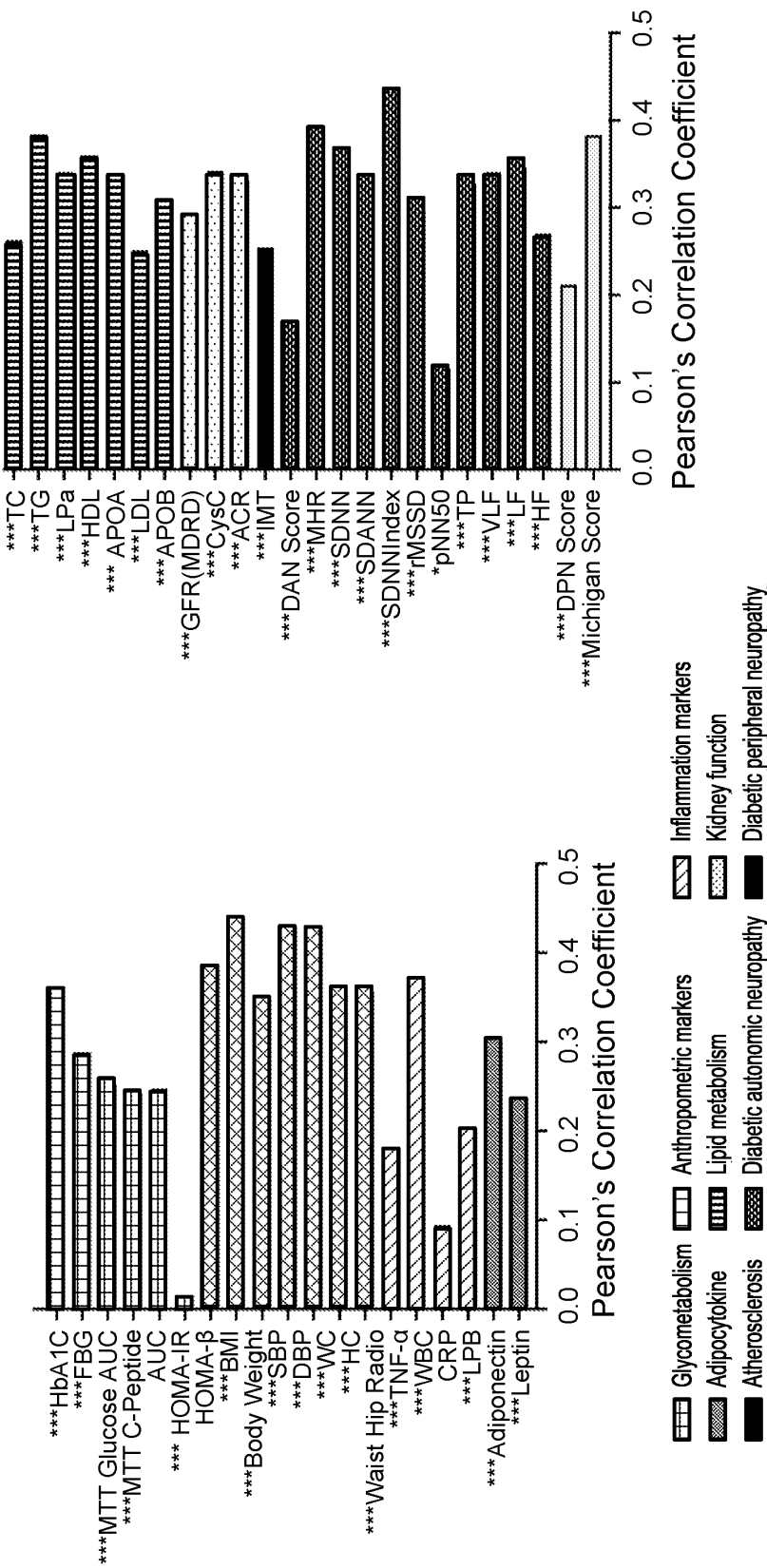


FIG. 7B

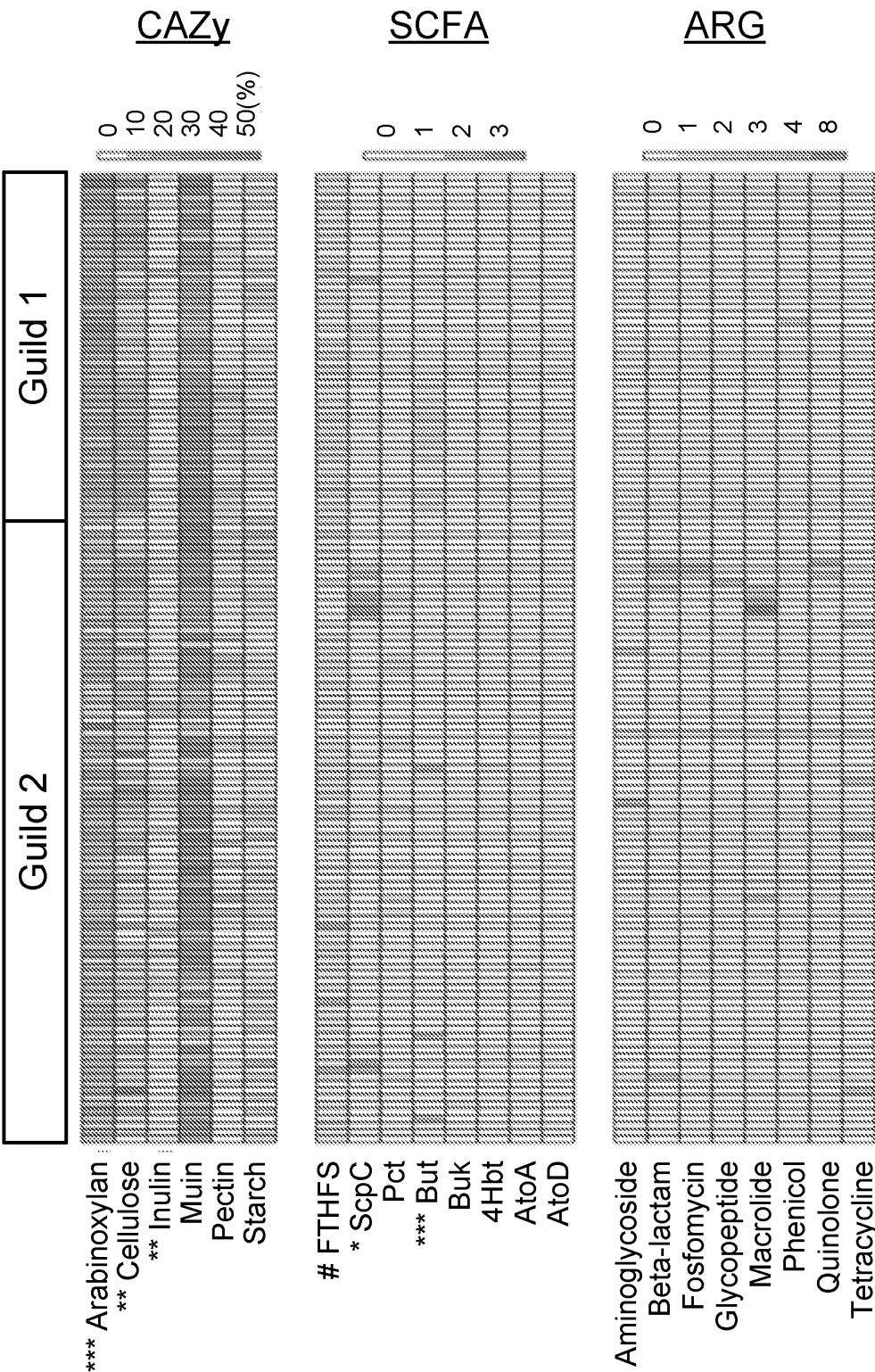


FIG. 7C1

Type 2 Diabetes

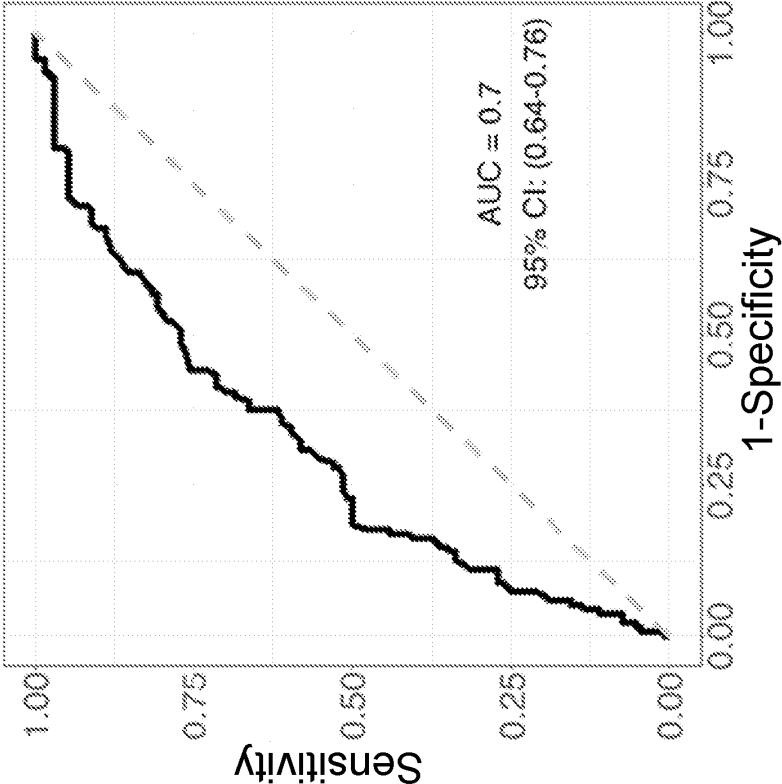


FIG. 8A1

Atherosclerotic cardiovascular disease (ACVD)

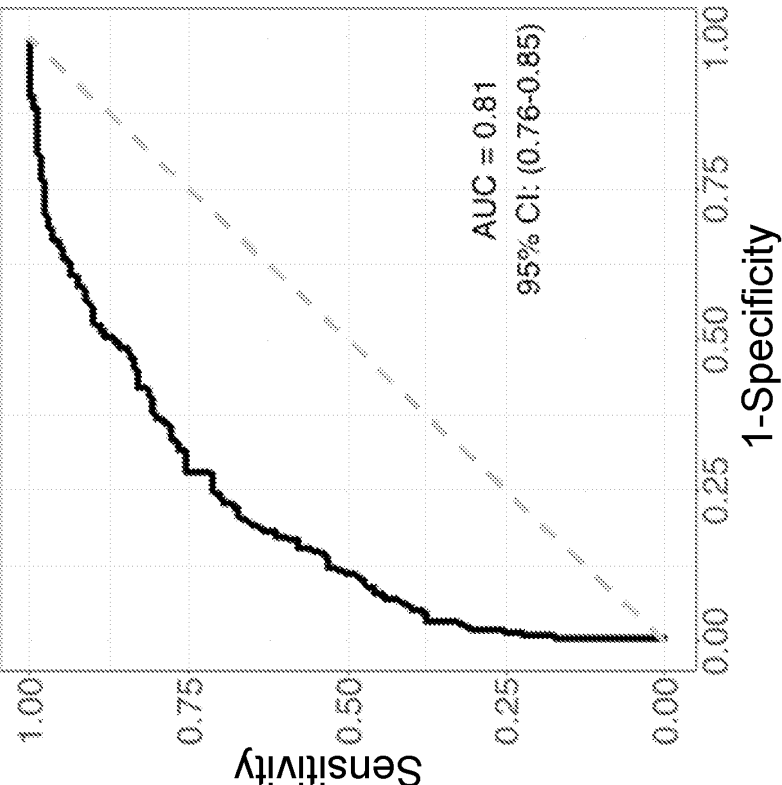


FIG. 8A2

Liver Cirrhosis (LC)

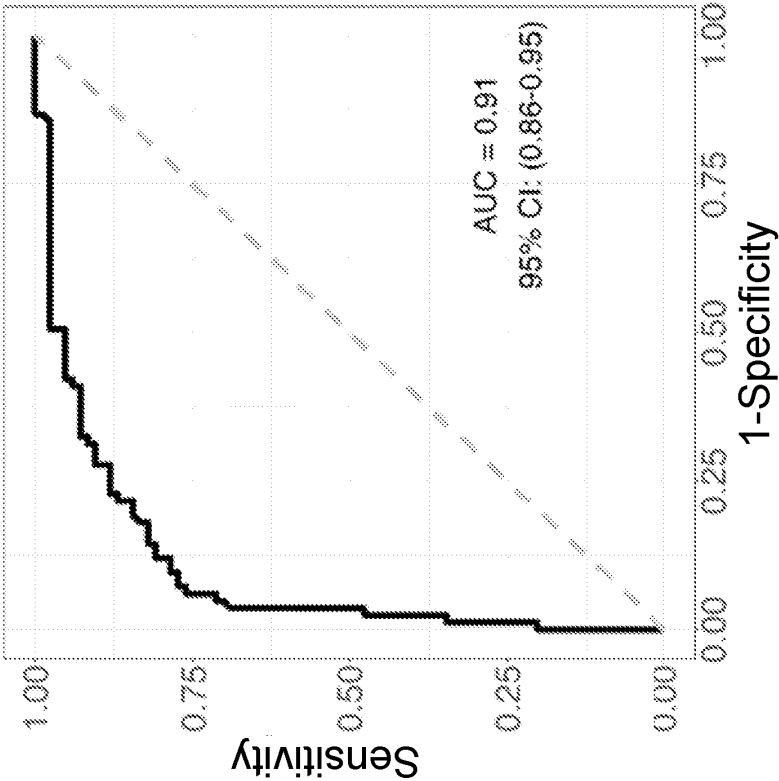


FIG. 8A3

Ankylosing spondylitis (AS)

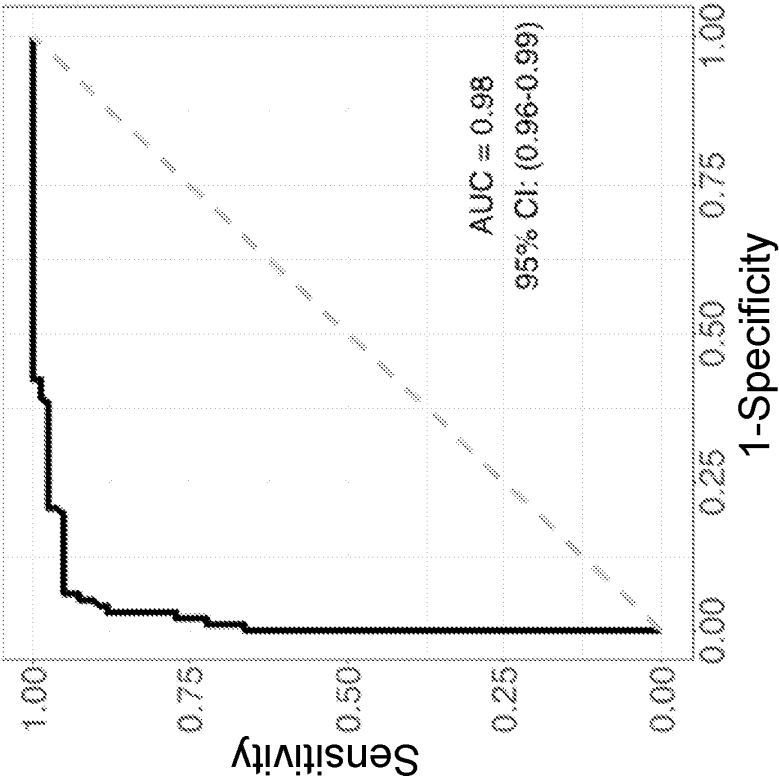


FIG. 8A4

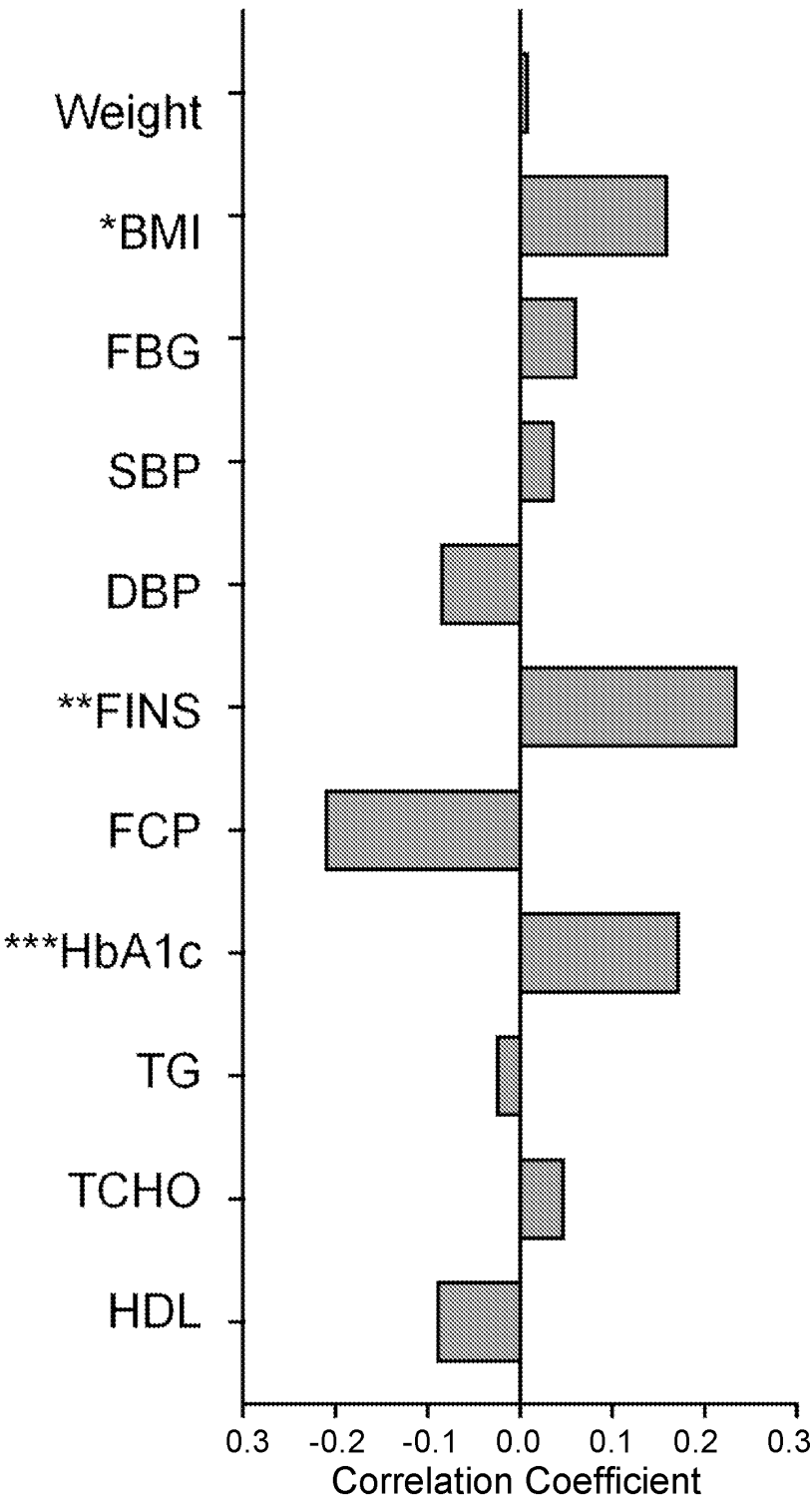


FIG. 8B

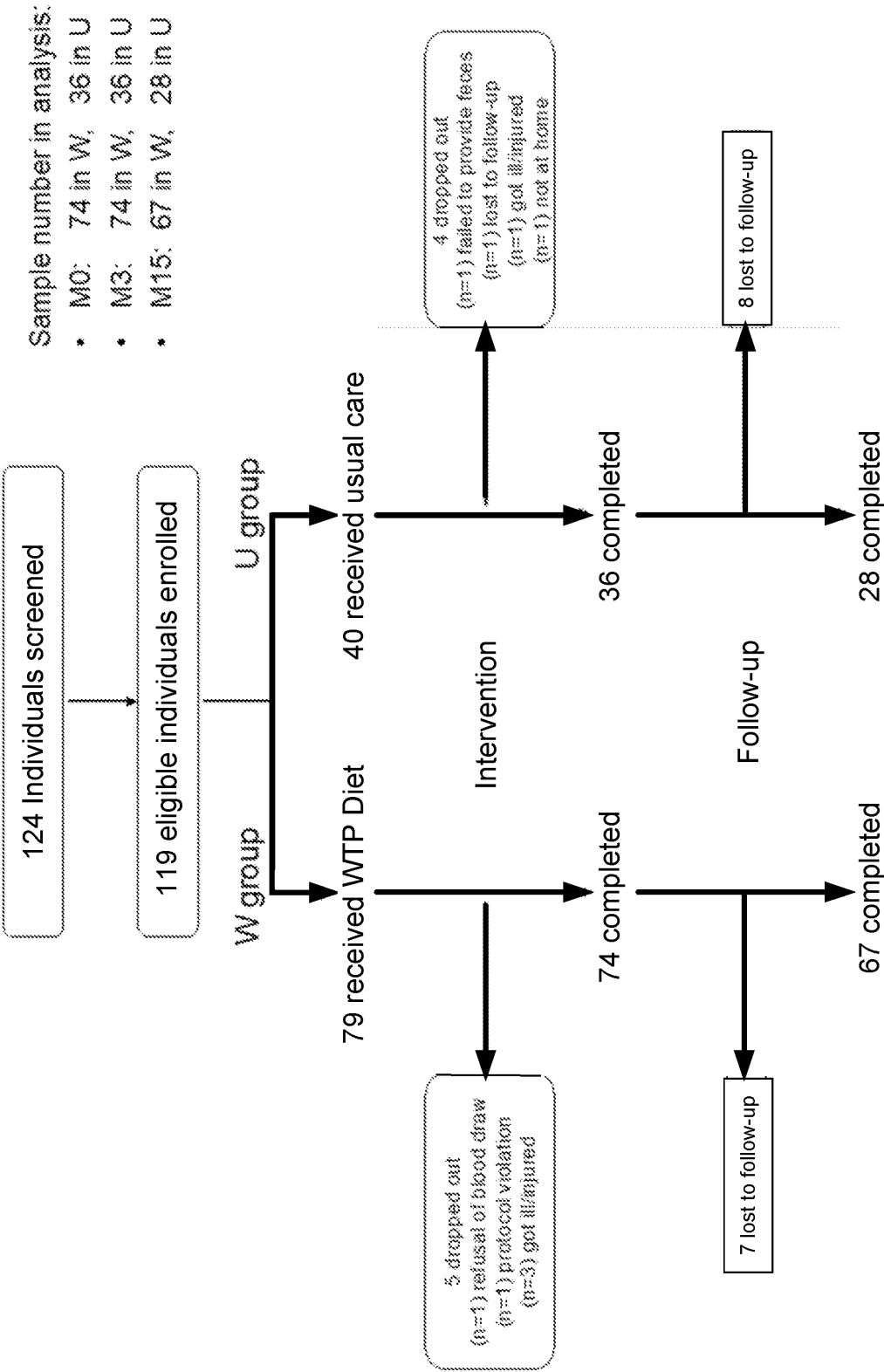


FIG. 9

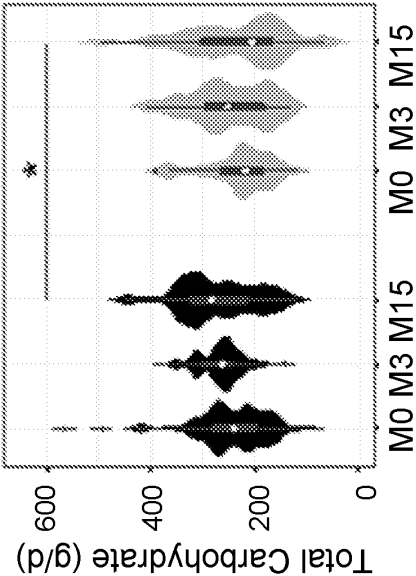


FIG. 10B

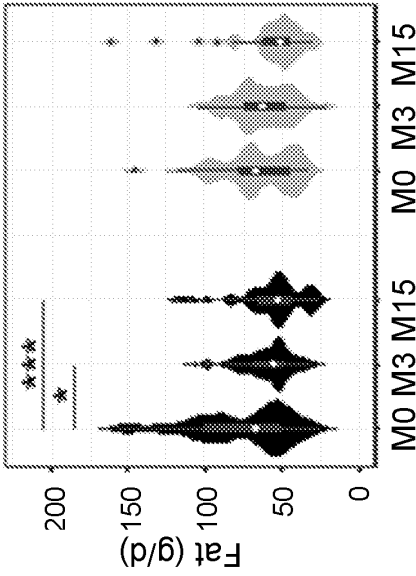


FIG. 10D

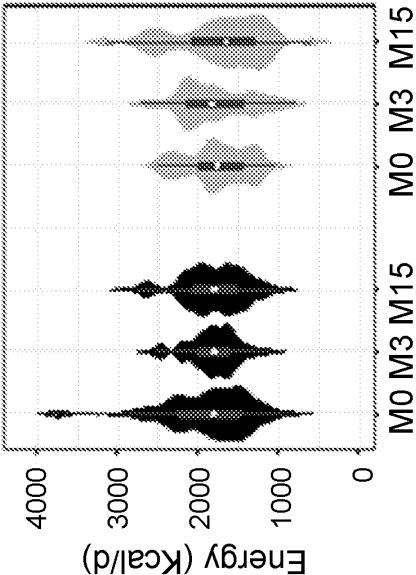


FIG. 10A

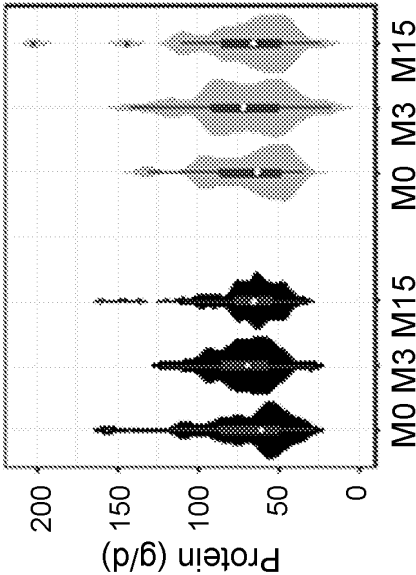


FIG. 10C

U

W

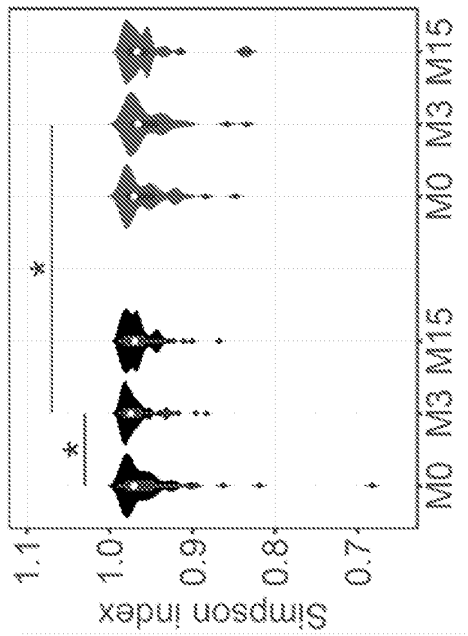


FIG. 11B

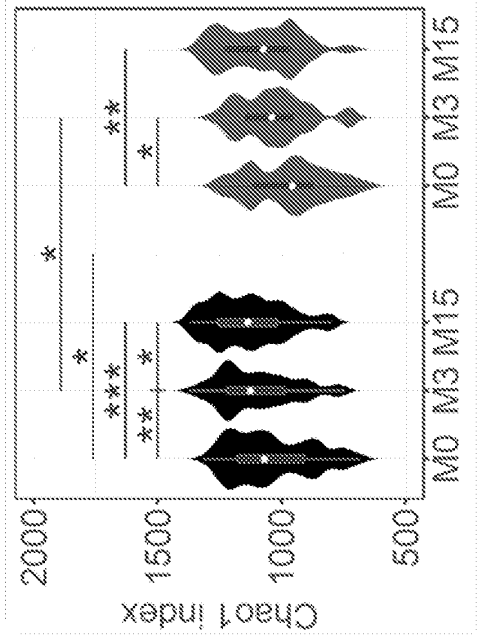


FIG. 11D

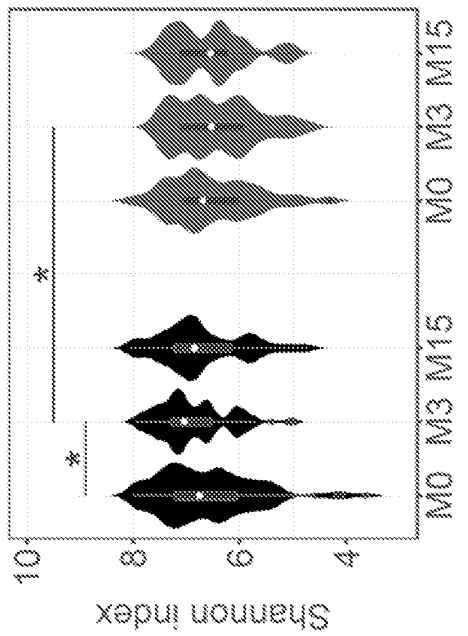


FIG. 11A

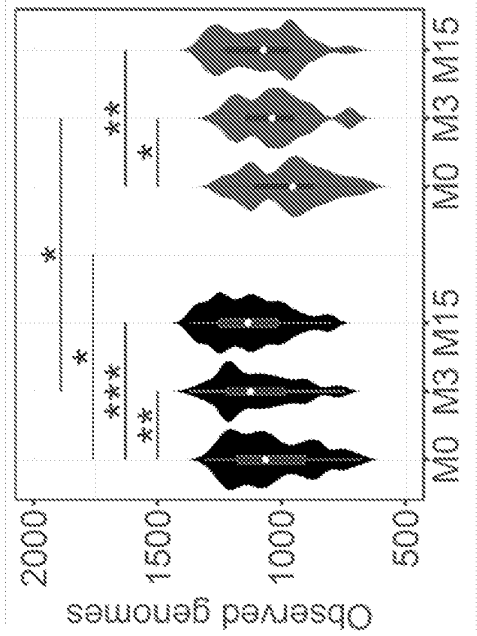


FIG. 11C

U

W

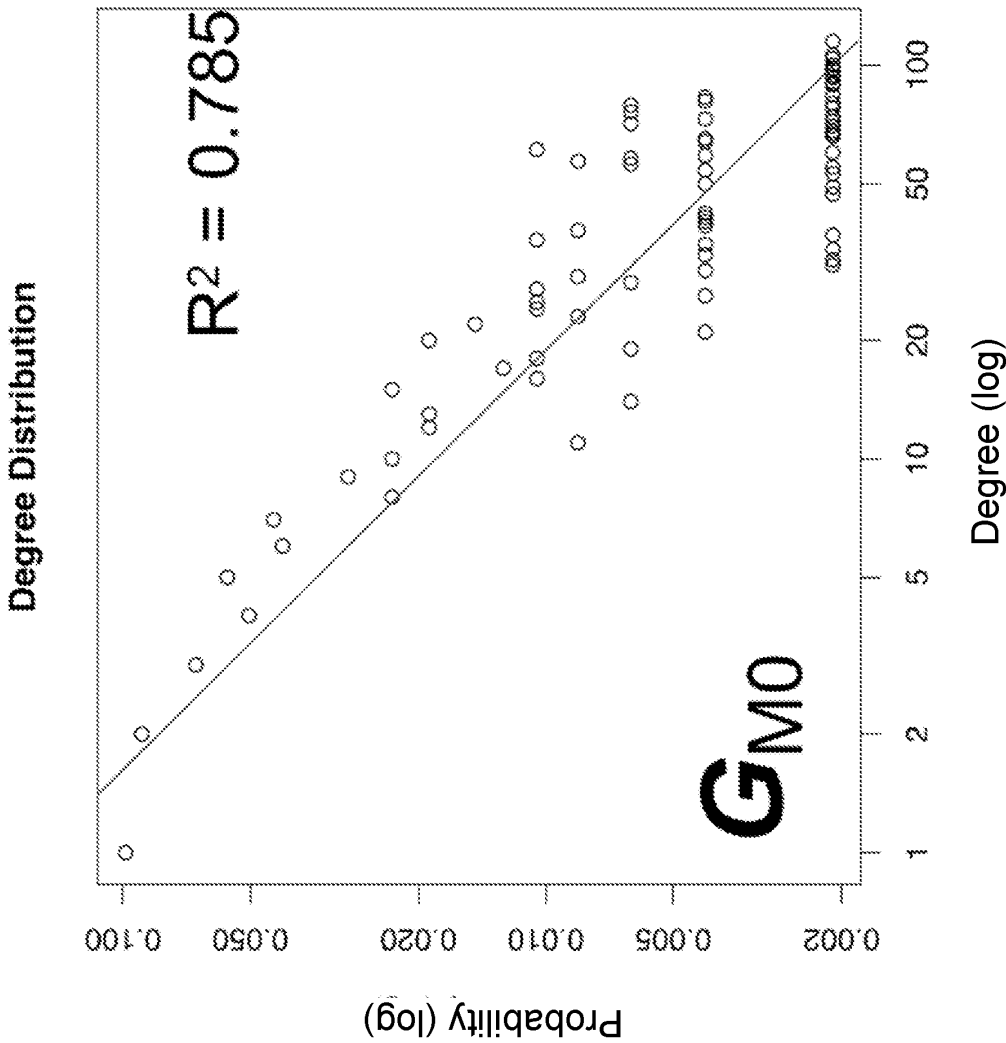
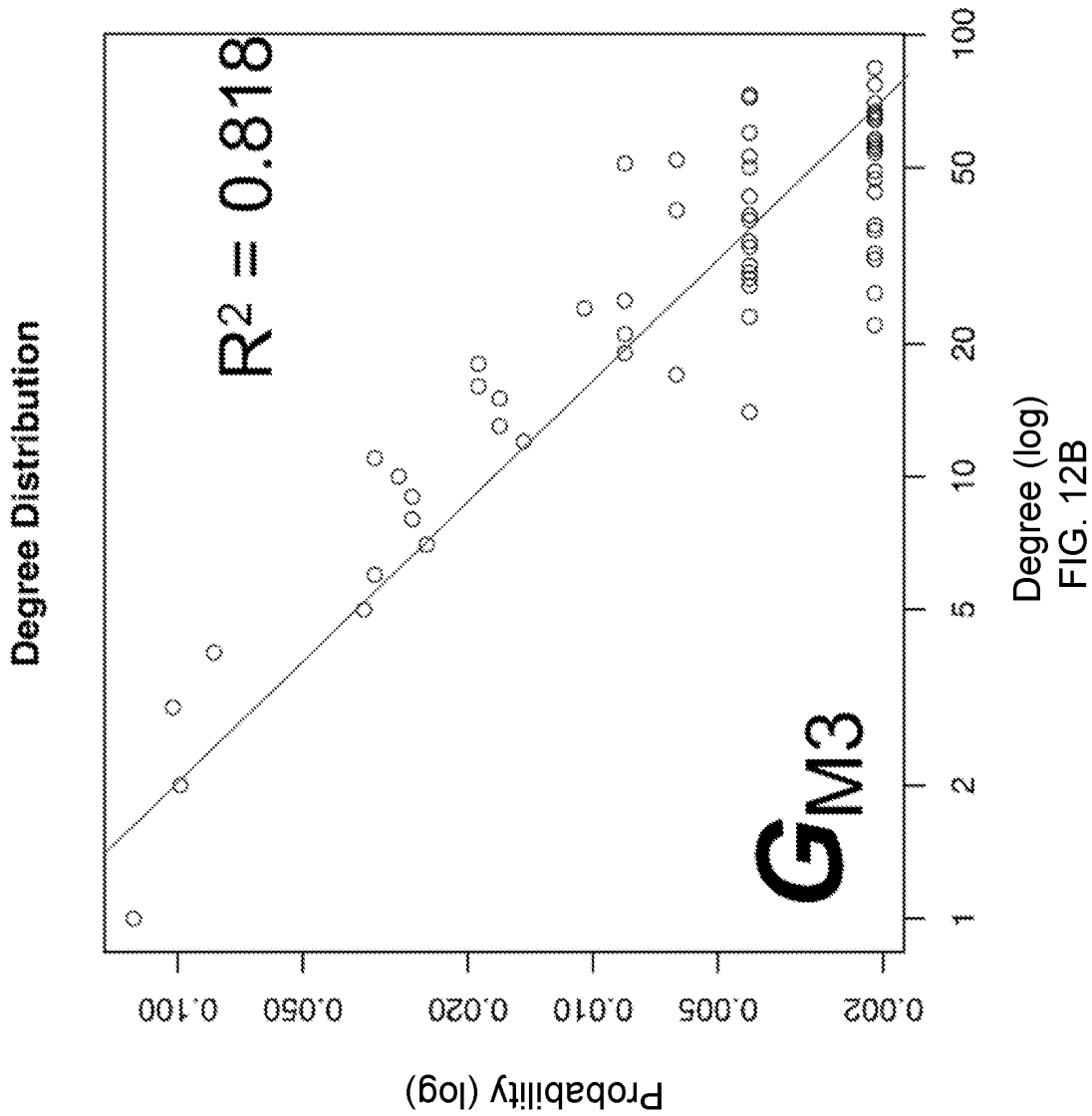
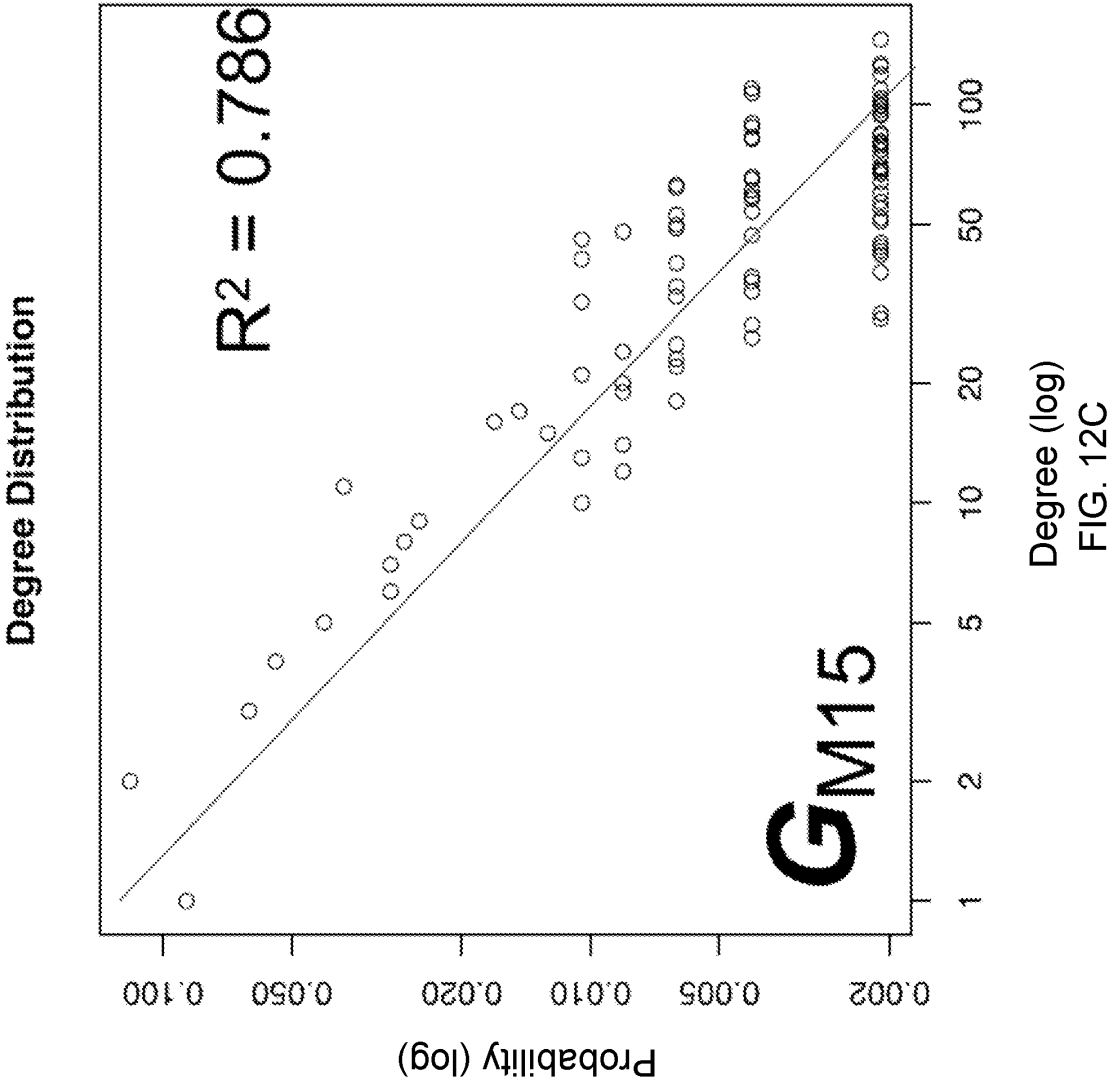


FIG. 12A





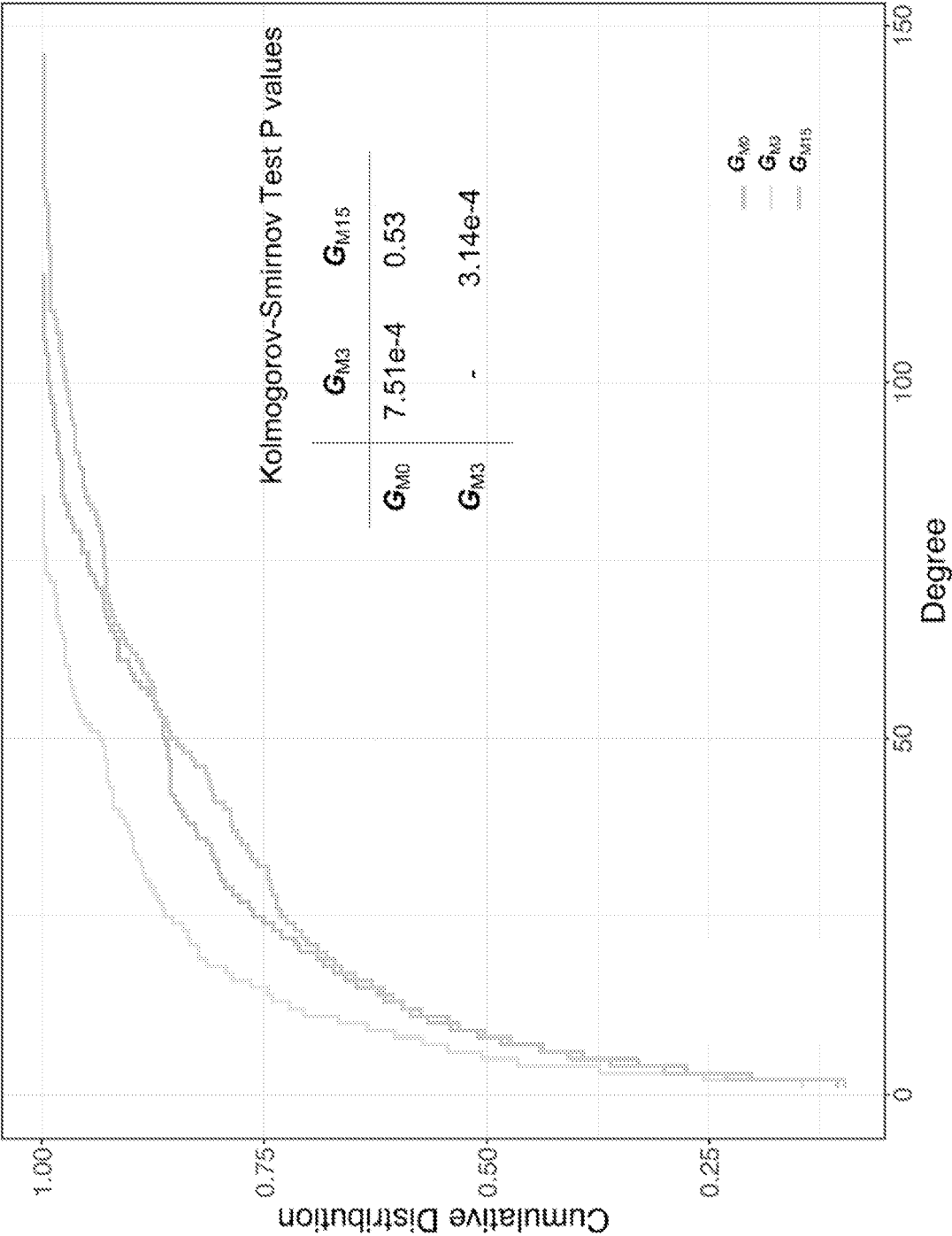


FIG. 13

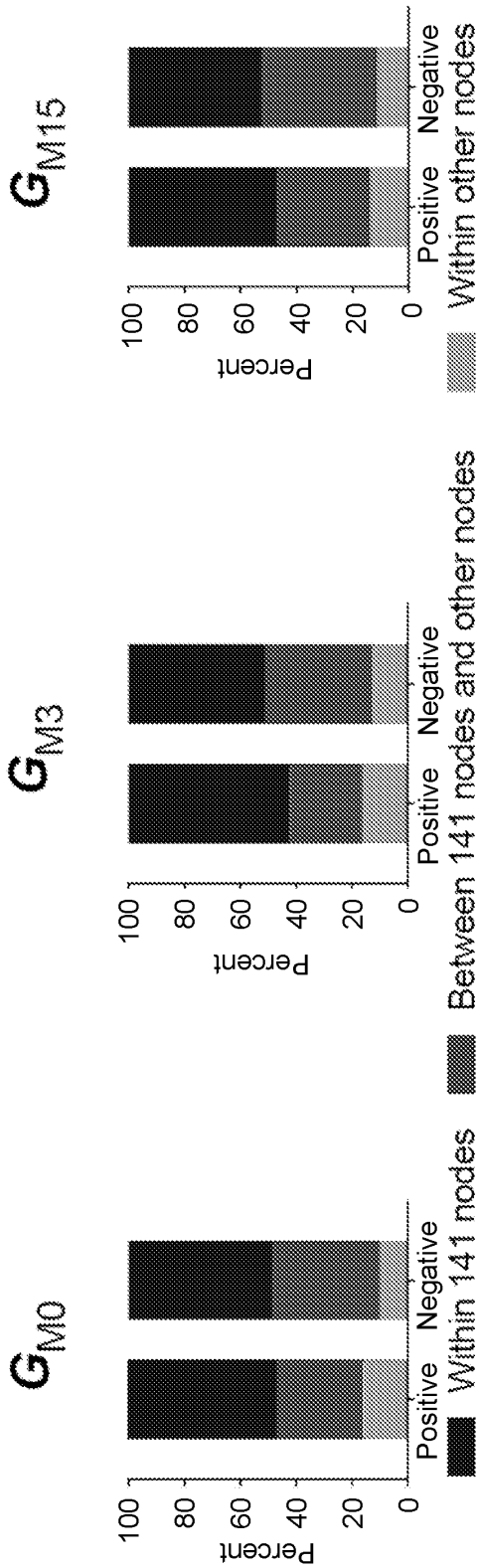


FIG. 14A

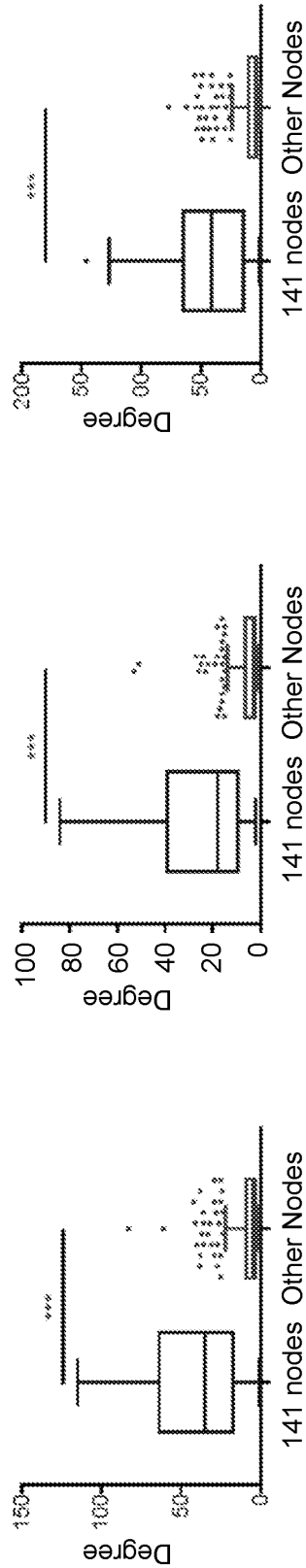


FIG. 14B

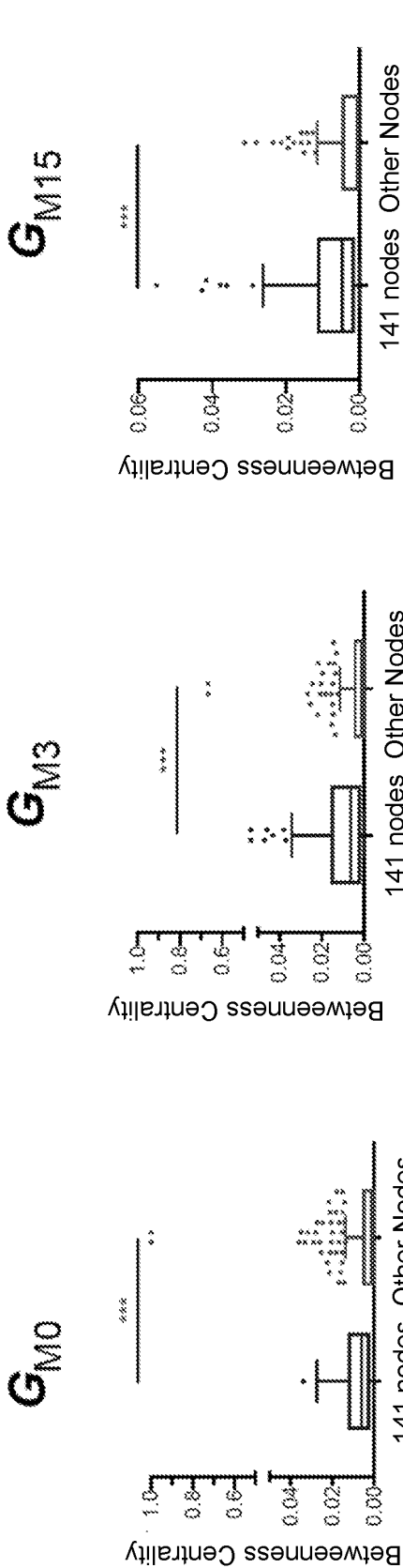


FIG. 14C

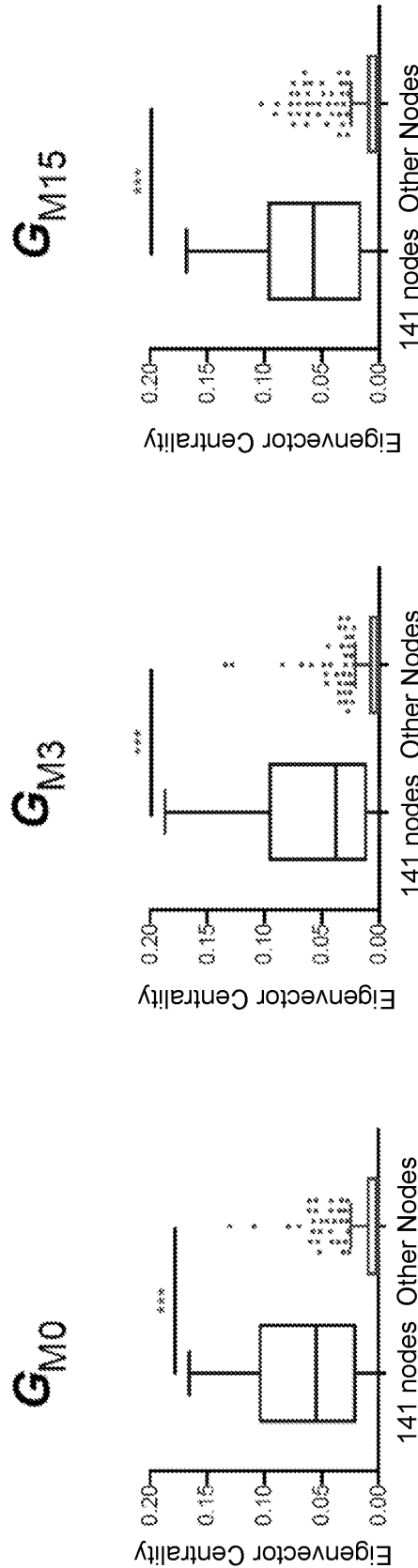


FIG. 14D

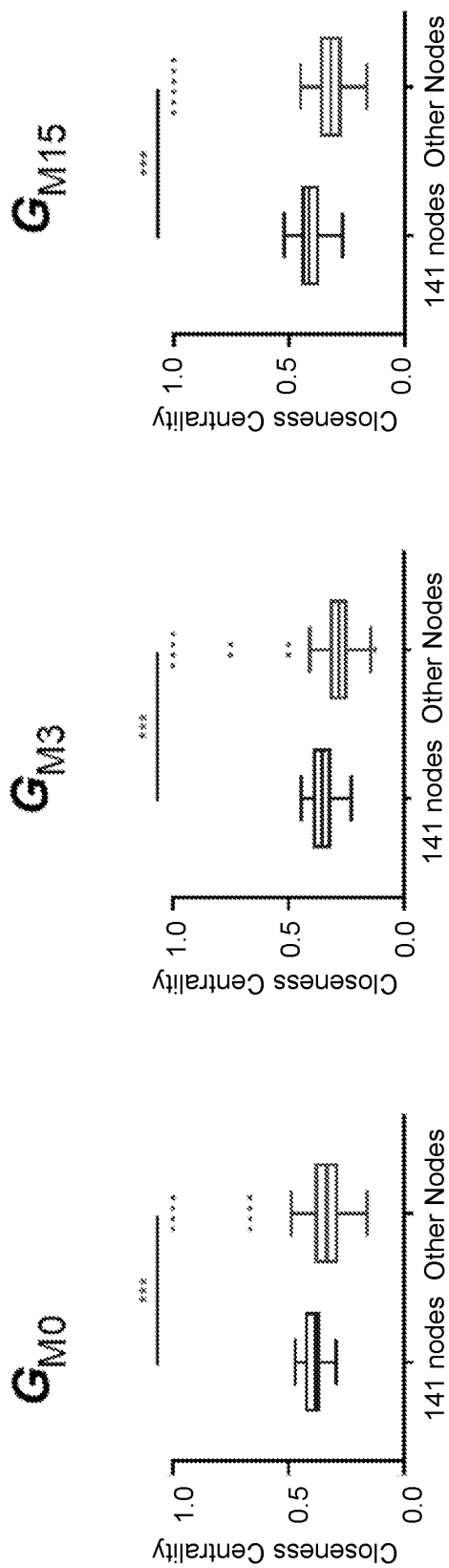


FIG. 14E

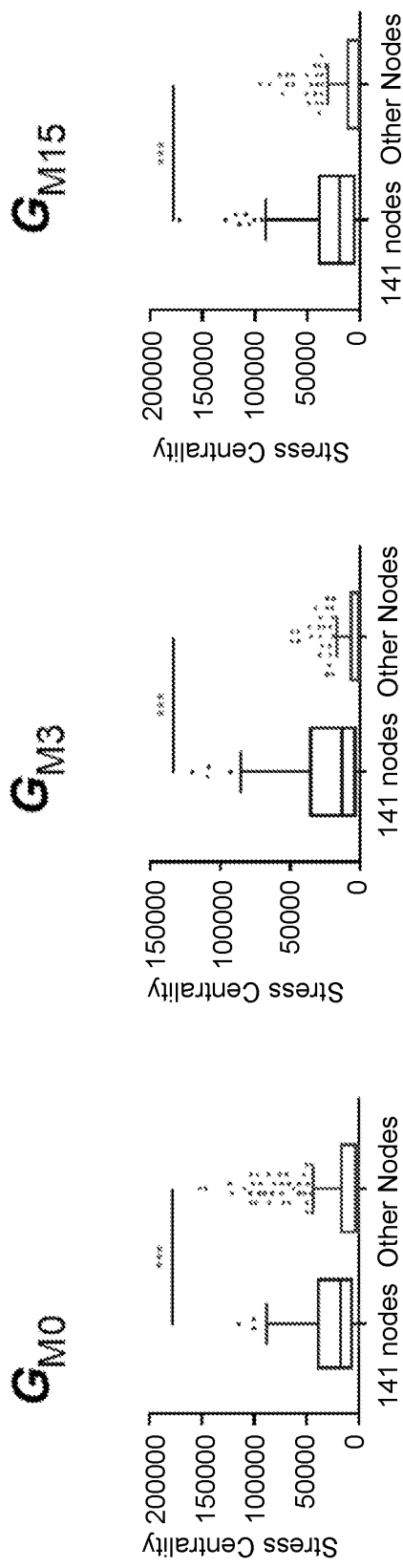
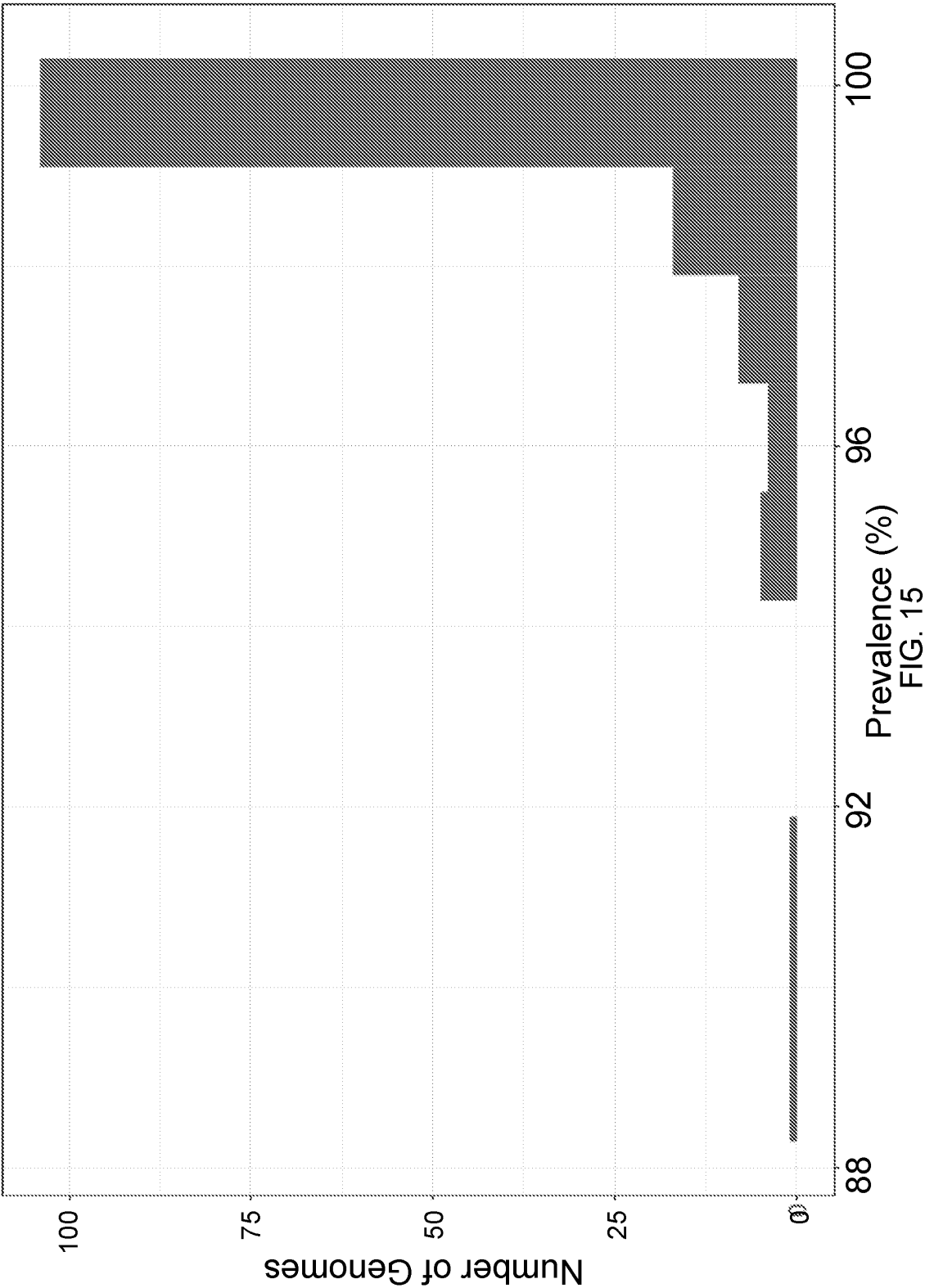


FIG. 14F



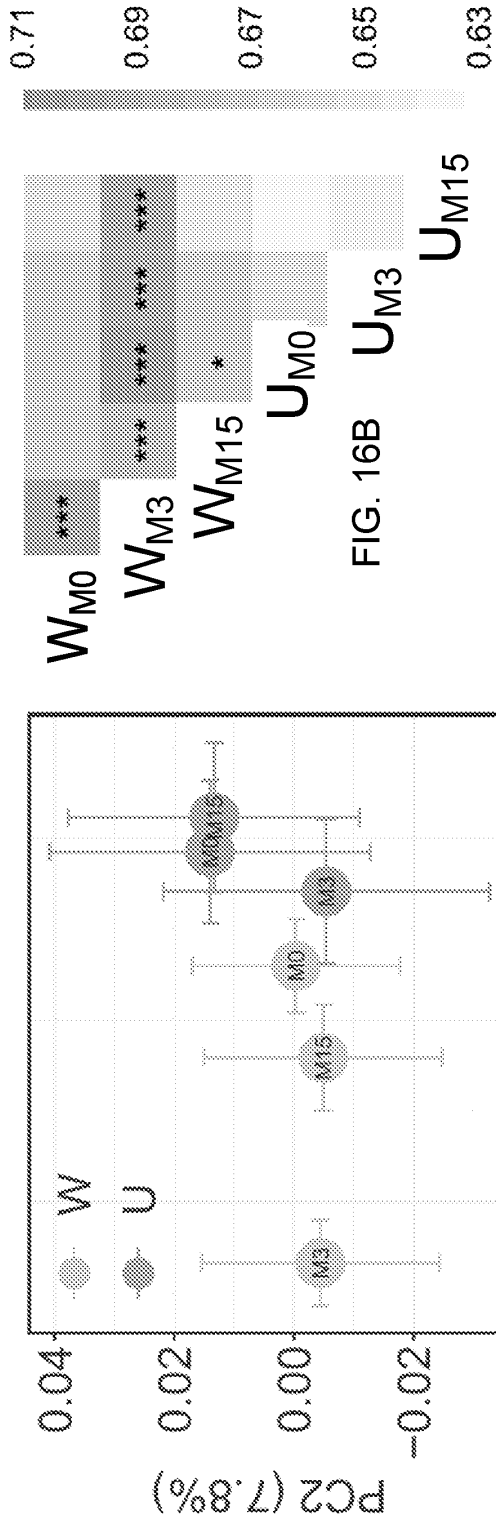


FIG. 16A

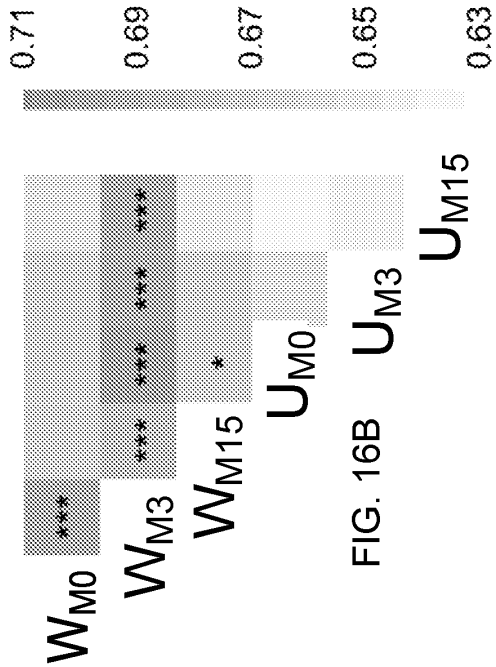


FIG. 16B

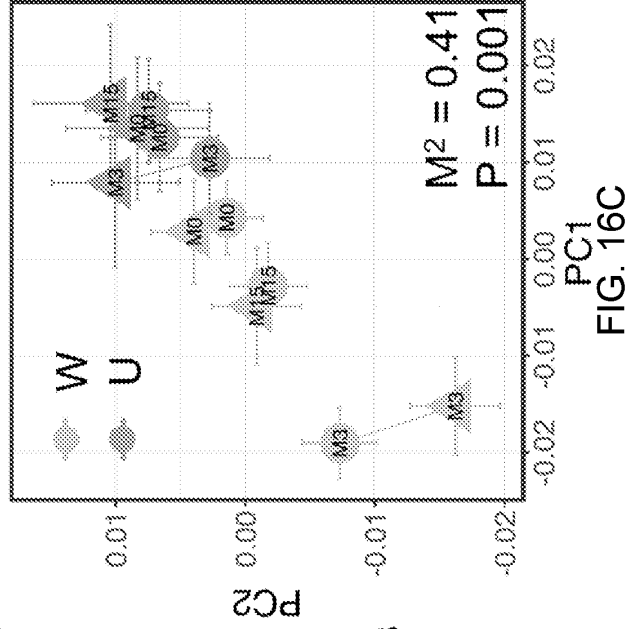


FIG. 16C

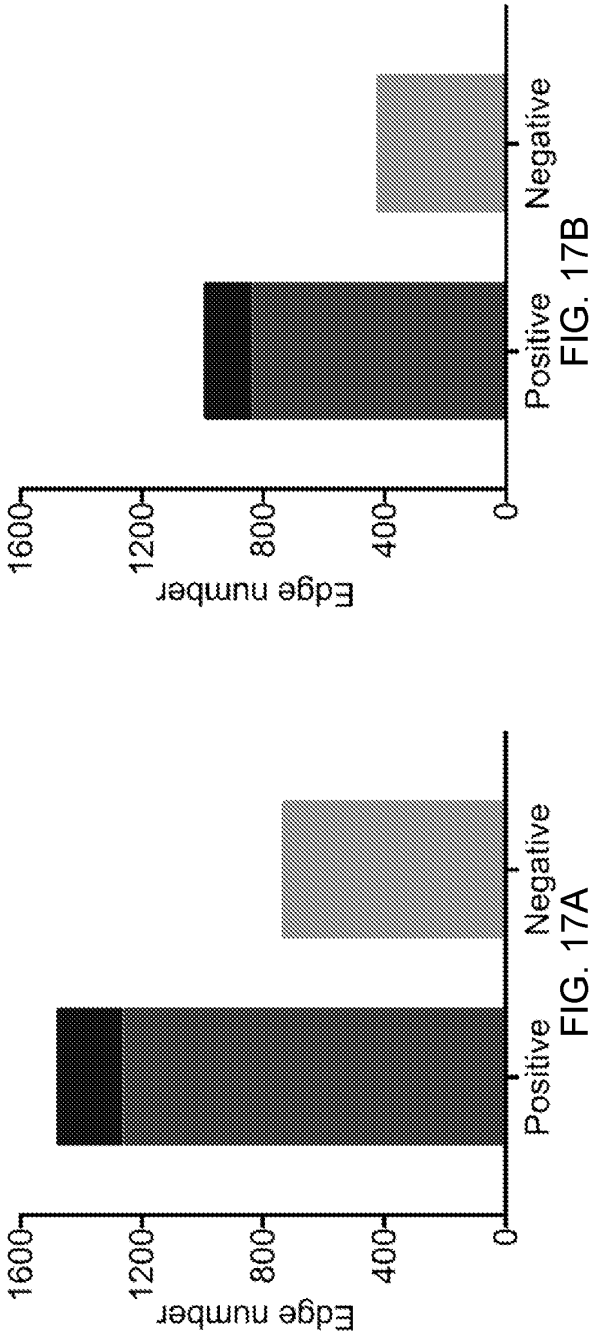


FIG. 17B

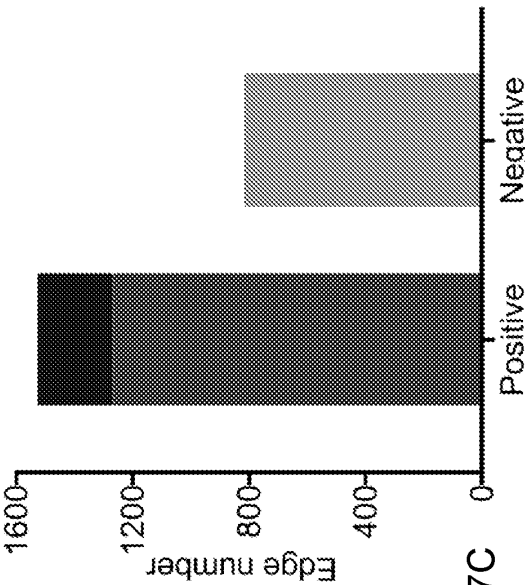


FIG. 17C

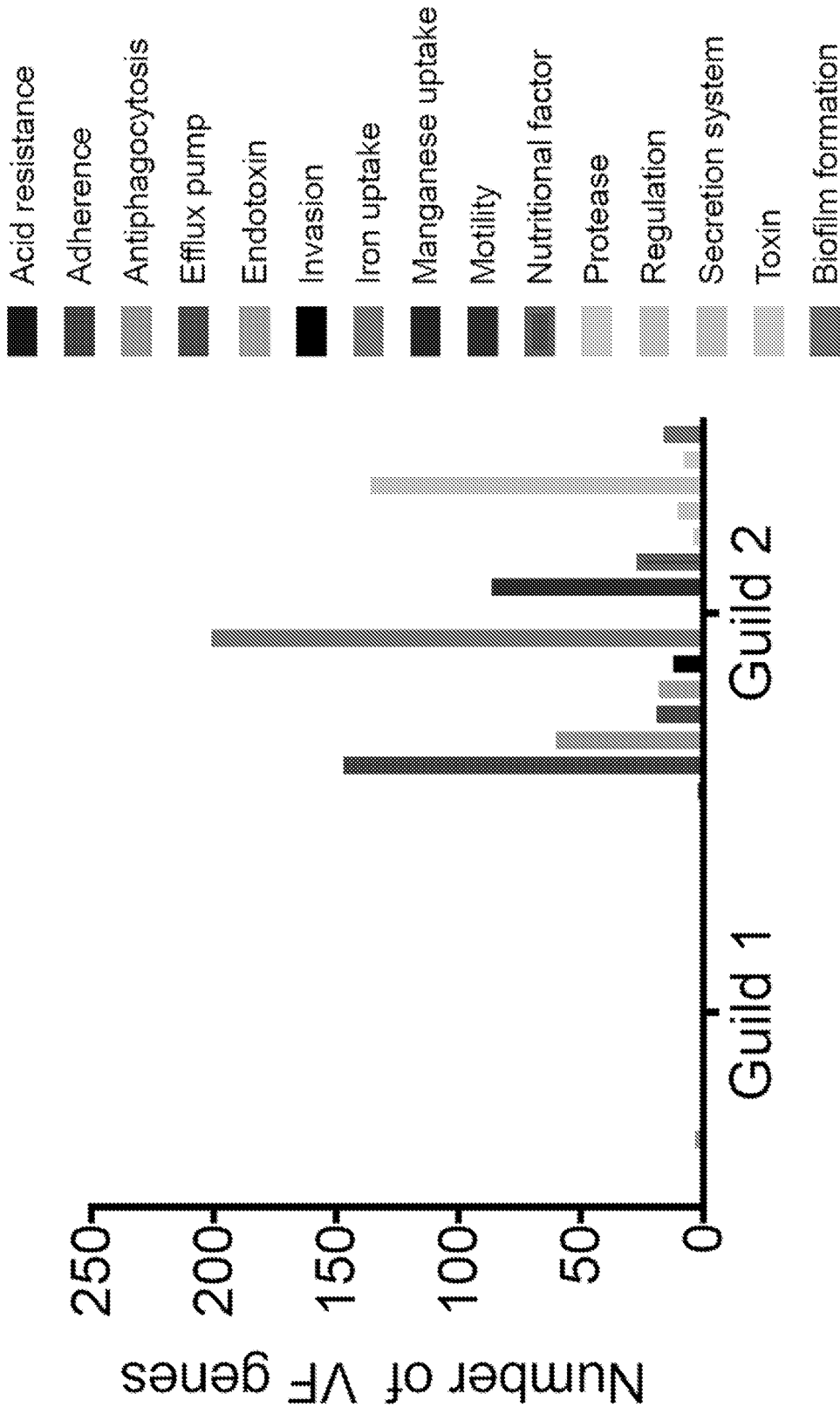


FIG. 18A

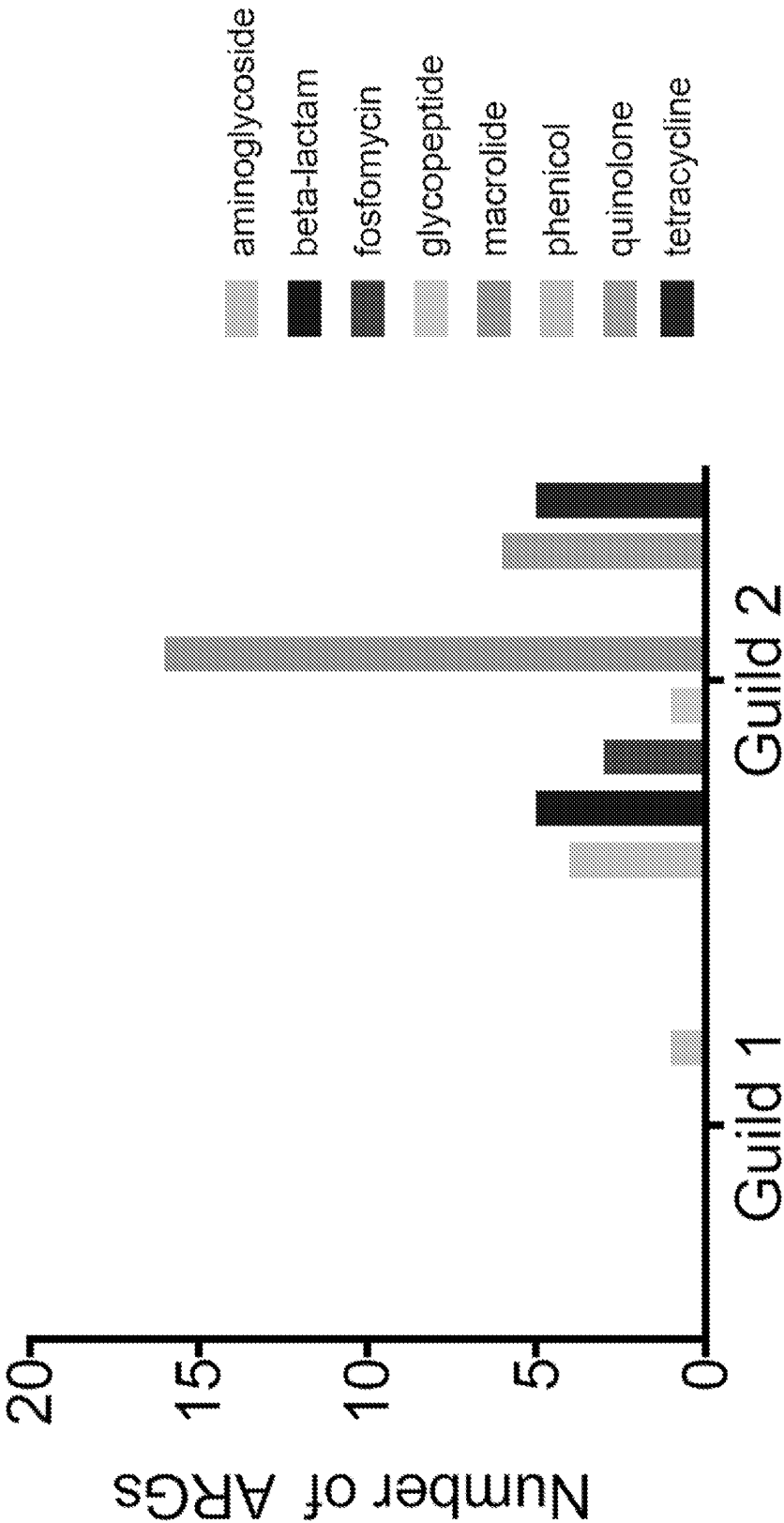


FIG. 18B

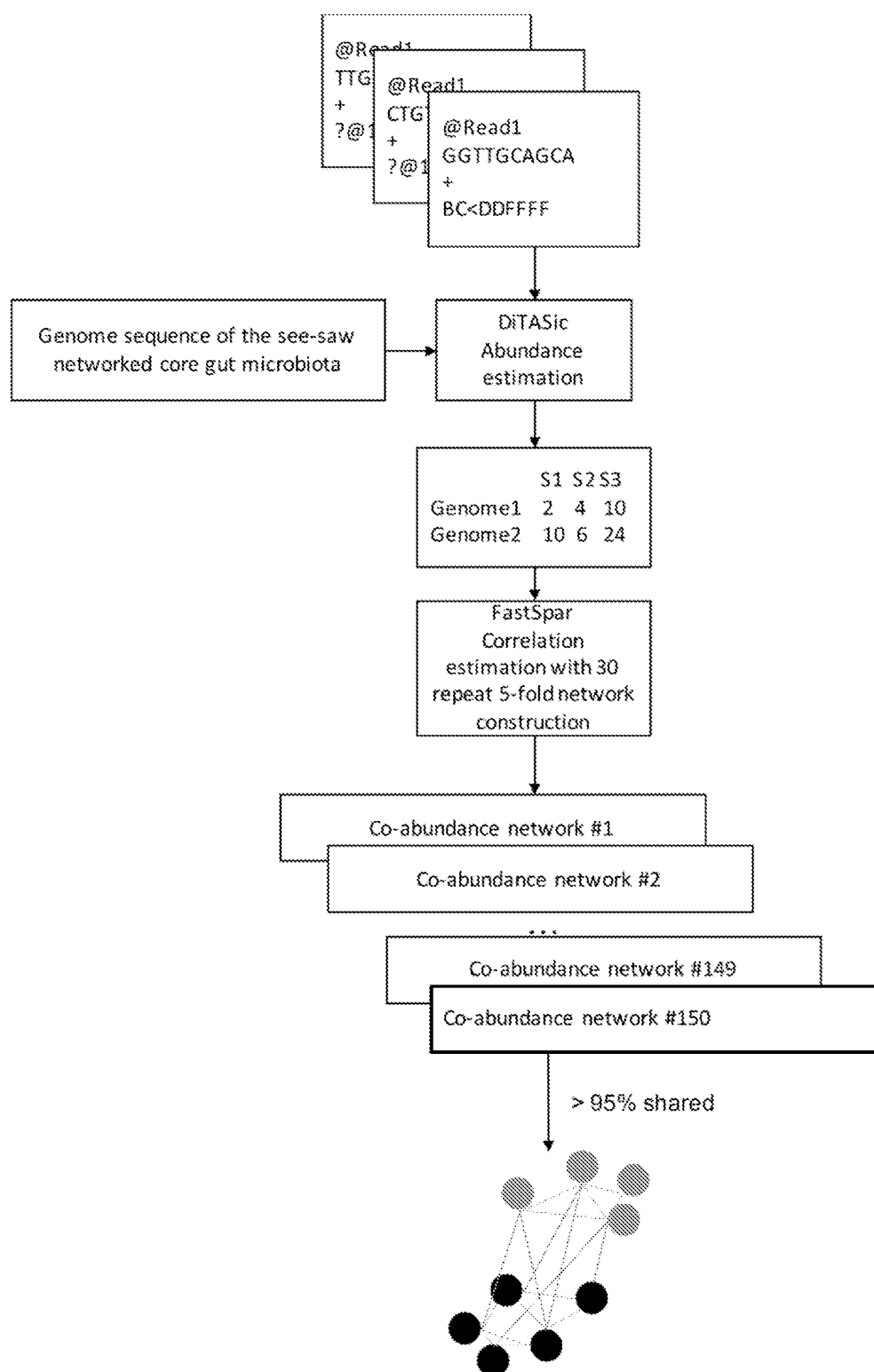


FIG. 19

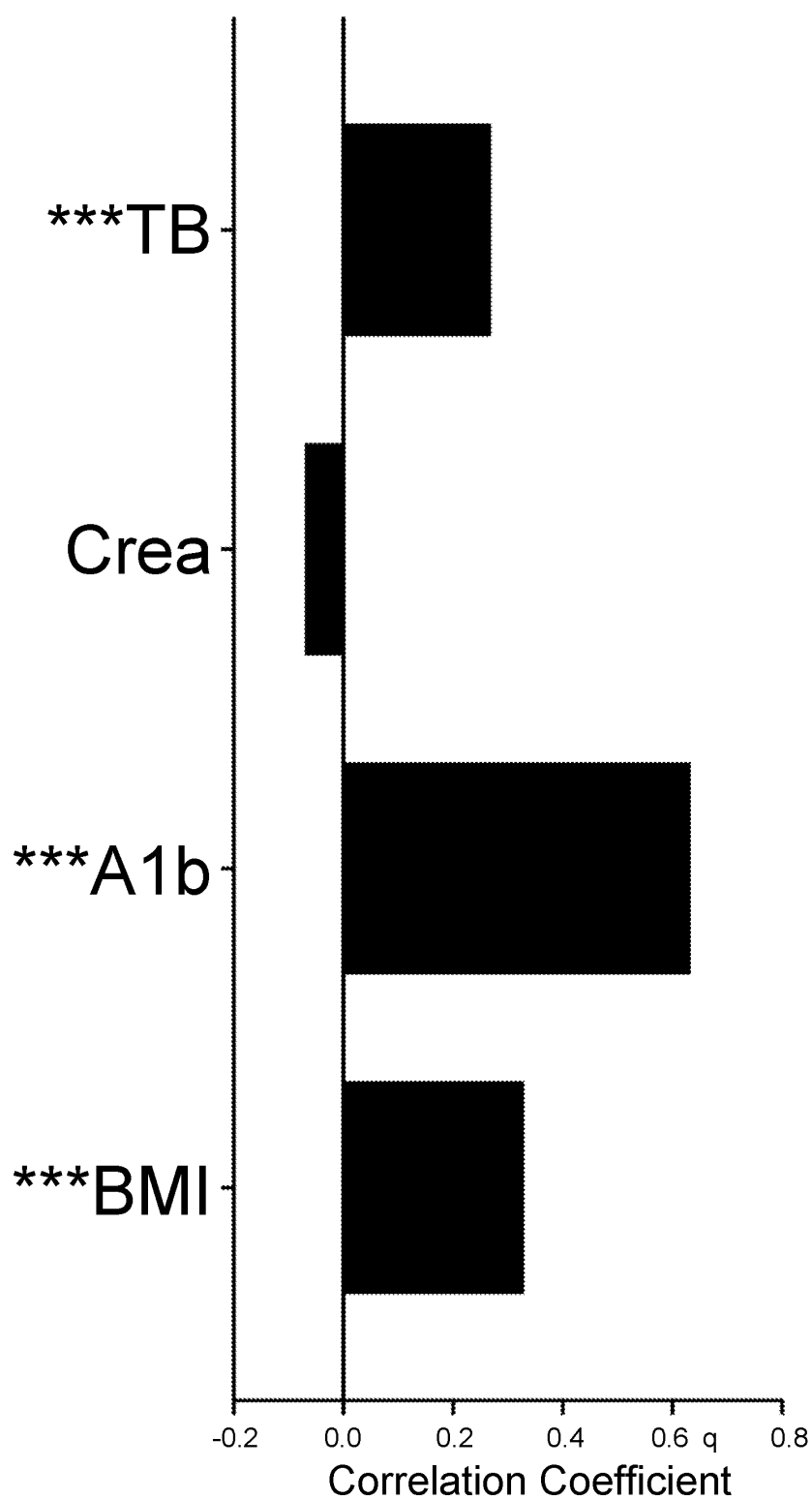


FIG. 20

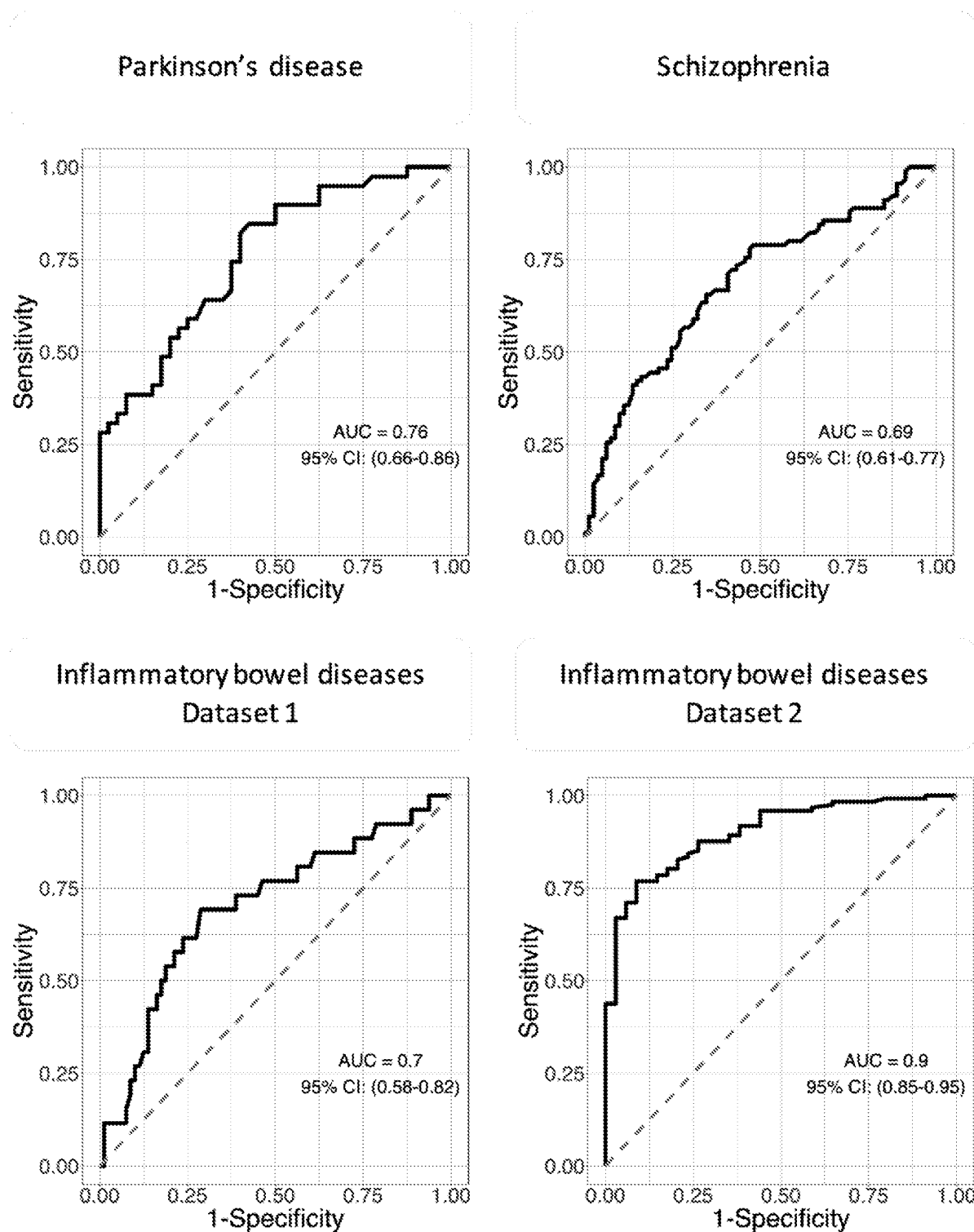


FIG. 21A

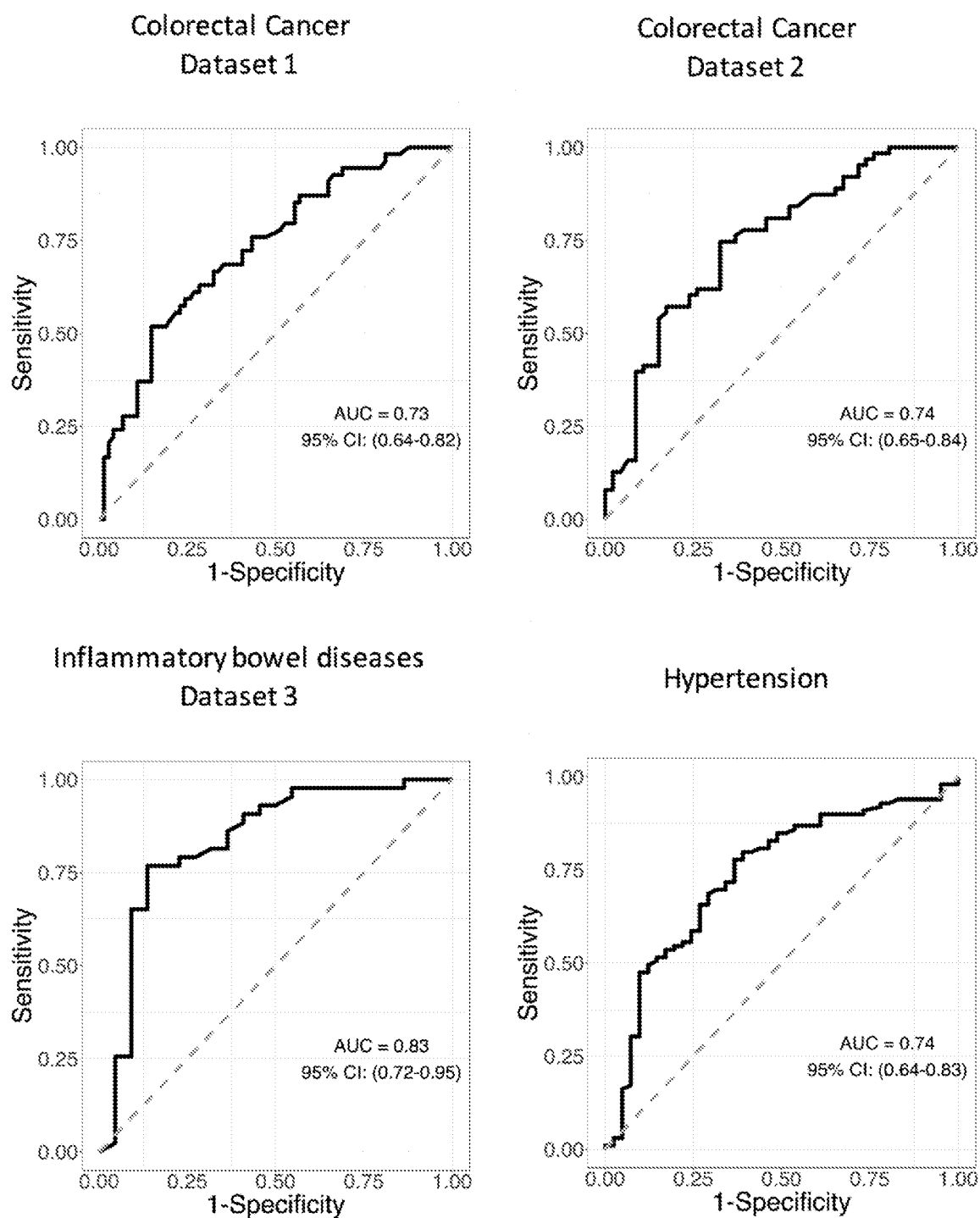


FIG. 21B

	W		U		P value (W vs U)	
	M0	M3	M15	M3	M15	M3
General Information						
Age (years)	60.91 ± 0.83 (74)	/	/	58.81 ± 1.35 (36)	/	0.1865 /
Duration of diabetes (years)	9.83 ± 0.8 (72)	/	/	10.94 ± 1.03 (35)	/	0.2853 /
Gender (Males/Females)	23/51	23/51	22/45	14/22	11/17	0.5497 /
Glycometabolism						
HbA1c (%)	8.17 ± 0.14 ^a (74)	6.85 ± 0.08 ^a (74)	7.74 ± 0.13 ^a (67)	8.08 ± 0.2 (36)	7.67 ± 0.18 (28)	0.0001
FBG (mmol/L)	9.57 ± 0.26 ^a (74)	7.18 ± 0.14 ^a (74)	8.28 ± 0.19 ^a (67)	8.66 ± 0.23 ^a (36)	7.68 ± 0.36 ^b (36)	0.5429
MTT Glucose AUC (mmol/L/min)	2800.65 ± 64.48 ^a (72)	2252.5 ± 51.15 ^a (74)	2412.55 ± 64.14 ^b (67)	2478.81 ± 67.43 (36)	2368.43 ± 74.63 (28)	0.1938
MTT C-Peptide AUC (ng/mL/min)	874.73 ± 43.41 (72)	790.15 ± 36.93 (74)	814.95 ± 42 (67)	937.85 ± 71.43 ^a (36)	860.99 ± 65.01 ^b (28)	0.9670
HOMA-IR	4.12 ± 0.24 ^a (74)	2.93 ± 0.07 ^a (74)	3.41 ± 0.1 ^a (67)	4.06 ± 0.2 ^a (36)	3.43 ± 0.17 ^a (36)	0.0192
HOMA-β	37.35 ± 2.5 ^a (74)	45.17 ± 2.76 ^a (74)	39.78 ± 2.36 ^b (67)	45.75 ± 4.09 ^a (36)	139.87 ± 90.46 ^b (28)	0.3640
Anthropometric markers						
BMI (kg.m ²)	25.81 ± 0.39 ^a (74)	24.55 ± 0.36 ^b (74)	25.98 ± 0.44 ^a (66)	26.82 ± 0.51 ^a (36)	27.43 ± 0.64 ^a (28)	0.0017
BW (Kg)	66.58 ± 1.34 ^a (74)	63.52 ± 1.26 ^b (74)	66.91 ± 1.41 ^a (66)	71.25 ± 1.71 ^a (36)	72.25 ± 2.16 ^a (28)	0.0013
SBP (mmHg)	152.39 ± 1.48 ^a (74)	122.66 ± 2.07 ^b (73)	127.52 ± 2.03 ^b (66)	131.06 ± 2.82 (33)	128.38 ± 2.39 (32)	0.0342
DBP (mmHg)	73.78 ± 1.31 ^a (74)	71.21 ± 1.43 ^b (73)	69.55 ± 1.45 ^b (66)	76.97 ± 2.27 (33)	71.77 ± 2.29 (26)	0.2681
WC (cm)	86.73 ± 1.13 ^a (74)	84.43 ± 1.06 ^b (74)	87.05 ± 1.17 ^a (65)	92.83 ± 1.42 (35)	93.75 ± 1.78 (28)	0.0006
HC (cm)	97.36 ± 0.8 ^a (74)	93.55 ± 0.83 ^b (73)	95.23 ± 0.82 ^b (65)	97.89 ± 0.78 (35)	97.64 ± 1.09 (28)	0.0004
WHR	0.89 ± 0.01 ^a (74)	0.9 ± 0.01 ^b (74)	0.91 ± 0.01 ^b (65)	0.95 ± 0.01 (35)	0.96 ± 0.01 (28)	0.0469
Inflammatory markers						
TNF-α (pg/mL)	1.28 ± 0.05 (74)	1.29 ± 0.06 (74)	1.75 ± 0.2 (67)	1.26 ± 0.06 ^a (36)	3.52 ± 0.63 ^b (28)	0.7915
WBC (10 ⁹ /L)	5.88 ± 0.17 ^a (74)	5.5 ± 0.15 ^b (74)	6.17 ± 0.21 ^a (67)	5.76 ± 0.26 ^a (36)	6.12 ± 0.33 ^a (28)	0.0544
CRP (mg/L)	1.56 ± 0.22 ^a (73)	1.14 ± 0.17 ^b (74)	0.77 ± 0.15 ^b (65)	1.21 ± 0.25 (36)	0.84 ± 0.11 (28)	0.1796
LRP (ug/mL)	5.5 ± 0.17 ^a (74)	5.75 ± 0.1 ^a (74)	4.93 ± 0.27 ^b (67)	5.68 ± 0.21 ^a (36)	4.93 ± 0.22 ^b (28)	0.0804

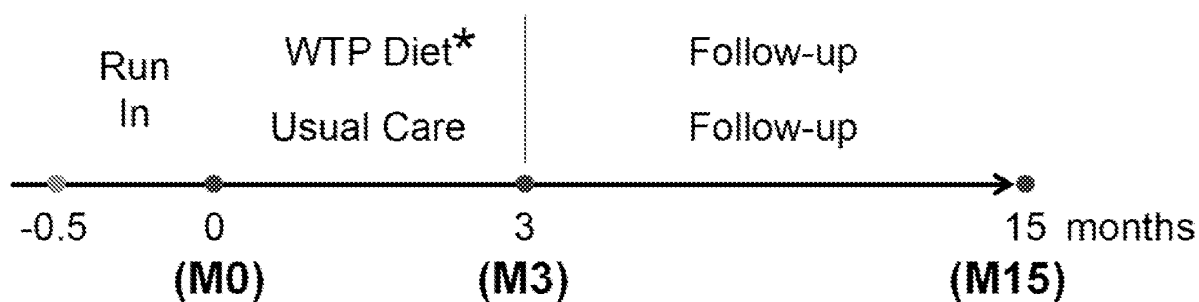
FIG. 22A

	W			U			P value (W vs U)		
	M0	M3	M15	M0	M3	M15	M0	M3	M15
Adipocytokines									
Adiponectin (µg/mL)	13.96 ± 1.48 ^a (64)	13.76 ± 1.45 ^a (64)	12.2 ± 1.46 ^b (64)	15.02 ± 2.42 (26)	13.37 ± 2.29 (26)	12.48 ± 2.18 (26)	0.7520	0.6724	
Leptin (pg/mL)	876.53 ± 83.62 ^a (64)	646.74 ± 67.17 ^b (64)	878.69 ± 99.86 ^a (64)	1231.36 ± 170.09 (26)	1230.33 ± 194.76 (26)	1540.24 ± 228.52 (26)	0.0551	0.0006	
Lipid metabolism									
TC (mmol/L)	5.18 ± 0.13 ^a (74)	4.24 ± 0.1 ^b (74)	4.59 ± 0.11 ^b (67)	4.82 ± 0.17 ^b (36)	4.44 ± 0.14 ^b (36)	4.54 ± 0.17 ^b (28)	0.0755	0.2903	
TG (mmol/L)	1.27 ± 0.06 ^a (69)	1.04 ± 0.06 ^b (72)	1.22 ± 0.07 ^b (64)	1.48 ± 0.09 (33)	1.45 ± 0.09 (32)	1.38 ± 0.11 (28)	0.0539	0.0001	
Lpa (mg/L)	235.58 ± 26.79 ^a (74)	201.86 ± 20.02 ^b (74)	163.72 ± 24.56 ^b (67)	178.19 ± 26.9 ^a (36)	165.44 ± 24.7 ^a (36)	110.89 ± 16.44 ^b (28)	0.2298	0.1091	
HDL (mmol/L)	1.37 ± 0.04 ^a (74)	1.51 ± 0.04 ^a (74)	1.48 ± 0.04 ^a (67)	1.23 ± 0.04 ^a (36)	1.17 ± 0.04 ^a (36)	1.34 ± 0.06 ^b (28)	0.0318	0.0218	
APOA (µg/L)	1.53 ± 0.03 ^a (74)	1.59 ± 0.04 ^a (74)	1.43 ± 0.03 ^a (67)	1.42 ± 0.05 (36)	1.47 ± 0.06 (36)	1.35 ± 0.06 (28)	0.0729	0.1193	
LDL (mmol/L)	2.69 ± 0.09 ^{ab} (74)	2.52 ± 0.08 ^a (74)	2.84 ± 0.09 ^a (67)	2.58 ± 0.11 ^a (36)	2.68 ± 0.11 ^a (36)	2.96 ± 0.13 ^a (28)	0.4934	0.2732	
APOB (g/L)	1 ± 0.03 ^a (74)	0.79 ± 0.02 ^b (74)	0.98 ± 0.03 ^a (67)	0.98 ± 0.04 ^a (36)	0.87 ± 0.03 ^b (36)	1.01 ± 0.04 ^a (28)	0.5407	0.0749	
Kidney function									
GFR (mL/min per 1.73 m ²)	120.74 ± 2.81 ^a (74)	119.62 ± 2.19 ^{ab} (74)	129.43 ± 3.2 ^b (67)	130.01 ± 4.37 ^a (36)	125.15 ± 4.16 ^a (36)	115.27 ± 5 ^b (28)	0.0166	0.1611	
CysC (mg/L)	0.65 ± 0.01 ^{ab} (74)	0.67 ± 0.01 ^a (74)	0.62 ± 0.01 ^a (67)	0.65 ± 0.03 ^b (36)	0.68 ± 0.03 ^b (36)	0.68 ± 0.04 ^b (28)	0.4951	0.8935	
ACR (µg/mg)	28.27 ± 4.78 (68)	21.85 ± 3.97 (69)	24.3 ± 4.3 (63)	34.45 ± 8.28 (33)	39.67 ± 9.5 (35)	34.41 ± 8.72 (25)	0.3929	0.0330	
Atherosclerosis									
IMT (mm)	0.88 ± 0.01 ^a (73)	0.83 ± 0.01 ^b (74)	0.88 ± 0.02 ^a (67)	0.78 ± 0.02 (36)	0.83 ± 0.02 (35)	0.89 ± 0.03 (28)	0.0034	0.9715	
Diabetic autonomic neuropathy									
DAN score	2.47 ± 0.12 ^a (74)	2 ± 0.11 ^{ab} (73)	1.87 ± 0.13 ^a (66)	1.89 ± 0.17 (33)	1.92 ± 0.15 (32)	1.94 ± 0.18 (26)	0.0150	0.7430	
MHR	75.76 ± 1 ^a (74)	72.2 ± 0.87 ^a (74)	72.55 ± 0.88 ^b (67)	76.5 ± 1.48 (36)	74.11 ± 1.61 (36)	75.57 ± 2.06 ^a (28)	0.7692	0.3387	
SDNN (ms)	105.19 ± 2.75 ^a (74)	112.54 ± 2.67 ^a (74)	115.75 ± 3.29 ^a (67)	120.58 ± 5.95 ^a (36)	123.81 ± 5.34 (36)	123.68 ± 6.39 (28)	0.0245	0.0651	
SDANN (ms)	97.86 ± 2.76 (74)	103.64 ± 2.66 (74)	106.49 ± 3.68 (55)	112.33 ± 5.6 (36)	116.64 ± 5.36 (36)	117.12 ± 6.68 (24)	0.0320	0.0372	
SDNNIndex (ms)	41.22 ± 1.28 ^a (74)	42.97 ± 1.12 ^b (74)	41.93 ± 1.29 ^b (67)	41.64 ± 1.71 (36)	41.11 ± 1.96 (36)	40.21 ± 2.41 (28)	0.4595	0.7258	
rMSSD (ms)	23.88 ± 1.15 (74)	24.72 ± 1.13 (74)	25.22 ± 1.44 (67)	22.44 ± 1.23 (36)	20.94 ± 1.2 (36)	21.39 ± 1.73 (28)	0.7042	0.0537	
pNN50 (%)	4.12 ± 0.64 (74)	4.74 ± 0.6 (74)	5.27 ± 0.72 (67)	4.06 ± 0.7 (36)	3.33 ± 0.63 (36)	4 ± 1.08 (28)	0.7453	0.1112	
TP (ms ²)	1656.52 ± 88.06 ^{ab} (74)	1887.86 ± 104.32 ^b (74)	1688.18 ± 97.78 ^a (59)	1814.81 ± 131.57 (36)	1859.14 ± 161.38 (36)	1664.77 ± 193.33 (28)	0.2663	0.9011	
VLF (ms ²)	1253.8 ± 67.77 ^{ab} (74)	1431.83 ± 82.41 ^b (74)	1231.65 ± 70.21 ^a (59)	1392.23 ± 102.38 (36)	1446.21 ± 127.71 (36)	1280.57 ± 152.58 (28)	0.2582	0.6442	
LF (ms ²)	262.57 ± 16.37 ^{ab} (74)	292.98 ± 19.73 ^b (74)	267.34 ± 20.71 ^a (59)	287.74 ± 26.17 (36)	289.24 ± 30.09 (36)	247.05 ± 31.31 (28)	0.4094	0.8659	
HF (ms ²)	126.3 ± 10.21 (74)	144.71 ± 11.32 (74)	161.53 ± 21.46 (59)	121.37 ± 14.43 (36)	114.01 ± 12.89 (36)	119.97 ± 23.25 (28)	0.8186	0.1239	
Diabetic peripheral neuropathy									
DPN score	0.96 ± 0.09 (74)	0.77 ± 0.1 (74)	0.93 ± 0.1 (67)	1.03 ± 0.14 (36)	0.92 ± 0.15 (36)	1.39 ± 0.16 (28)	0.6851	0.3515	
Michigan score	1.76 ± 0.21 (74)	1.46 ± 0.16 (74)	1.87 ± 0.22 (67)	2.22 ± 0.35 (36)	1.79 ± 0.29 (36)	2.45 ± 0.42 (28)	0.1941	0.3844	

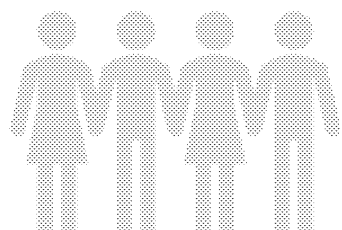
FIG. 22B

	G_{M0}	G_{M3}	G_{M15}
Order (S , total number of nodes)	442	421	429
Size (L , total number of edges)	4231	2587	4592
# of negative correlations	1432	869	1722
# of positive correlations	2799	1718	2870
Connectance	0.04341224	0.0292614	0.05001852
Avg. number of neighbors	19.1447964	12.2897862	21.40792541
Clustering coefficient	0.35579511	0.27844768	0.379733602
Network diameter	9	11	9
Network centralization	0.21834673	0.17155359	0.292466458
Shortest paths	187936	170172	178512
Characteristic path length	3.04453644	3.42079778	3.004795196
Network heterogeneity	1.25224147	1.31946401	1.294432497

FIG. 23



*WTP: whole grains, traditional Chinese medicinal food and prebiotics



(W) N=67 ; treatment group;

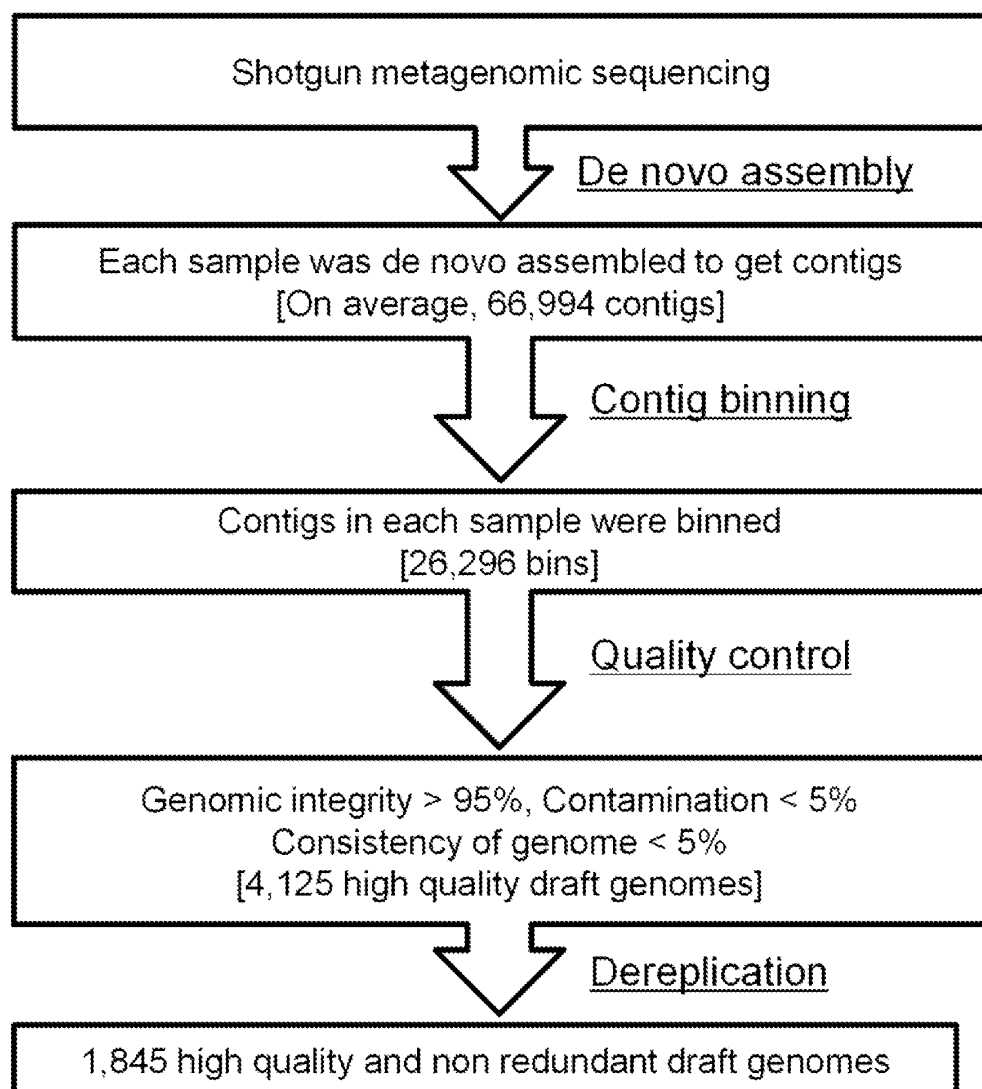
- Baseline
- Receive WTP diet for 3 month
- One-year follow-up after withdrawal of WTP diet in the 3rd month



(U) N= 28; control group;

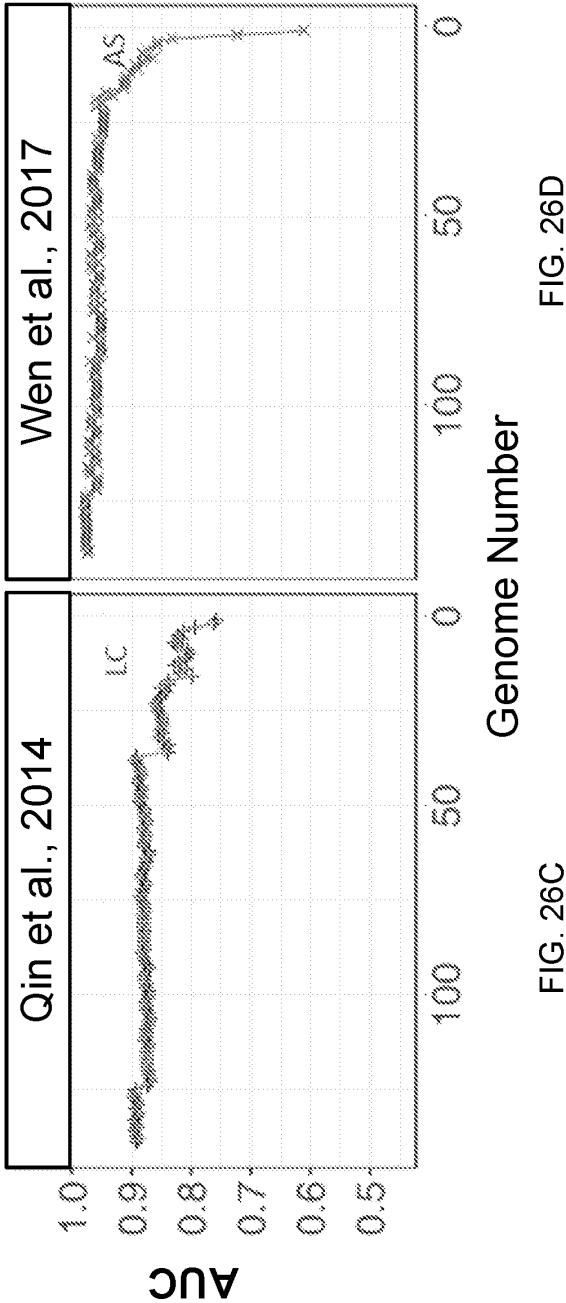
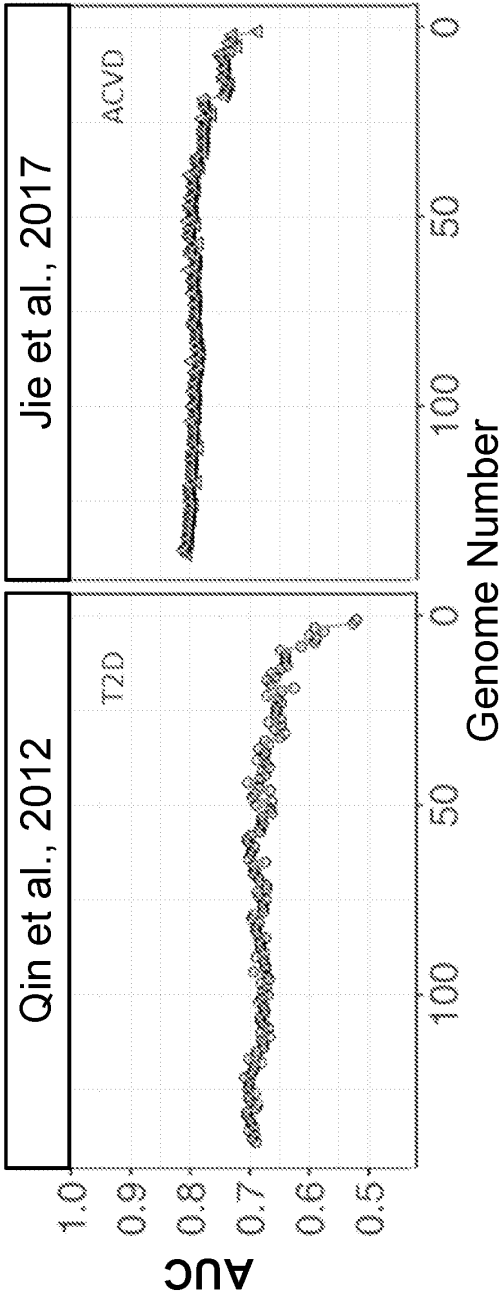
- Baseline
- Receive Usual care for 3 month as control
- One-year follow-up

FIG. 24



	Raw Reads	Raw Bases	High Quality Reads	High Quality Bases
Mean	91.5 million	13.7 G	86.5 million	12.9 G
Minimum	61.3 million	9.2G	56.9 million	8.5 G
Maximum	135.0 million	20.2 G	129.0 million	19.3 G

FIG. 25



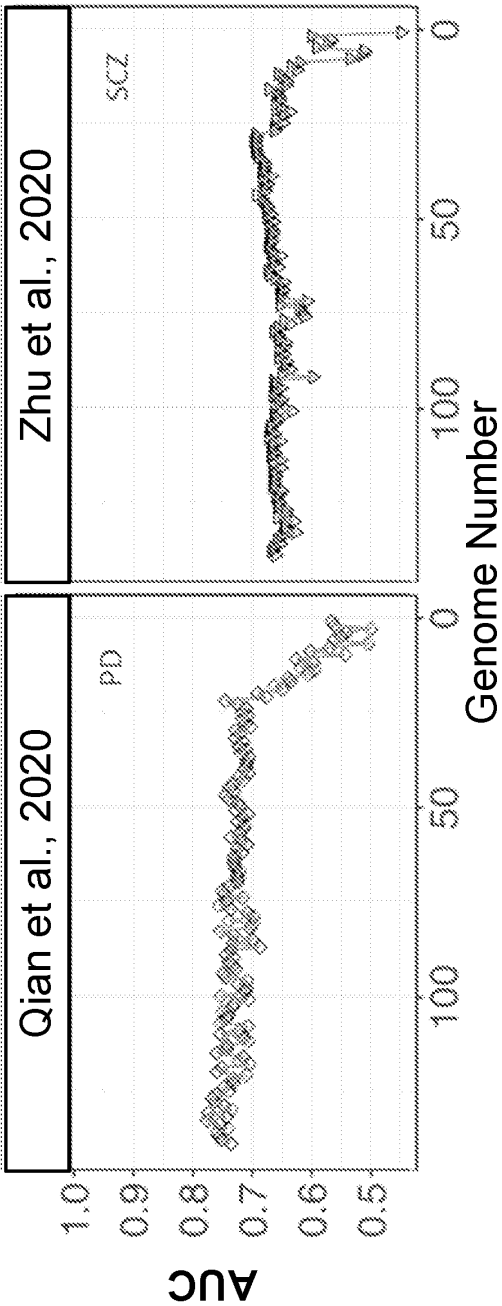


FIG. 26E

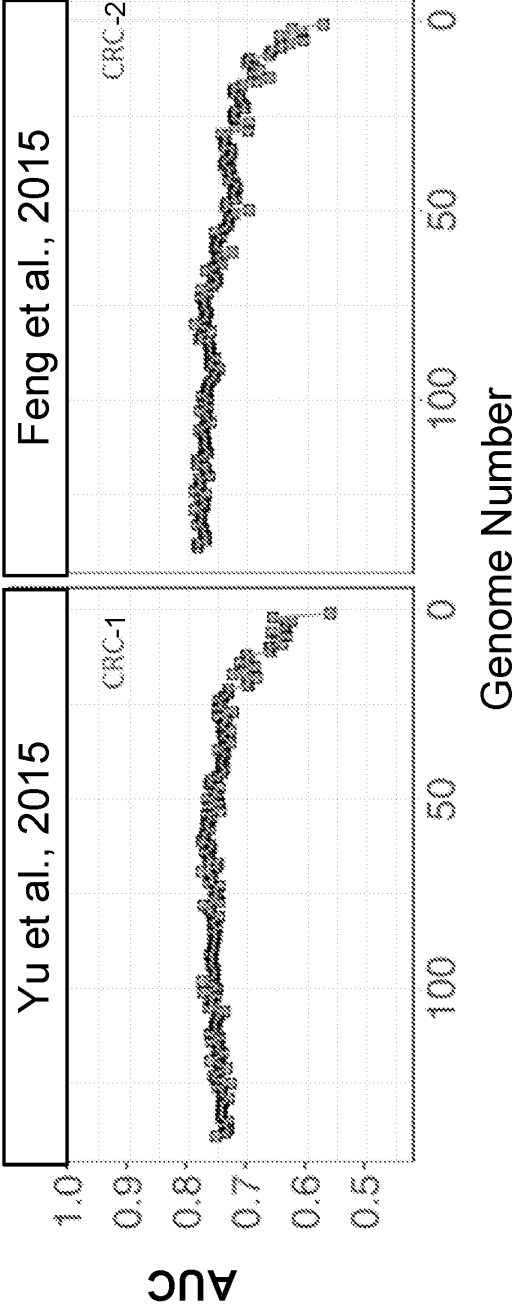
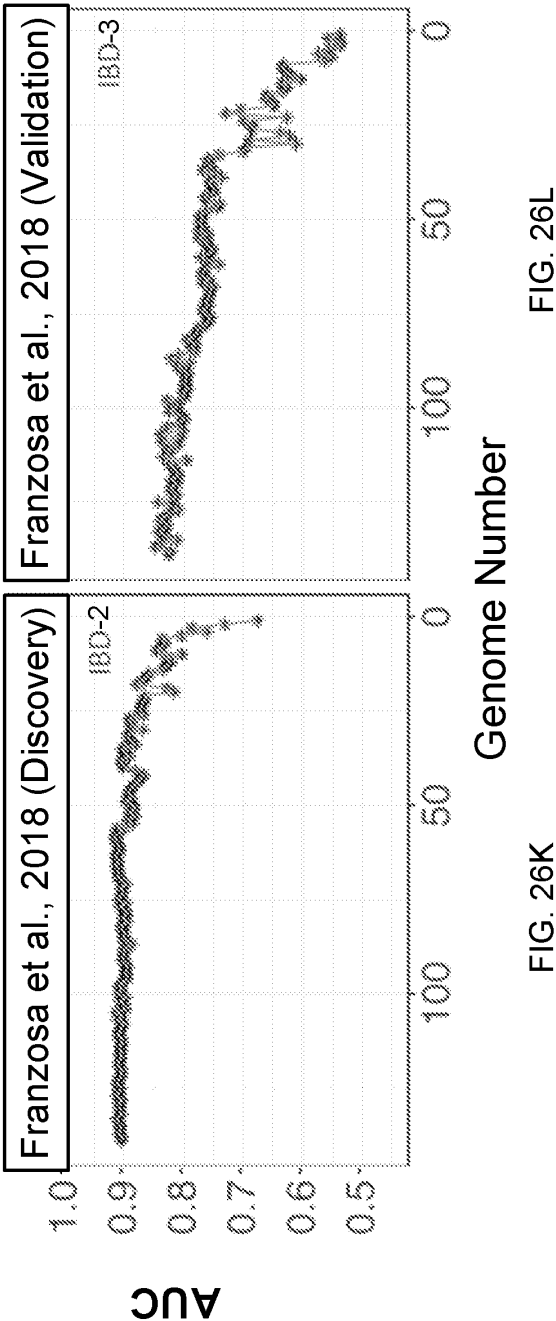
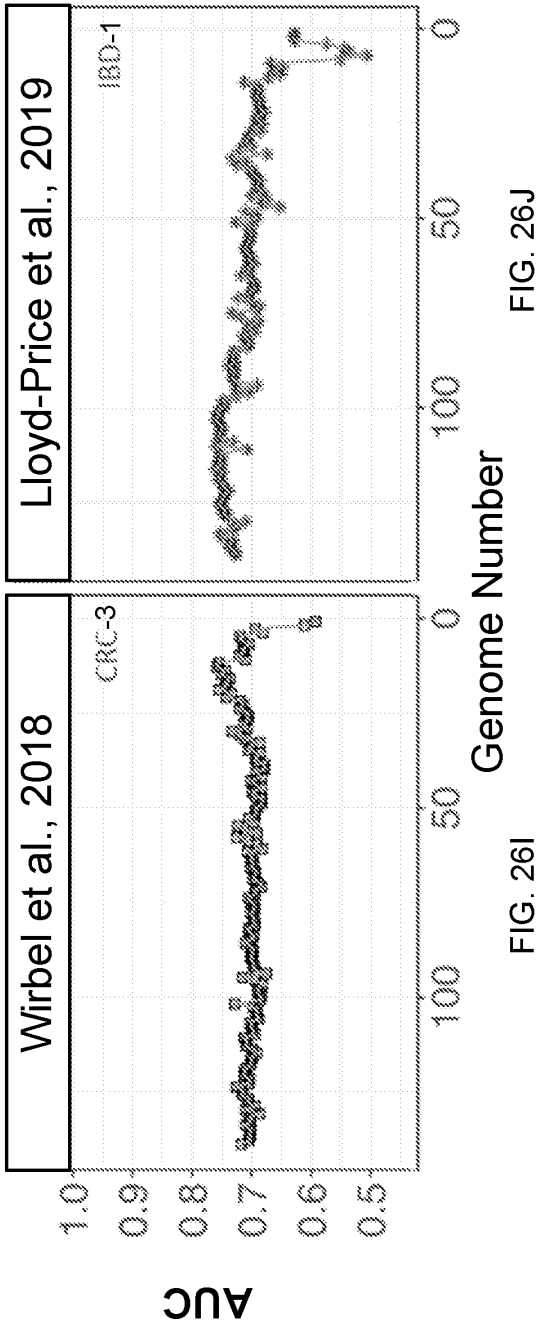


FIG. 26F

FIG. 26G

FIG. 26H



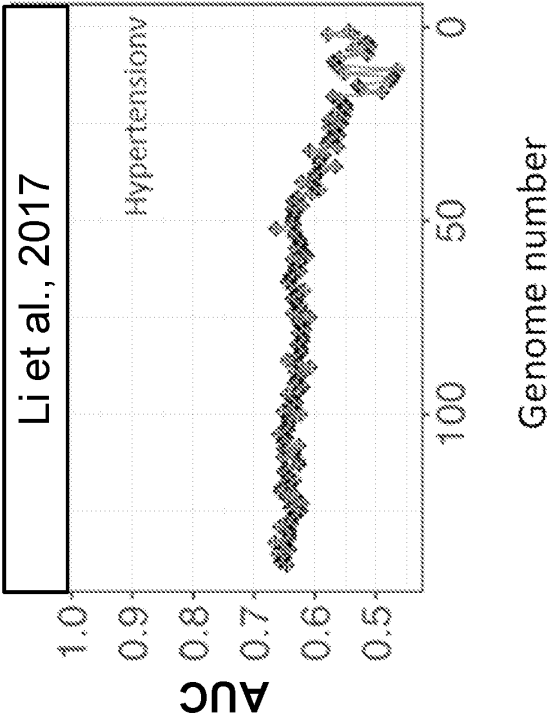
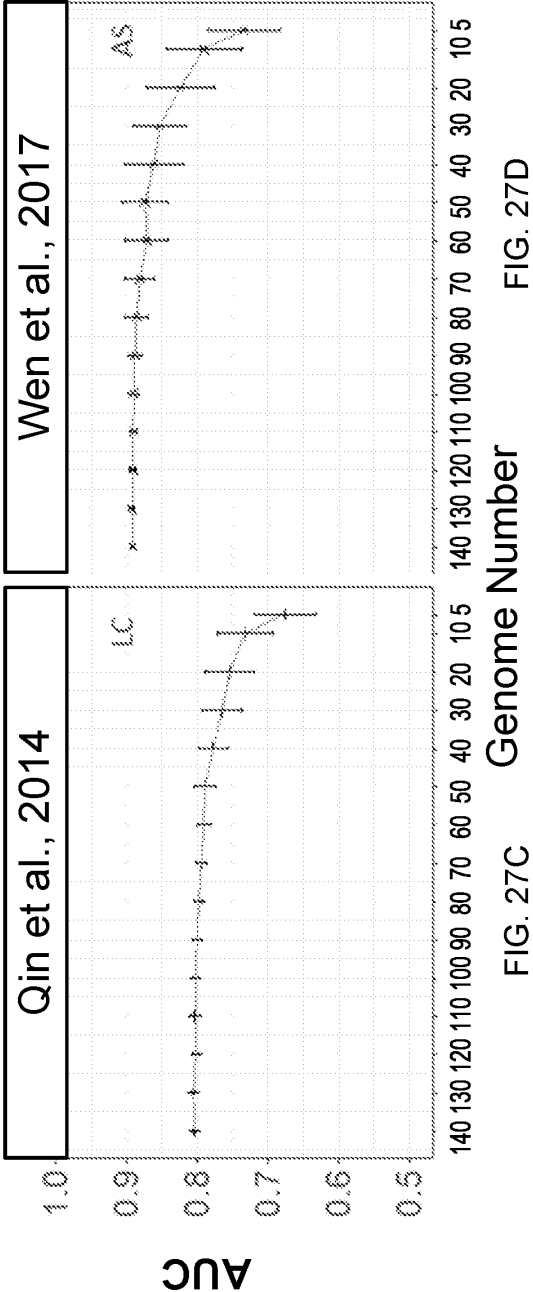
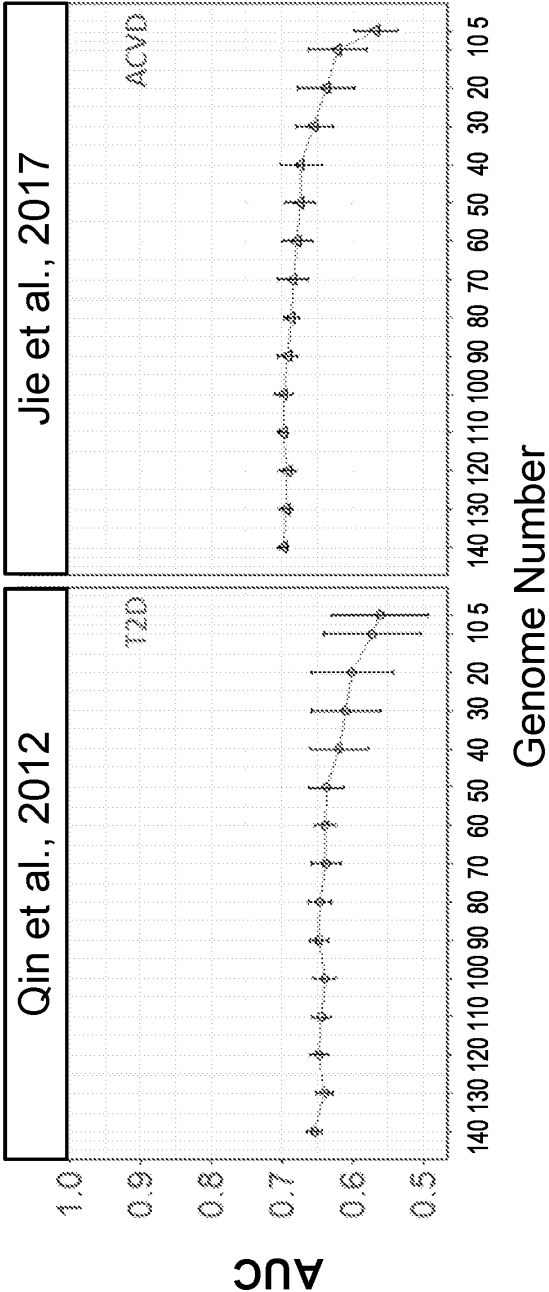


FIG. 26M



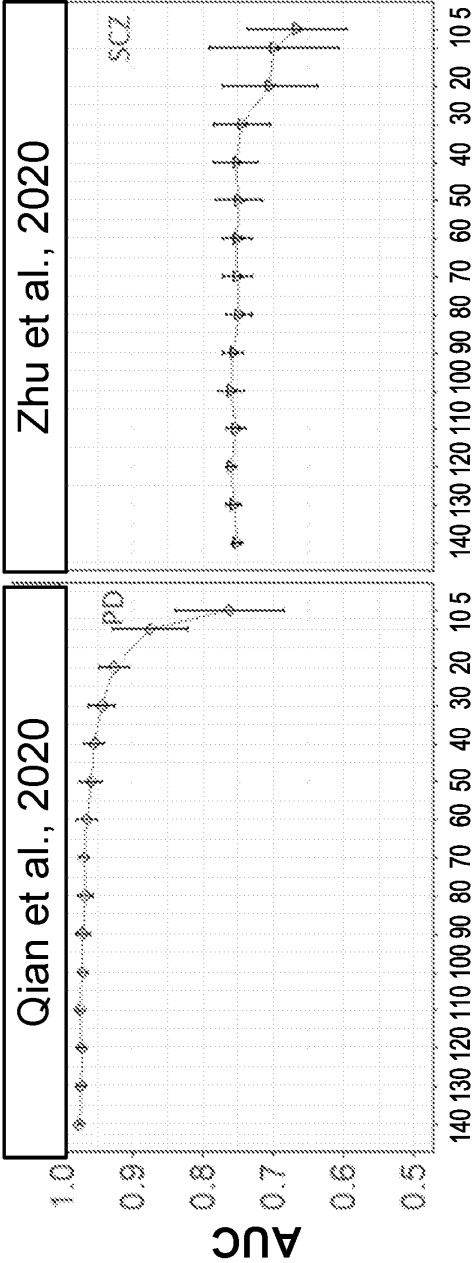


FIG. 27E Genome Number FIG. 27F

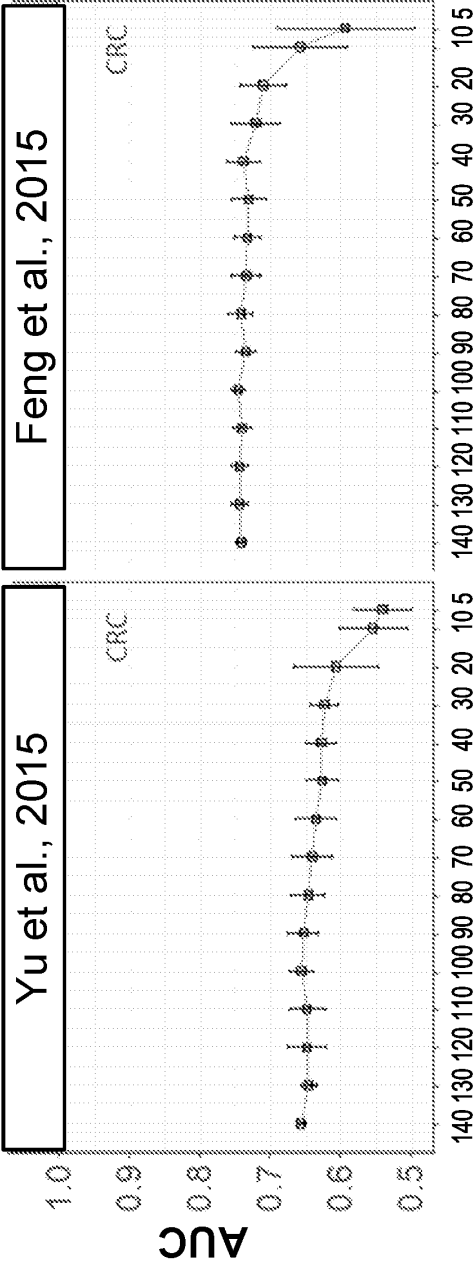


FIG. 27G Genome Number FIG. 27H

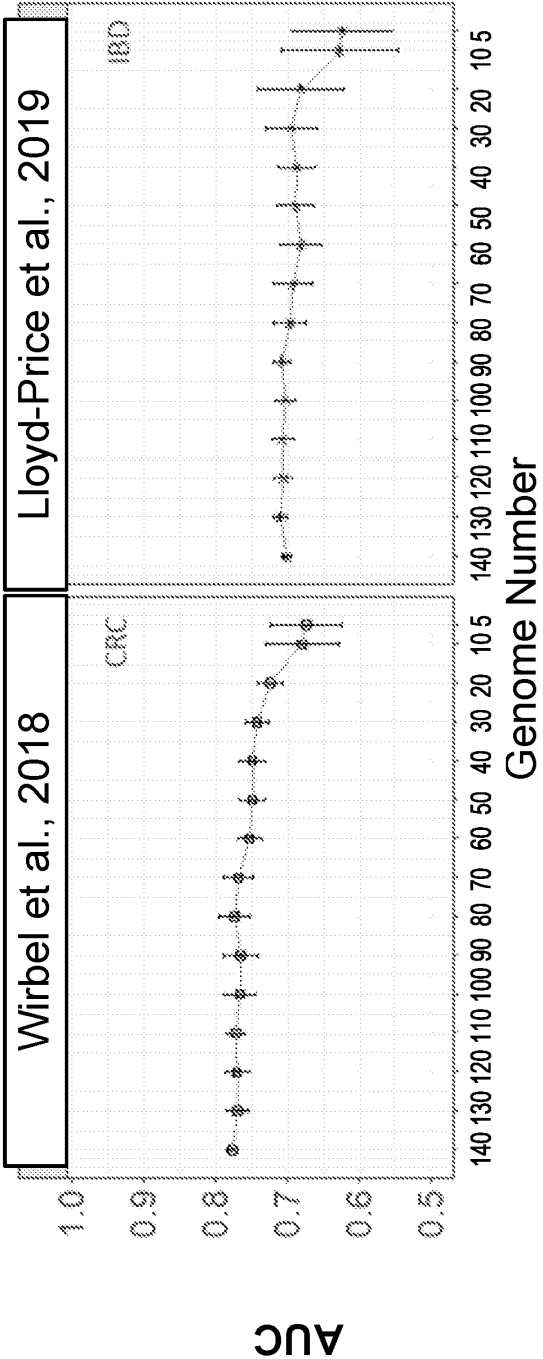


FIG. 27J

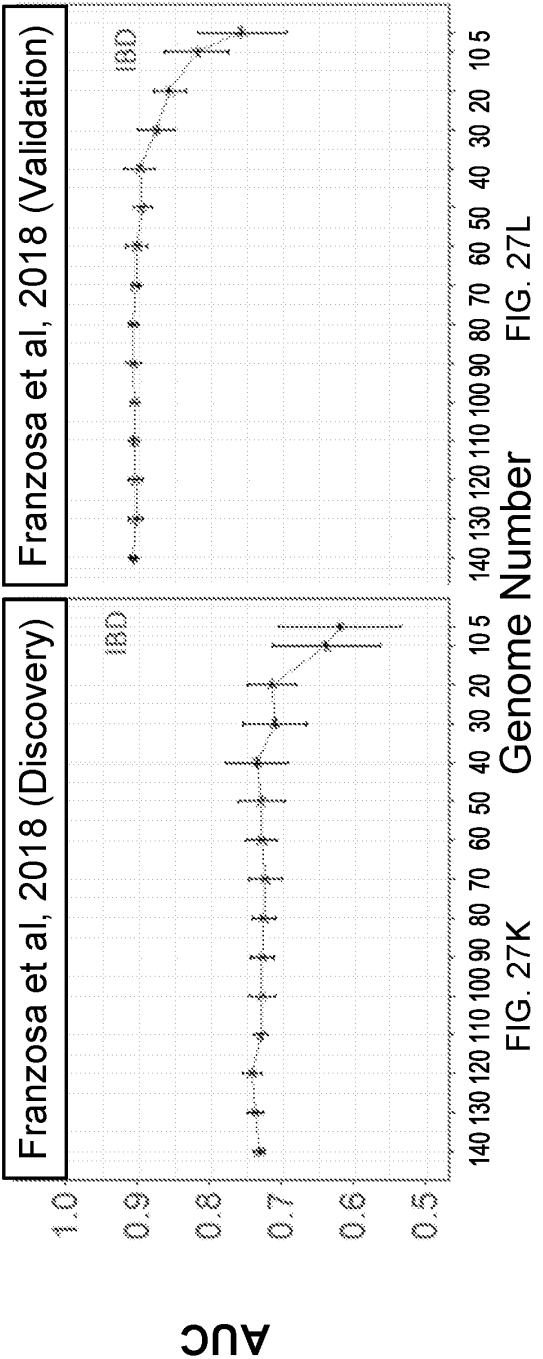


FIG. 27L

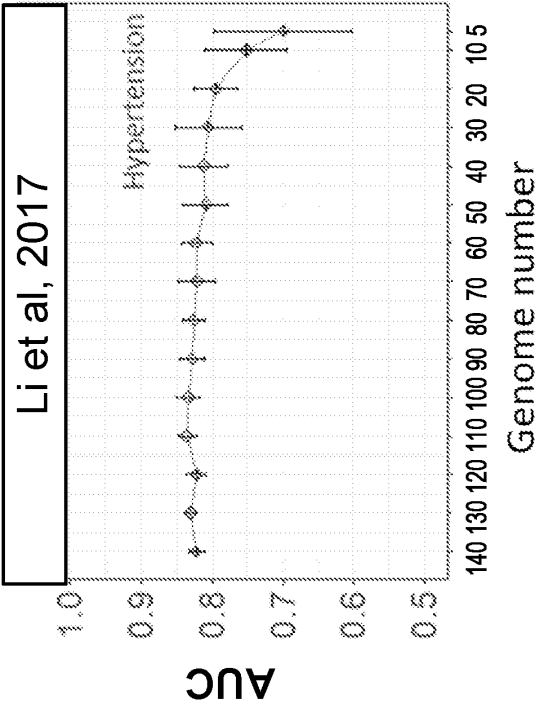
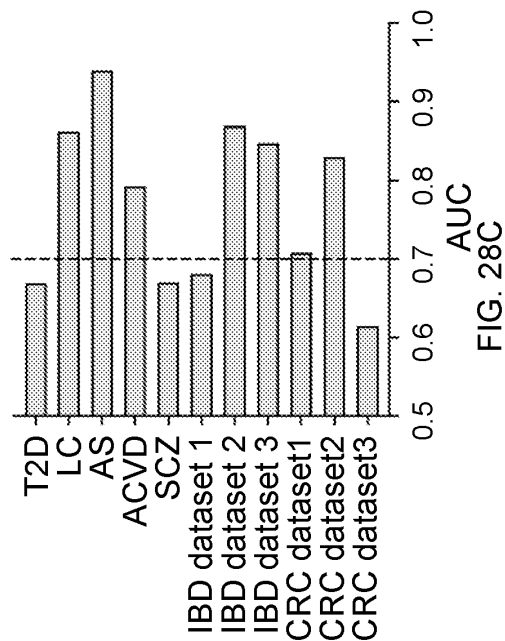
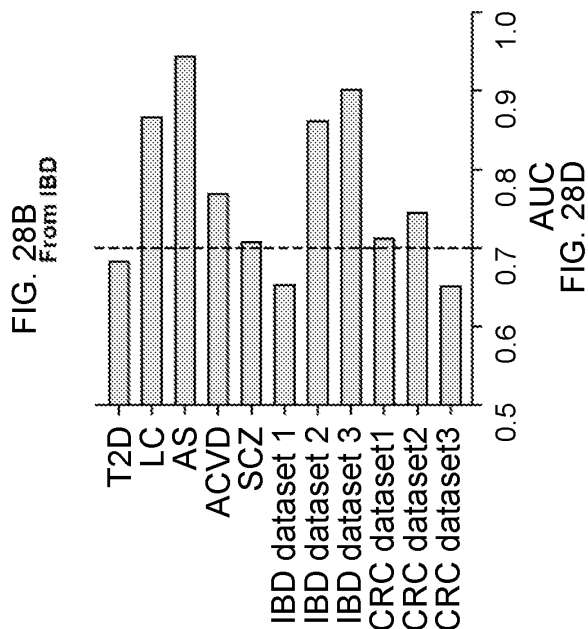
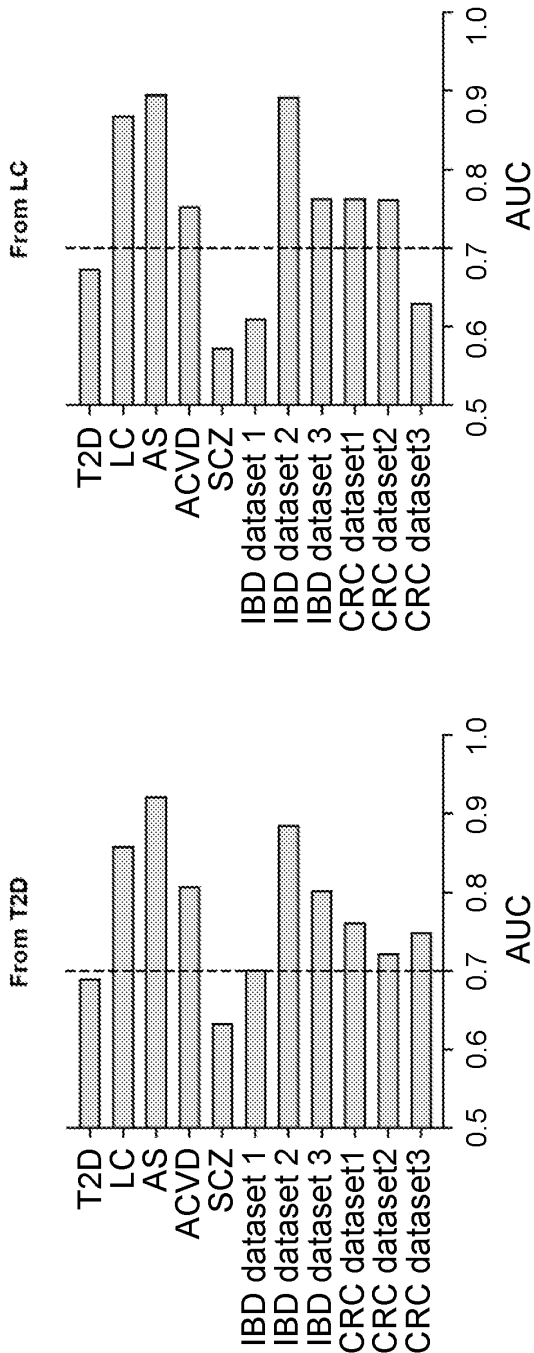
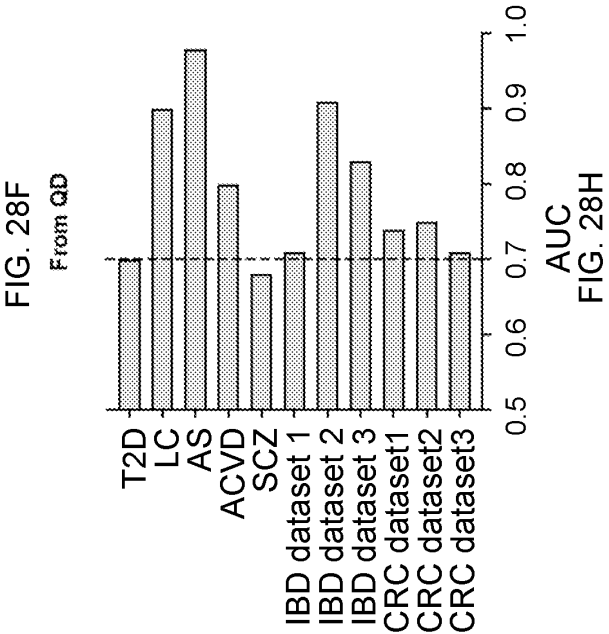
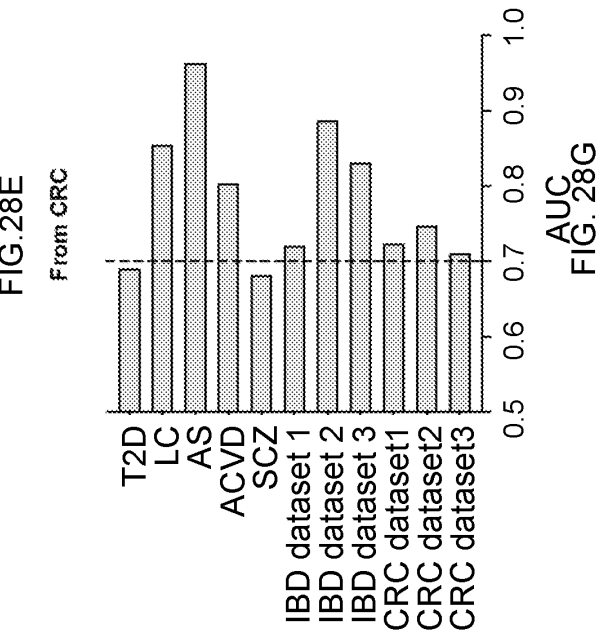
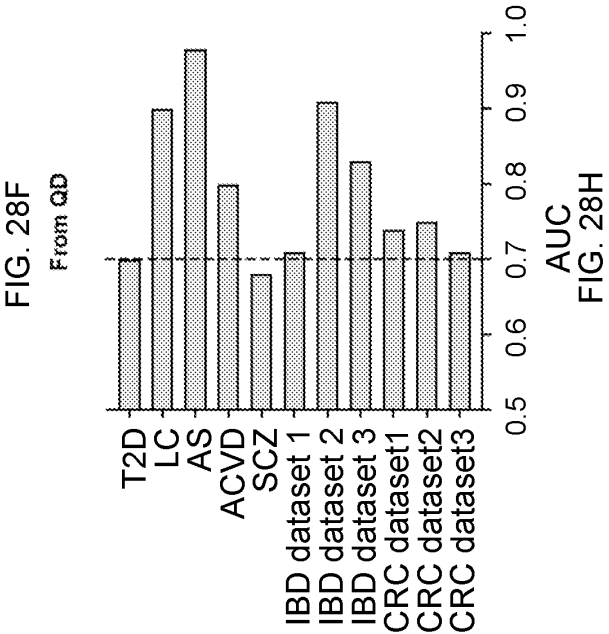
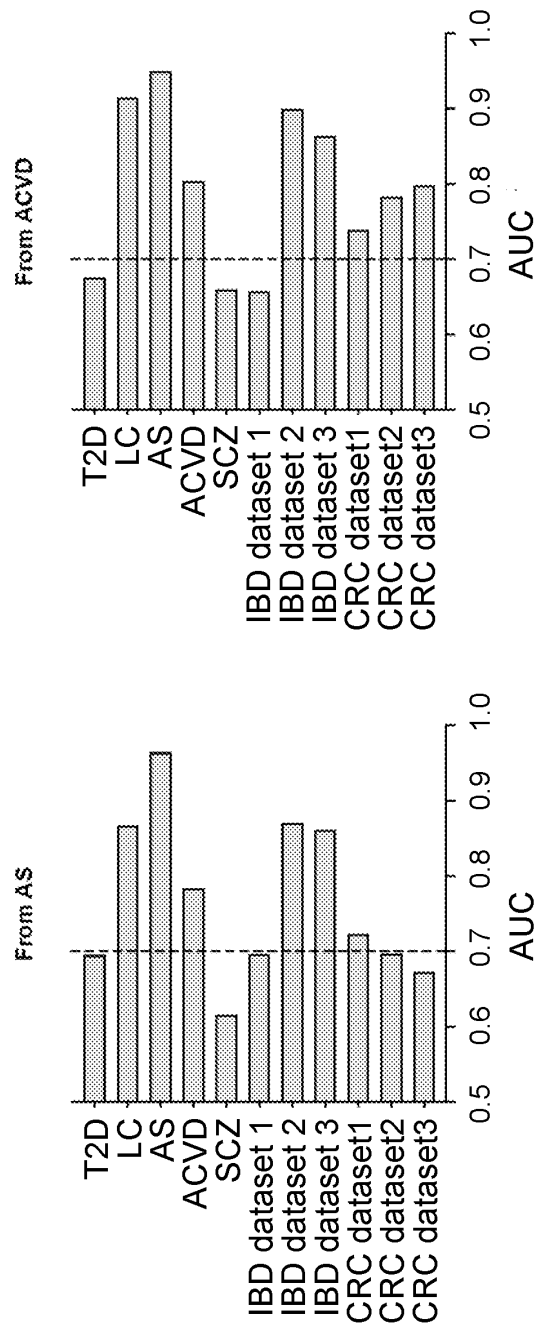


FIG. 27M





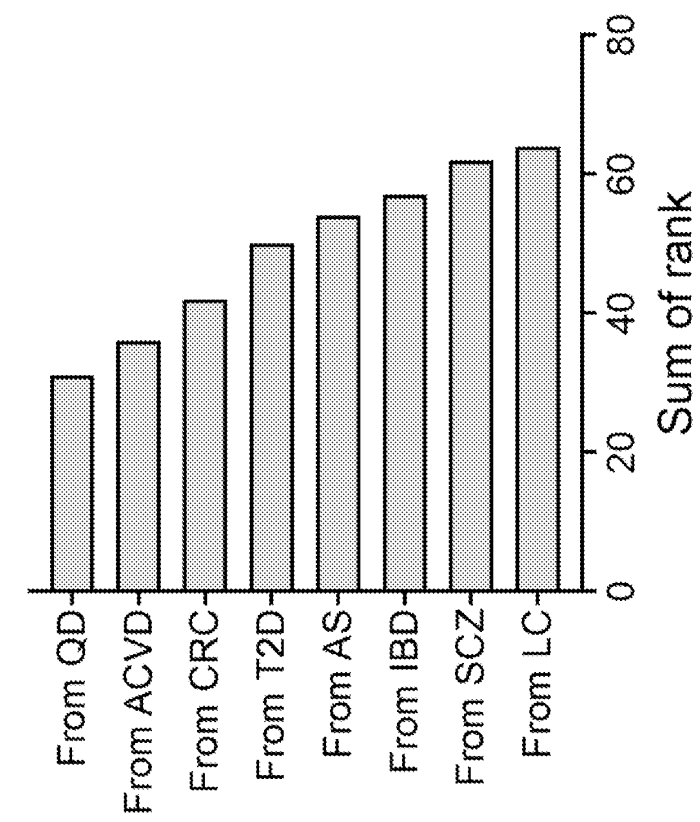


FIG. 29B

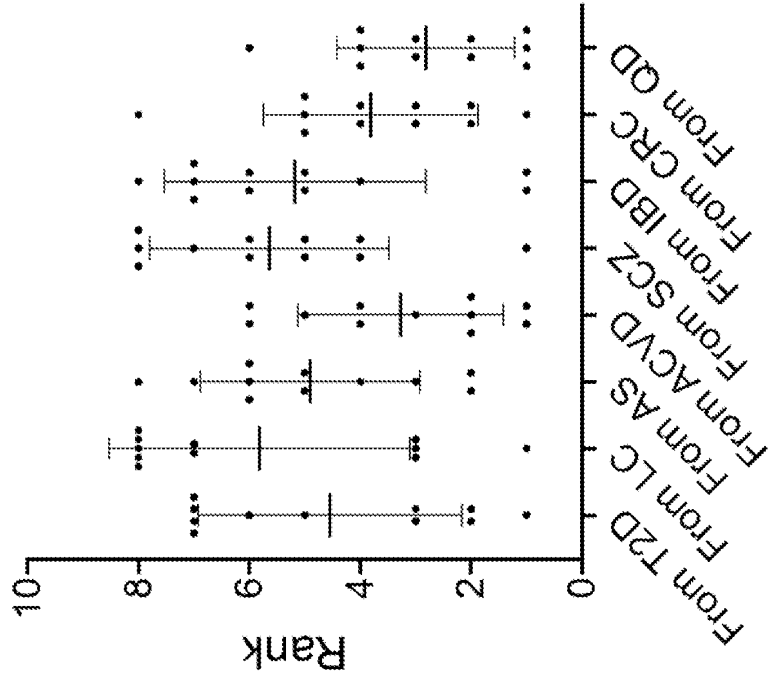


FIG. 29A

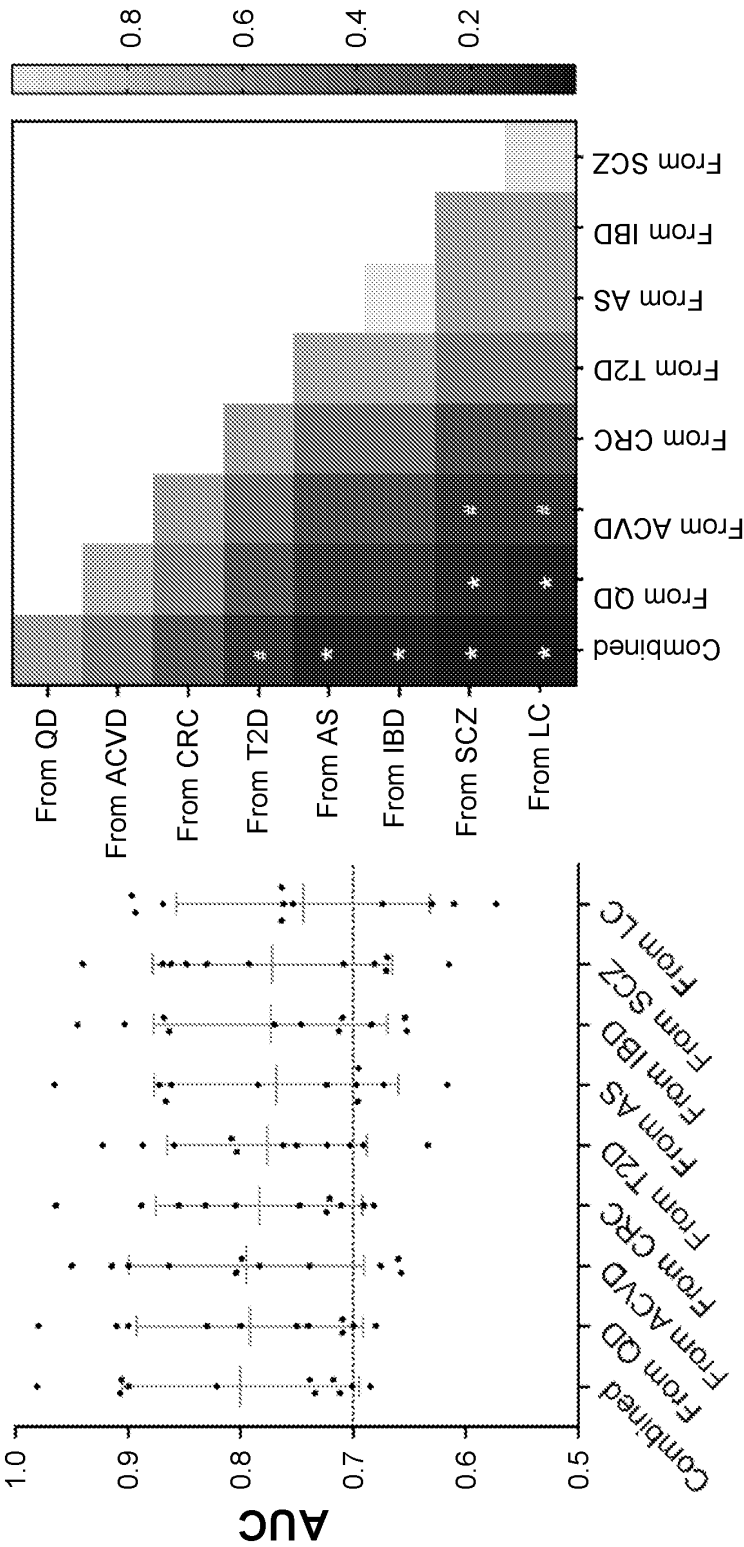


FIG. 30B

FIG. 30A

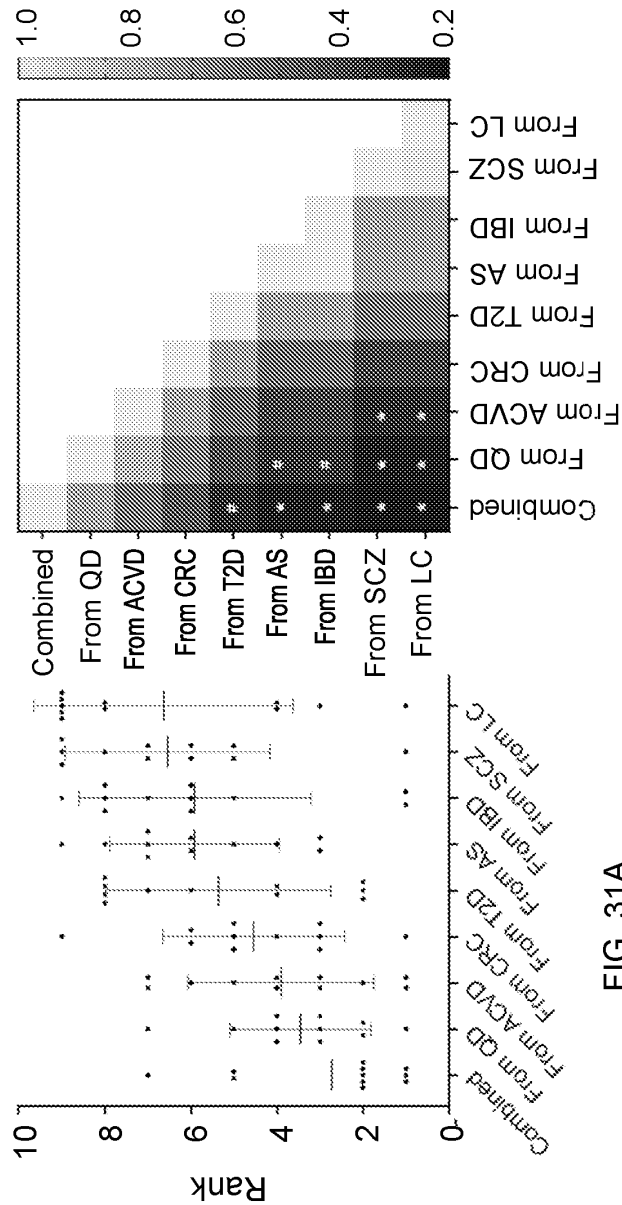
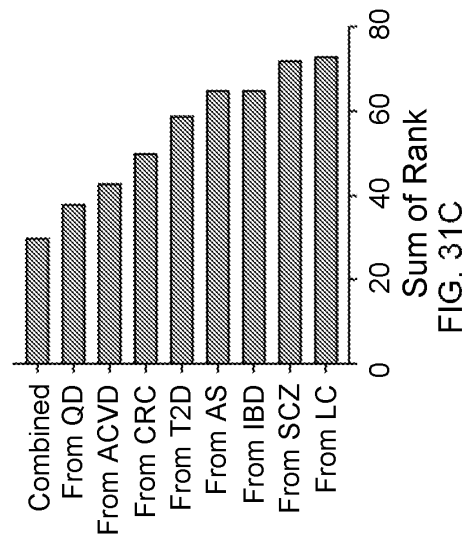
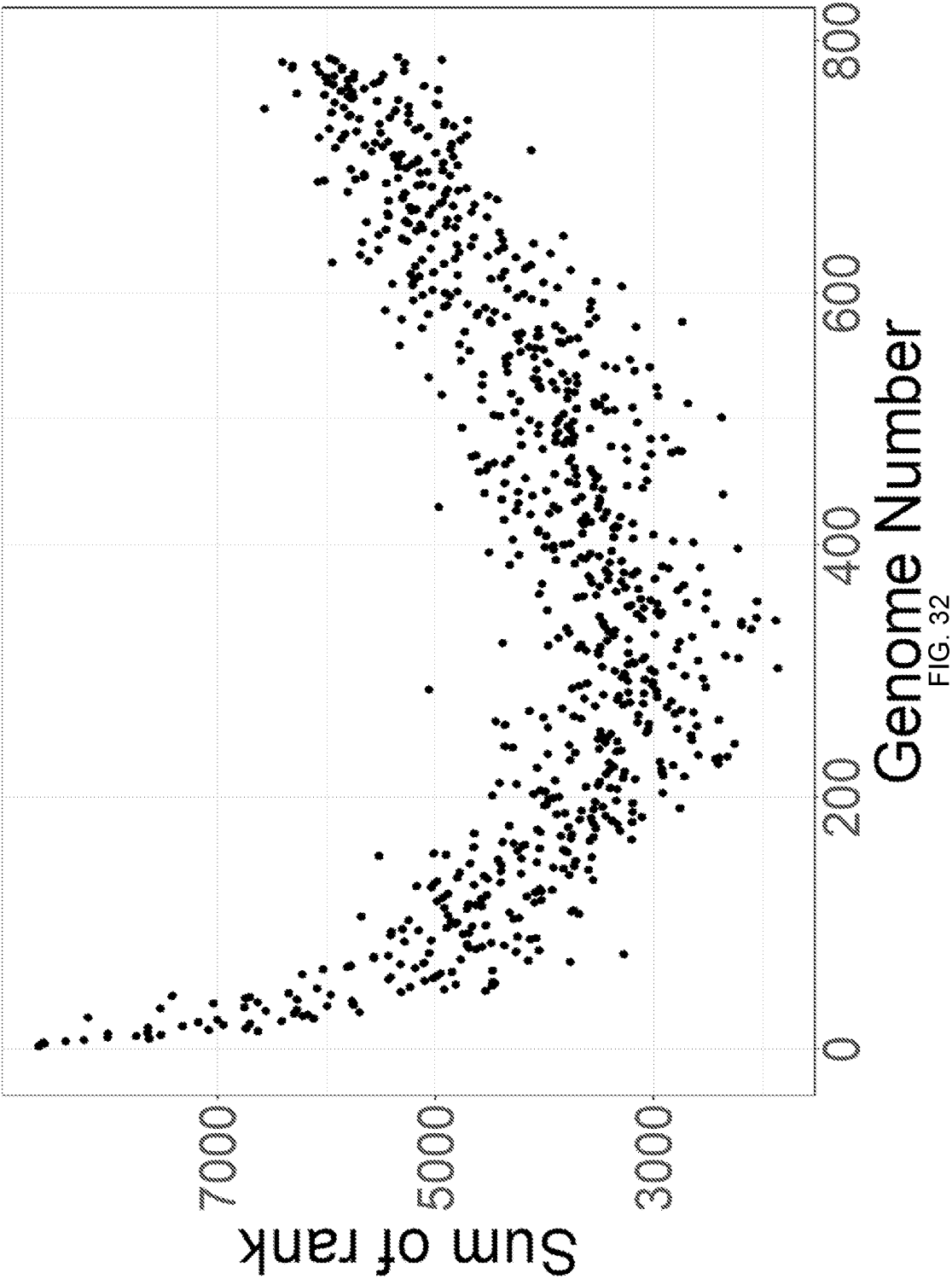


FIG. 31B





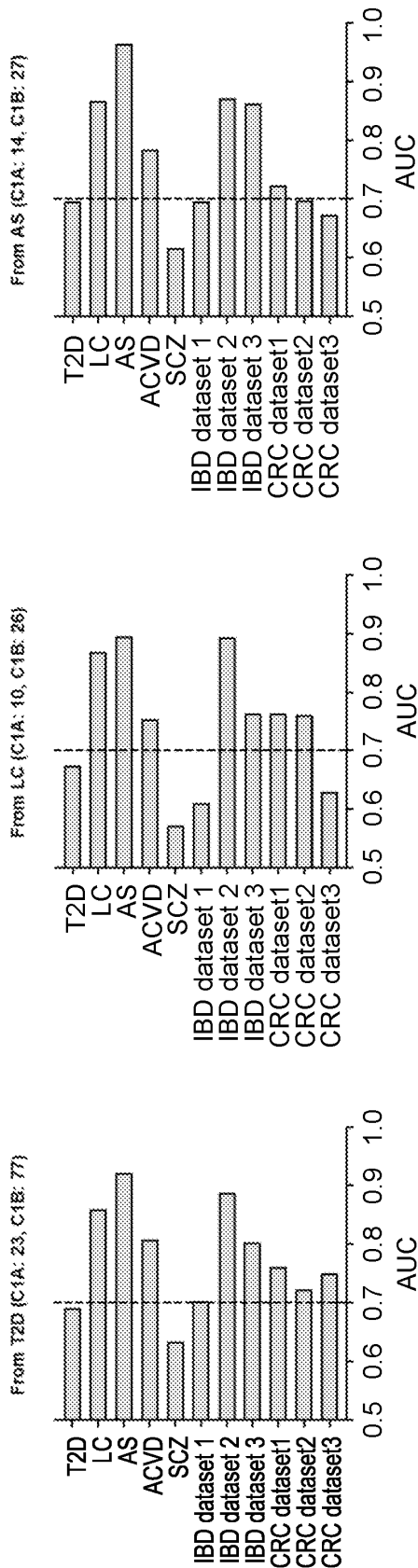


FIG. 33A

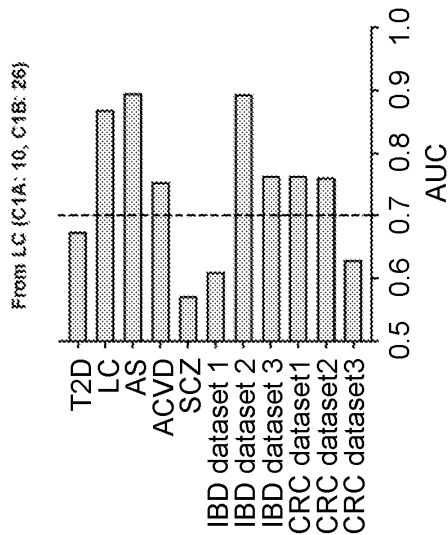


FIG. 33B

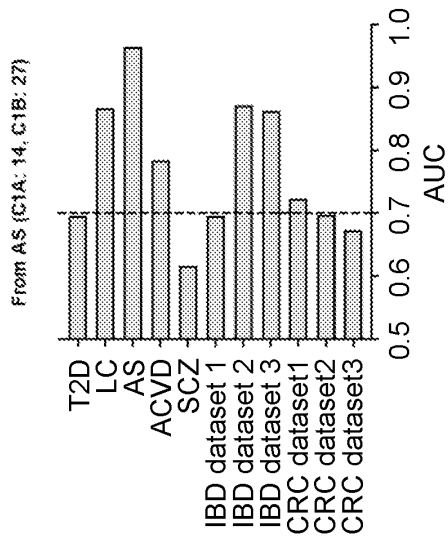


FIG. 33C

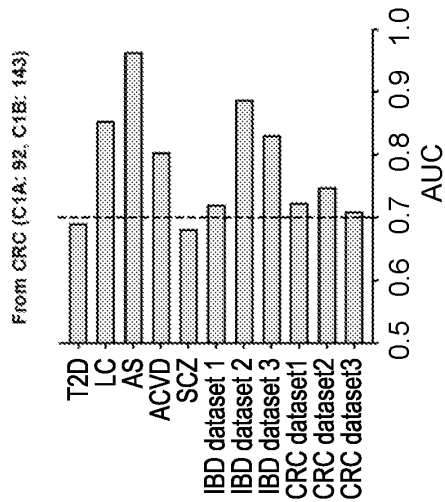


FIG. 33D

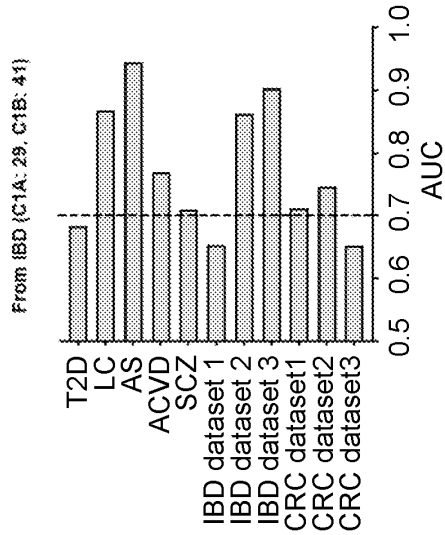


FIG. 33E

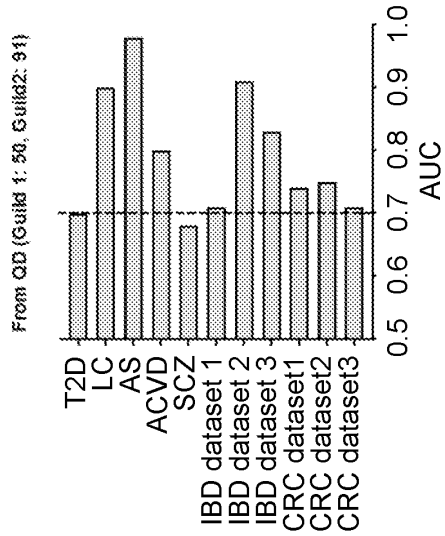


FIG. 33F

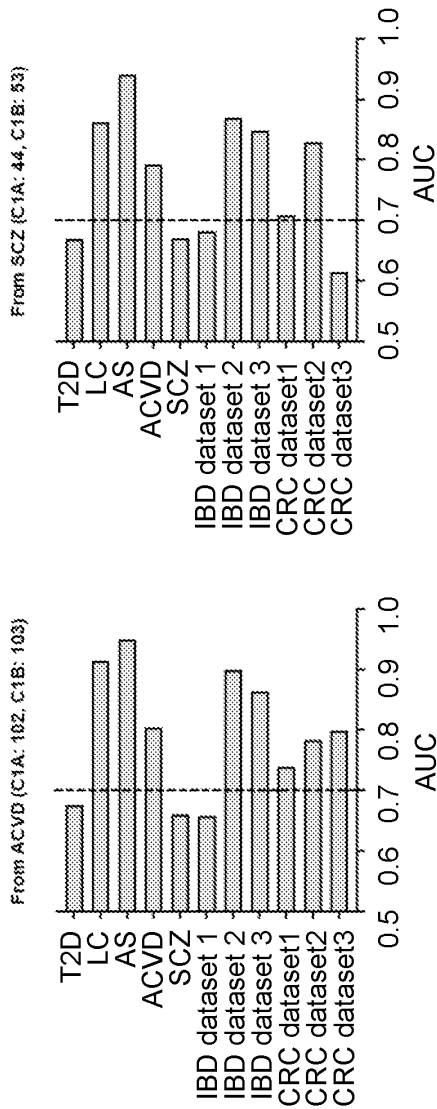


FIG. 33G

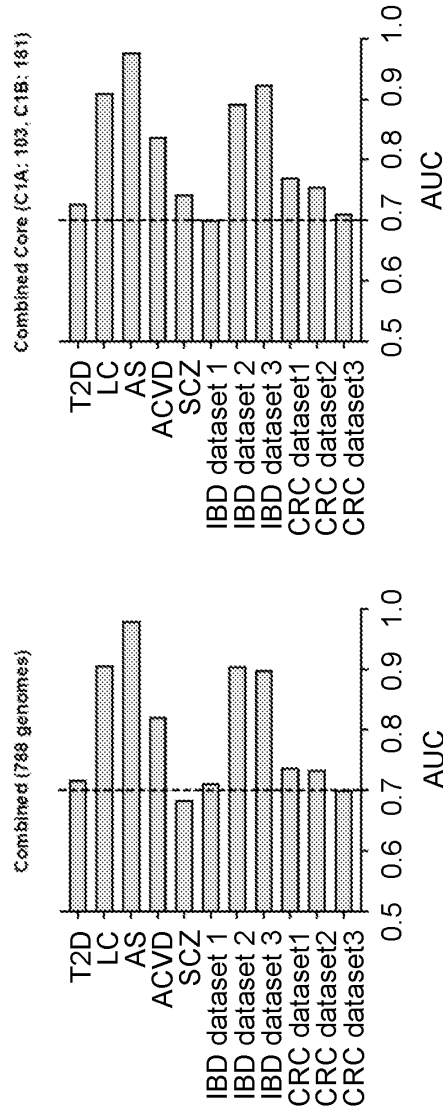


FIG. 33I

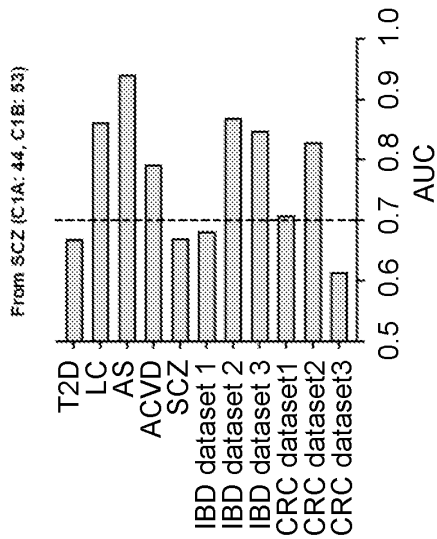


FIG. 33H

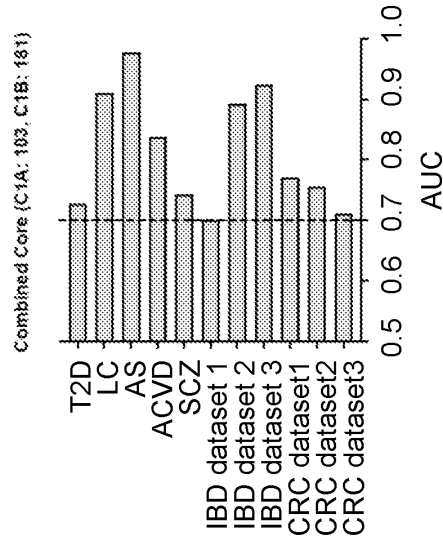


FIG. 33J

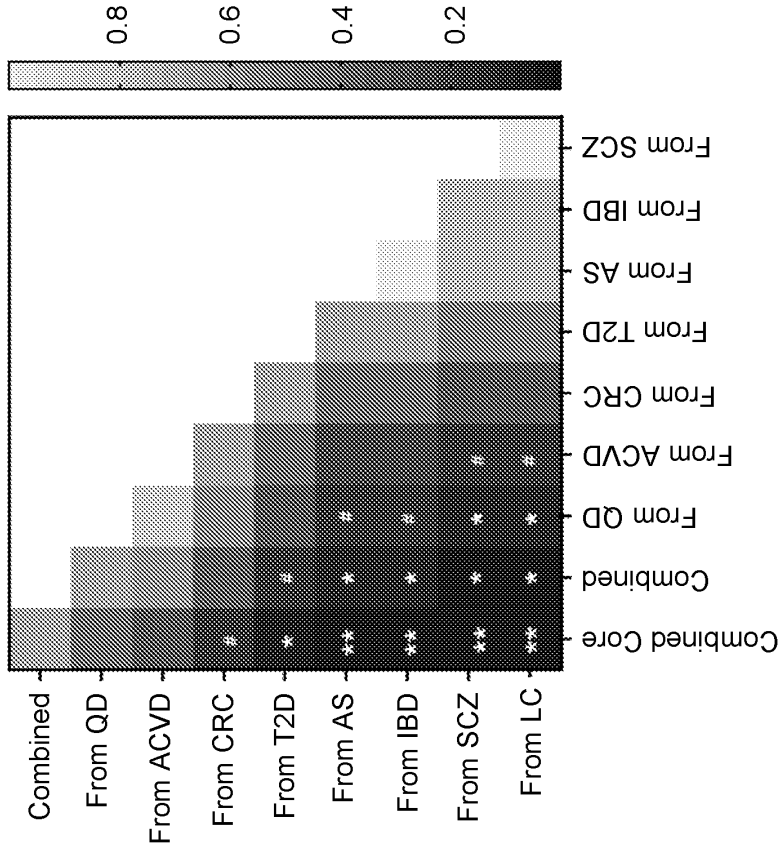


FIG. 34B

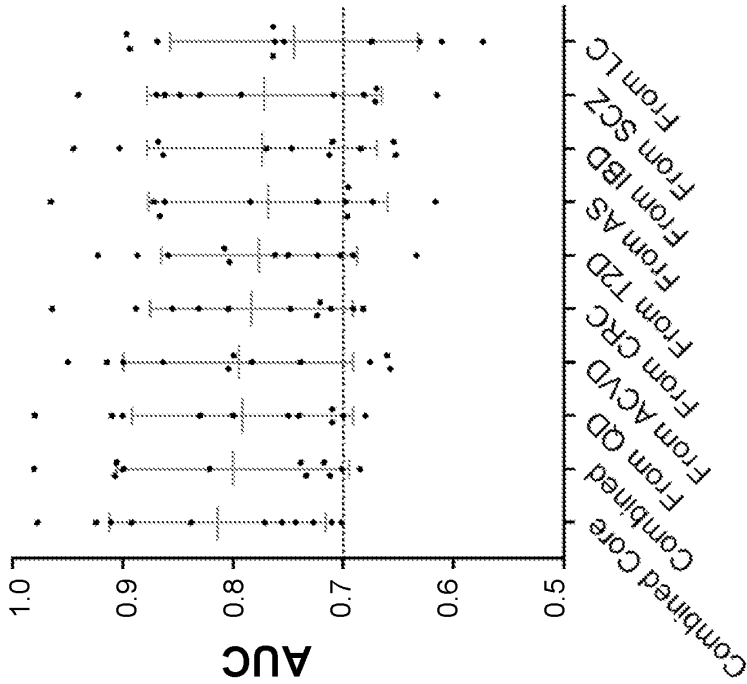


FIG. 34A

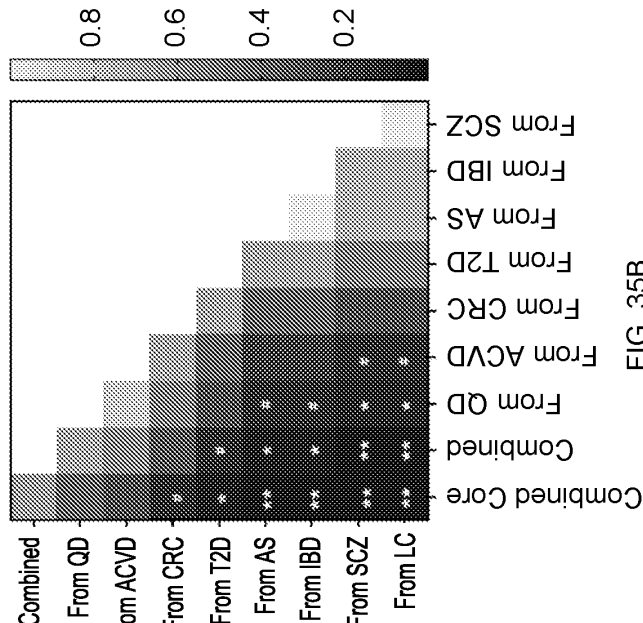


FIG. 35B

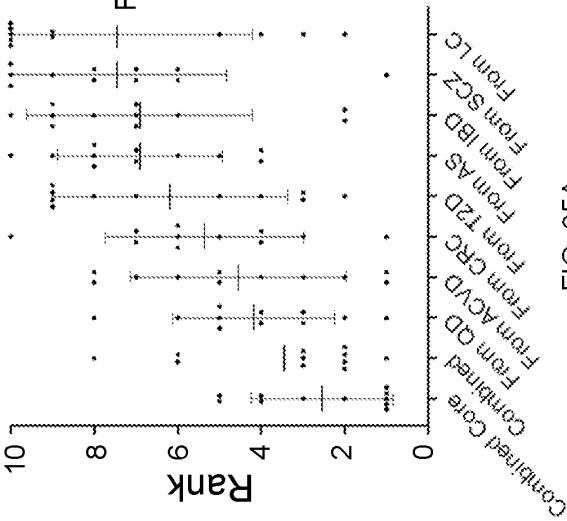


FIG. 35A

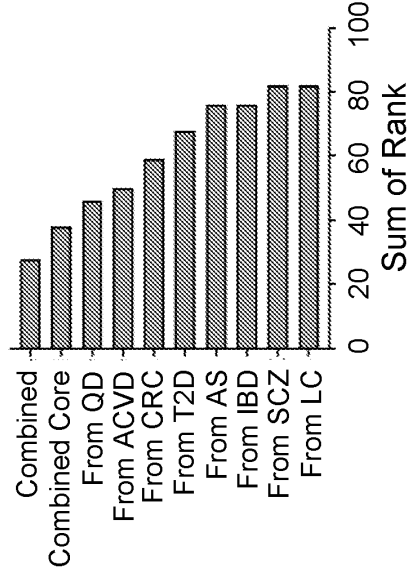


FIG. 35C

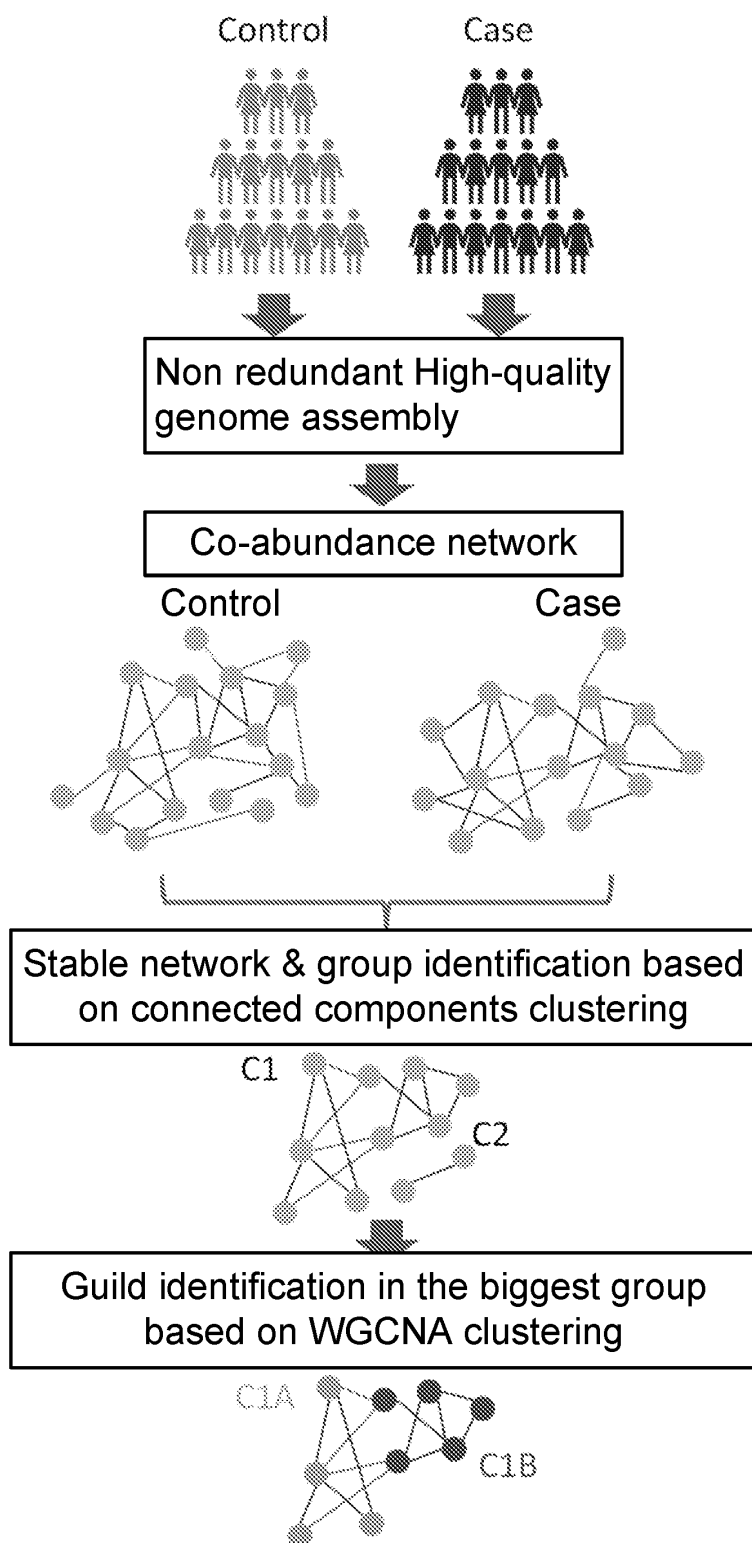


FIG. 36

ID	ACVD	AS	ASD	BD	Control	COV/CRC	GD II	HT	BD	LC	MS	PC	PD	SCZ	T2D
Erawijantari2020CRC	0	0	0	0	40	0	40	0	0	0	0	0	0	0	0
Feng2015CRC	0	0	0	0	63	0	46	0	0	0	0	0	0	0	0
Franzosa2019_discovery_IBD	0	0	0	0	34	0	0	0	121	0	0	0	0	0	0
Franzosa2019_validation_IBD	0	0	0	0	22	0	0	0	43	0	0	0	0	0	0
Jie2017ACVD	214	0	0	0	171	0	0	0	0	0	0	0	0	0	0
Kartal2022_Germany_PC	0	0	0	0	32	0	0	0	0	0	0	44	0	0	0
Kartal2022_Spain_PC	0	0	0	0	50	0	0	0	0	0	0	57	0	0	0
Li2017HT	0	0	0	0	41	0	0	99	0	0	0	0	0	0	0
Li2021COVID19	0	0	0	0	19	47	0	0	0	0	0	0	0	0	0
LloydPrice2019IBD	0	0	0	0	26	0	0	0	80	0	0	0	0	0	0
Nagata2022PC	0	0	0	0	235	0	0	0	0	0	0	43	0	0	0
Qian2020PD	0	0	0	0	40	0	0	0	0	0	0	0	39	0	0
Qin2012T2D	0	0	0	0	136	0	0	0	0	0	0	0	0	0	136
Qin2014LC	0	0	0	0	0	0	0	0	0	84	0	0	0	0	0
Thomas2019CRC	0	0	0	0	52	0	61	0	0	0	0	0	0	0	0
Ventura2019MS	0	0	0	0	24	0	0	0	0	0	24	0	0	0	0
Vogtmann2016CRC	0	0	0	0	52	0	52	0	0	0	0	0	0	0	0
Wan2019ASD	0	0	65	0	64	0	0	0	0	0	0	0	0	0	0
Wen2017AS	0	97	0	0	83	0	0	0	0	0	0	0	0	0	0
Wirbel2019CRC	0	0	0	0	60	0	22	0	0	0	0	0	0	0	0
Yan2017HT	0	0	0	0	56	0	0	60	0	0	0	0	0	0	0
Ye2018BD	0	0	0	24	52	0	0	0	0	0	0	0	0	0	0
YU2017CRC	0	0	0	0	54	0	74	0	0	0	0	0	0	0	0
Zhou2019AS	0	85	0	0	55	0	0	0	0	0	0	0	0	0	0
Zhu2019GD	0	0	0	0	62	0	0	34	0	0	0	0	0	0	0
Zhu2020SCZ	0	0	0	0	81	0	0	0	0	0	0	0	0	90	0

FIG. 37

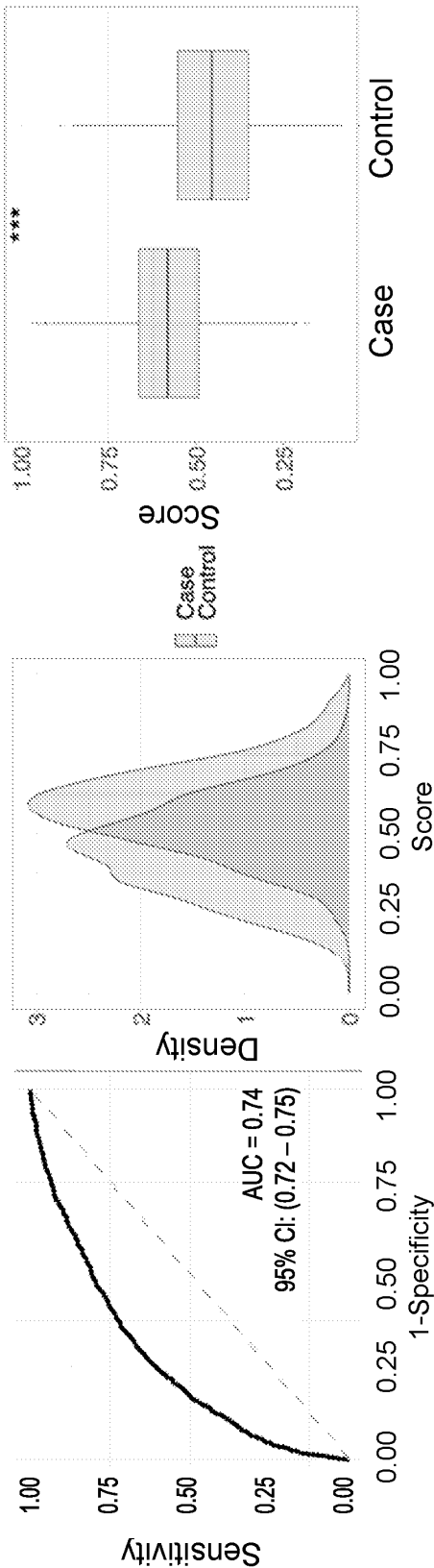


FIG. 38A1

FIG. 38A2

FIG. 38A3

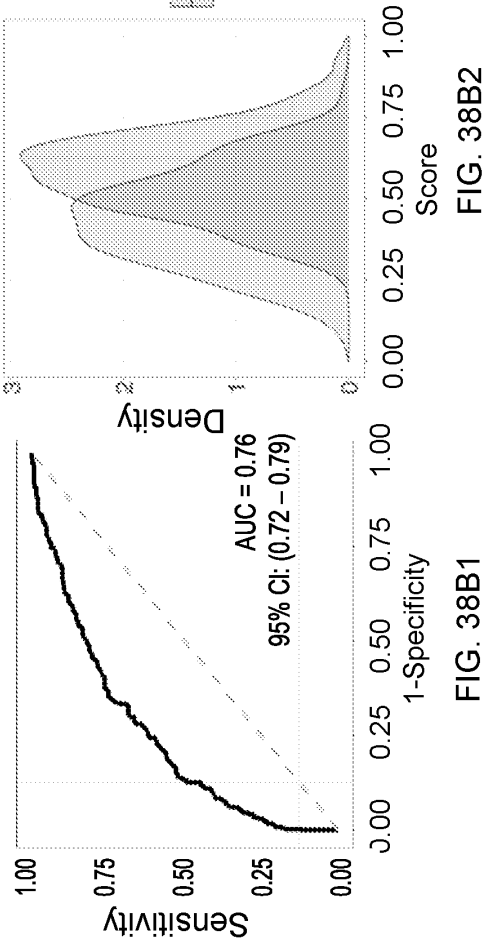
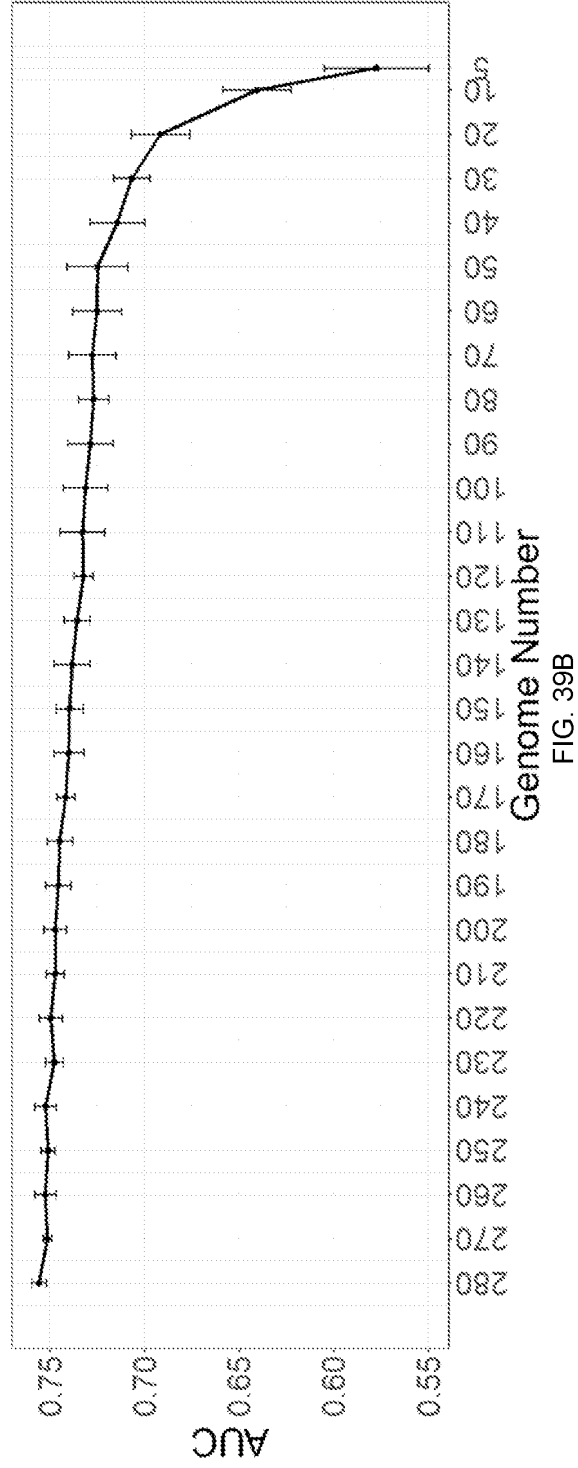
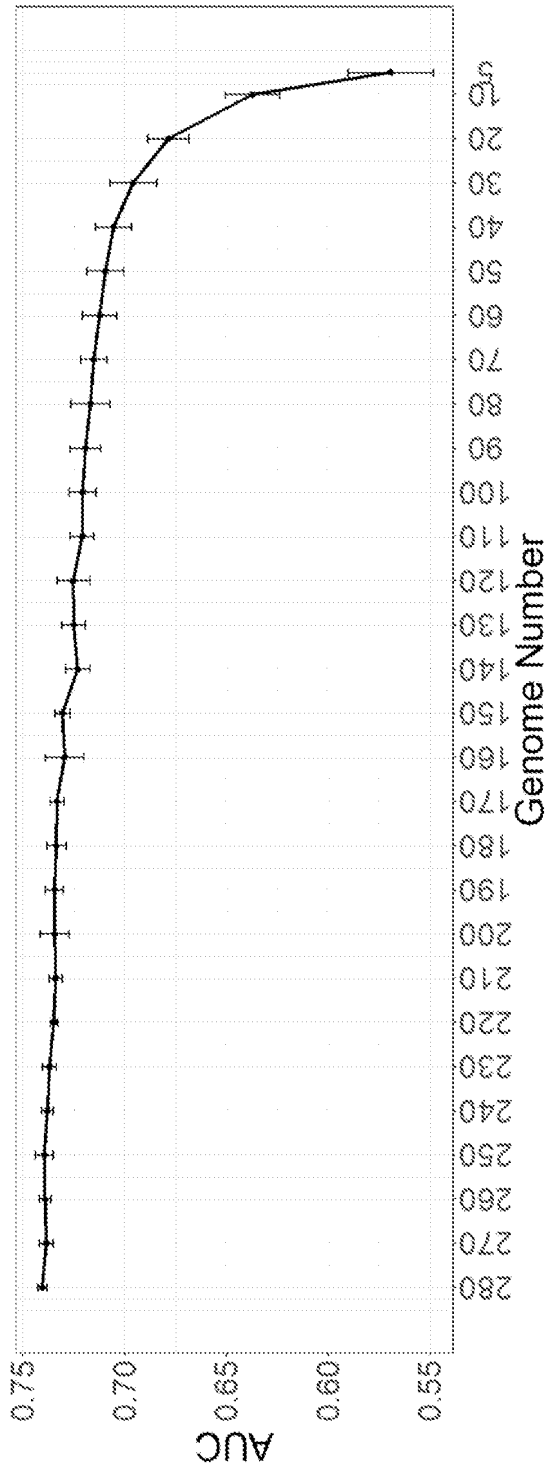
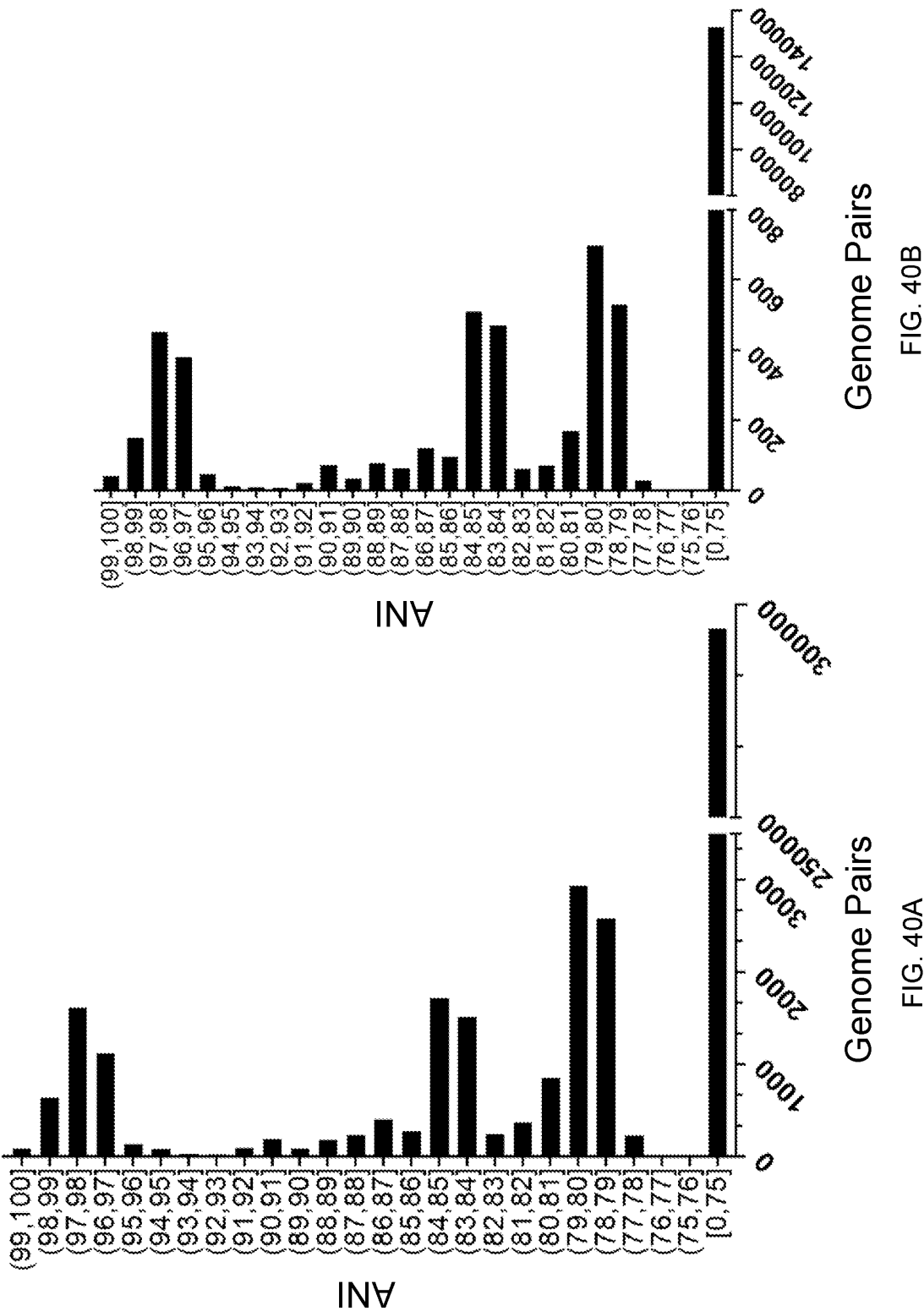


FIG. 38B1

FIG. 38B2

FIG. 38B3





<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>	<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>
1U001.8	SEQ ID NO: 1 to SEQ ID NO: 68	1W071.30	SEQ ID NO: 4066 to SEQ ID NO: 4168
1U002.41	SEQ ID NO: 69 to SEQ ID NO: 145	1W071.47	SEQ ID NO: 4169 to SEQ ID NO: 4243
1U002.48	SEQ ID NO: 146 to SEQ ID NO: 354	1W072.11	SEQ ID NO: 4244 to SEQ ID NO: 4354
1U003.28	SEQ ID NO: 355 to SEQ ID NO: 422	1W075.14	SEQ ID NO: 4355 to SEQ ID NO: 4379
1U009.16	SEQ ID NO: 423 to SEQ ID NO: 466	1W078.21	SEQ ID NO: 4380 to SEQ ID NO: 4399
1U014.38	SEQ ID NO: 467 to SEQ ID NO: 496	1W079.48	SEQ ID NO: 4400 to SEQ ID NO: 4477
1U015.20	SEQ ID NO: 497 to SEQ ID NO: 550	1W080.50	SEQ ID NO: 4478 to SEQ ID NO: 4627
1U015.30	SEQ ID NO: 551 to SEQ ID NO: 597	2U001.12	SEQ ID NO: 4628 to SEQ ID NO: 4747
1U017.16	SEQ ID NO: 598 to SEQ ID NO: 645	2U001.17	SEQ ID NO: 4748 to SEQ ID NO: 4851
1U017.25	SEQ ID NO: 646 to SEQ ID NO: 752	2U001.37	SEQ ID NO: 4852 to SEQ ID NO: 4945
1U021.14	SEQ ID NO: 753 to SEQ ID NO: 854	2U004.52	SEQ ID NO: 4946 to SEQ ID NO: 4972
1U024.11	SEQ ID NO: 855 to SEQ ID NO: 938	2U008.16	SEQ ID NO: 4973 to SEQ ID NO: 5323
1U027.33	SEQ ID NO: 939 to SEQ ID NO: 973	2U033.18	SEQ ID NO: 5324 to SEQ ID NO: 5422
1U030.25	SEQ ID NO: 974 to SEQ ID NO: 1017	2U033.43	SEQ ID NO: 5423 to SEQ ID NO: 5499
1U030.5	SEQ ID NO: 1018 to SEQ ID NO: 1120	2U037.14	SEQ ID NO: 5500 to SEQ ID NO: 5538
1U035.49	SEQ ID NO: 1121 to SEQ ID NO: 1169	2U037.18	SEQ ID NO: 5539 to SEQ ID NO: 5603
1U035.55	SEQ ID NO: 1170 to SEQ ID NO: 1217	2U038.12	SEQ ID NO: 5604 to SEQ ID NO: 5812
1U036.17	SEQ ID NO: 1218 to SEQ ID NO: 1275	2U038.5	SEQ ID NO: 5813 to SEQ ID NO: 5890
1U036.46	SEQ ID NO: 1276 to SEQ ID NO: 1319	2W001.17	SEQ ID NO: 5891 to SEQ ID NO: 6171
1U036.9	SEQ ID NO: 1320 to SEQ ID NO: 1425	2W001.22	SEQ ID NO: 6172 to SEQ ID NO: 6225
1U038.18	SEQ ID NO: 1426 to SEQ ID NO: 1457	2W001.42	SEQ ID NO: 6226 to SEQ ID NO: 6304
1U038.6	SEQ ID NO: 1458 to SEQ ID NO: 1517	2W002.29	SEQ ID NO: 6305 to SEQ ID NO: 6351
1W001.34	SEQ ID NO: 1518 to SEQ ID NO: 1547	2W004.25	SEQ ID NO: 6352 to SEQ ID NO: 6414
1W006.13	SEQ ID NO: 1548 to SEQ ID NO: 1716	2W005.9	SEQ ID NO: 6415 to SEQ ID NO: 6534
1W011.28	SEQ ID NO: 1717 to SEQ ID NO: 1817	2W007.23	SEQ ID NO: 6535 to SEQ ID NO: 6691
1W012.66	SEQ ID NO: 1818 to SEQ ID NO: 1857	2W009.30	SEQ ID NO: 6692 to SEQ ID NO: 6738
1W023.15	SEQ ID NO: 1858 to SEQ ID NO: 1922	2W011.21	SEQ ID NO: 6739 to SEQ ID NO: 7001
1W023.20	SEQ ID NO: 1923 to SEQ ID NO: 1972	2W023.30	SEQ ID NO: 7002 to SEQ ID NO: 7034
1W023.6	SEQ ID NO: 1973 to SEQ ID NO: 2019	2W025.8	SEQ ID NO: 7035 to SEQ ID NO: 7169
1W026.10	SEQ ID NO: 2020 to SEQ ID NO: 2178	2W026.44	SEQ ID NO: 7170 to SEQ ID NO: 7198
1W030.27	SEQ ID NO: 2179 to SEQ ID NO: 2290	2W027.13	SEQ ID NO: 7199 to SEQ ID NO: 7270
1W032.17	SEQ ID NO: 2291 to SEQ ID NO: 2434	2W027.27	SEQ ID NO: 7271 to SEQ ID NO: 7324
1W032.19	SEQ ID NO: 2435 to SEQ ID NO: 2747	2W029.13	SEQ ID NO: 7325 to SEQ ID NO: 7368
1W033.3	SEQ ID NO: 2748 to SEQ ID NO: 2800	2W034.32	SEQ ID NO: 7369 to SEQ ID NO: 7516
1W033.9	SEQ ID NO: 2801 to SEQ ID NO: 2883	2W037.10	SEQ ID NO: 7517 to SEQ ID NO: 7615
1W036.28	SEQ ID NO: 2884 to SEQ ID NO: 2935	2W043.20	SEQ ID NO: 7616 to SEQ ID NO: 7684
1W037.25	SEQ ID NO: 2936 to SEQ ID NO: 2986	2W043.36	SEQ ID NO: 7685 to SEQ ID NO: 7812
1W037.27	SEQ ID NO: 2987 to SEQ ID NO: 3048	2W048.49	SEQ ID NO: 7813 to SEQ ID NO: 7902
1W038.31	SEQ ID NO: 3049 to SEQ ID NO: 3211	2W050.17	SEQ ID NO: 7903 to SEQ ID NO: 7983
1W042.8	SEQ ID NO: 3212 to SEQ ID NO: 3259	2W053.46	SEQ ID NO: 7984 to SEQ ID NO: 8116
1W059.36	SEQ ID NO: 3260 to SEQ ID NO: 3358	2W062.21	SEQ ID NO: 8117 to SEQ ID NO: 8358
1W062.68	SEQ ID NO: 3359 to SEQ ID NO: 3391	2W064.32	SEQ ID NO: 8359 to SEQ ID NO: 8475
1W065.34	SEQ ID NO: 3392 to SEQ ID NO: 3510	2W065.60	SEQ ID NO: 8476 to SEQ ID NO: 8644
1W070.8	SEQ ID NO: 3511 to SEQ ID NO: 3991	2W067.16	SEQ ID NO: 8645 to SEQ ID NO: 8836
1W071.19	SEQ ID NO: 3992 to SEQ ID NO: 4065	2W067.69	SEQ ID NO: 8837 to SEQ ID NO: 8964

FIG. 41 A

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>			<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>		
2W073.18	SEQ ID NO: 8965	to SEQ ID NO: 9126	ERR1018197.5	SEQ ID NO: 12743	to SEQ ID NO: 12774	ERR1018197.5	SEQ ID NO: 12774
2W073.55	SEQ ID NO: 9127	to SEQ ID NO: 9276	ERR1018197.9	SEQ ID NO: 12775	to SEQ ID NO: 12847	ERR1018197.9	SEQ ID NO: 12847
2W074.14	SEQ ID NO: 9277	to SEQ ID NO: 9326	ERR1018198.10	SEQ ID NO: 12848	to SEQ ID NO: 12912	ERR1018198.10	SEQ ID NO: 12912
2W080.51	SEQ ID NO: 9327	to SEQ ID NO: 9392	ERR1018198.9	SEQ ID NO: 12913	to SEQ ID NO: 12984	ERR1018198.9	SEQ ID NO: 12984
2W080.58	SEQ ID NO: 9393	to SEQ ID NO: 9475	ERR1018200.11	SEQ ID NO: 12985	to SEQ ID NO: 13088	ERR1018200.11	SEQ ID NO: 13088
3U005.26	SEQ ID NO: 9476	to SEQ ID NO: 9582	ERR1018200.15	SEQ ID NO: 13089	to SEQ ID NO: 13163	ERR1018200.15	SEQ ID NO: 13163
3U007.7	SEQ ID NO: 9583	to SEQ ID NO: 9624	ERR1018200.4	SEQ ID NO: 13164	to SEQ ID NO: 13353	ERR1018200.4	SEQ ID NO: 13353
3U010.20	SEQ ID NO: 9625	to SEQ ID NO: 9718	ERR1018204.1	SEQ ID NO: 13354	to SEQ ID NO: 13454	ERR1018204.1	SEQ ID NO: 13454
3U020.14	SEQ ID NO: 9719	to SEQ ID NO: 9879	ERR1018206.8	SEQ ID NO: 13455	to SEQ ID NO: 13631	ERR1018206.8	SEQ ID NO: 13631
3U023.7	SEQ ID NO: 9880	to SEQ ID NO: 10024	ERR1018210.9	SEQ ID NO: 13632	to SEQ ID NO: 13673	ERR1018210.9	SEQ ID NO: 13673
3U024.38	SEQ ID NO: 10025	to SEQ ID NO: 10044	ERR1018212.11	SEQ ID NO: 13674	to SEQ ID NO: 13770	ERR1018212.11	SEQ ID NO: 13770
3U033.37	SEQ ID NO: 10045	to SEQ ID NO: 10086	ERR1018213.10	SEQ ID NO: 13771	to SEQ ID NO: 13921	ERR1018213.10	SEQ ID NO: 13921
3U038.19	SEQ ID NO: 10087	to SEQ ID NO: 10144	ERR1018213.6	SEQ ID NO: 13922	to SEQ ID NO: 14090	ERR1018213.6	SEQ ID NO: 14090
3U040.11	SEQ ID NO: 10145	to SEQ ID NO: 10209	ERR1018213.7	SEQ ID NO: 14091	to SEQ ID NO: 14450	ERR1018213.7	SEQ ID NO: 14450
3W002.16	SEQ ID NO: 10210	to SEQ ID NO: 10262	ERR1018217.15	SEQ ID NO: 14451	to SEQ ID NO: 14535	ERR1018217.15	SEQ ID NO: 14535
3W015.22	SEQ ID NO: 10263	to SEQ ID NO: 10302	ERR1018218.4	SEQ ID NO: 14536	to SEQ ID NO: 14629	ERR1018218.4	SEQ ID NO: 14629
3W023.3	SEQ ID NO: 10303	to SEQ ID NO: 10415	ERR1018219.12	SEQ ID NO: 14630	to SEQ ID NO: 14687	ERR1018219.12	SEQ ID NO: 14687
3W028.33	SEQ ID NO: 10416	to SEQ ID NO: 10446	ERR1018219.9	SEQ ID NO: 14688	to SEQ ID NO: 14974	ERR1018219.9	SEQ ID NO: 14974
3W039.10	SEQ ID NO: 10447	to SEQ ID NO: 10486	ERR1018223.9	SEQ ID NO: 14975	to SEQ ID NO: 15130	ERR1018223.9	SEQ ID NO: 15130
3W042.11	SEQ ID NO: 10487	to SEQ ID NO: 10550	ERR1018226.10	SEQ ID NO: 15131	to SEQ ID NO: 15201	ERR1018226.10	SEQ ID NO: 15201
3W048.18	SEQ ID NO: 10551	to SEQ ID NO: 10615	ERR1018229.14	SEQ ID NO: 15202	to SEQ ID NO: 15374	ERR1018229.14	SEQ ID NO: 15374
3W049.14	SEQ ID NO: 10616	to SEQ ID NO: 10680	ERR1018230.10	SEQ ID NO: 15375	to SEQ ID NO: 15416	ERR1018230.10	SEQ ID NO: 15416
3W052.32	SEQ ID NO: 10681	to SEQ ID NO: 10779	ERR1018232.13	SEQ ID NO: 15417	to SEQ ID NO: 15614	ERR1018232.13	SEQ ID NO: 15614
3W054.11	SEQ ID NO: 10780	to SEQ ID NO: 10850	ERR1018232.6	SEQ ID NO: 15615	to SEQ ID NO: 15742	ERR1018232.6	SEQ ID NO: 15742
3W055.19	SEQ ID NO: 10851	to SEQ ID NO: 10886	ERR1018233.3	SEQ ID NO: 15743	to SEQ ID NO: 15818	ERR1018233.3	SEQ ID NO: 15818
3W062.32	SEQ ID NO: 10887	to SEQ ID NO: 10965	ERR1018237.11	SEQ ID NO: 15819	to SEQ ID NO: 15939	ERR1018237.11	SEQ ID NO: 15939
3W067.18	SEQ ID NO: 10966	to SEQ ID NO: 11045	ERR1018237.9	SEQ ID NO: 15940	to SEQ ID NO: 16021	ERR1018237.9	SEQ ID NO: 16021
3W072.38	SEQ ID NO: 11046	to SEQ ID NO: 11078	ERR1018238.17	SEQ ID NO: 16022	to SEQ ID NO: 16185	ERR1018238.17	SEQ ID NO: 16185
3W073.49	SEQ ID NO: 11079	to SEQ ID NO: 11118	ERR1018239.3	SEQ ID NO: 16186	to SEQ ID NO: 16308	ERR1018239.3	SEQ ID NO: 16308
3W074.2	SEQ ID NO: 11119	to SEQ ID NO: 11166	ERR1018239.7	SEQ ID NO: 16309	to SEQ ID NO: 16626	ERR1018239.7	SEQ ID NO: 16626
3W079.9	SEQ ID NO: 11167	to SEQ ID NO: 11234	ERR1018241.8	SEQ ID NO: 16627	to SEQ ID NO: 16676	ERR1018241.8	SEQ ID NO: 16676
3W080.19	SEQ ID NO: 11235	to SEQ ID NO: 11270	ERR1018244.15	SEQ ID NO: 16677	to SEQ ID NO: 16874	ERR1018244.15	SEQ ID NO: 16874
3W080.64	SEQ ID NO: 11275	to SEQ ID NO: 11290	ERR1018244.21	SEQ ID NO: 16875	to SEQ ID NO: 17042	ERR1018244.21	SEQ ID NO: 17042
CSM79HP4.3	SEQ ID NO: 11291	to SEQ ID NO: 11355	ERR1018246.17	SEQ ID NO: 17043	to SEQ ID NO: 17179	ERR1018246.17	SEQ ID NO: 17179
ERR1018185.1	SEQ ID NO: 11356	to SEQ ID NO: 11440	ERR1018249.8	SEQ ID NO: 17180	to SEQ ID NO: 17406	ERR1018249.8	SEQ ID NO: 17406
ERR1018186.12	SEQ ID NO: 11441	to SEQ ID NO: 11527	ERR1018250.9	SEQ ID NO: 17407	to SEQ ID NO: 17784	ERR1018250.9	SEQ ID NO: 17784
ERR1018187.16	SEQ ID NO: 11528	to SEQ ID NO: 11654	ERR1018252.14	SEQ ID NO: 17785	to SEQ ID NO: 17867	ERR1018252.14	SEQ ID NO: 17867
ERR1018187.4	SEQ ID NO: 11655	to SEQ ID NO: 11794	ERR1018258.16	SEQ ID NO: 17868	to SEQ ID NO: 17989	ERR1018258.16	SEQ ID NO: 17989
ERR1018188.11	SEQ ID NO: 11795	to SEQ ID NO: 11858	ERR1018258.4	SEQ ID NO: 17989	to SEQ ID NO: 18133	ERR1018258.4	SEQ ID NO: 18133
ERR1018189.10	SEQ ID NO: 11859	to SEQ ID NO: 11957	ERR1018262.5	SEQ ID NO: 18134	to SEQ ID NO: 18211	ERR1018262.5	SEQ ID NO: 18211
ERR1018191.1	SEQ ID NO: 11958	to SEQ ID NO: 12097	ERR1018263.10	SEQ ID NO: 18212	to SEQ ID NO: 18391	ERR1018263.10	SEQ ID NO: 18391
ERR1018192.1	SEQ ID NO: 12098	to SEQ ID NO: 12174	ERR1018263.13	SEQ ID NO: 18392	to SEQ ID NO: 18565	ERR1018263.13	SEQ ID NO: 18565
ERR1018192.4	SEQ ID NO: 12175	to SEQ ID NO: 12353	ERR1018264.2	SEQ ID NO: 18566	to SEQ ID NO: 18682	ERR1018264.2	SEQ ID NO: 18682
ERR1018192.8	SEQ ID NO: 12354	to SEQ ID NO: 12393	ERR1018267.4	SEQ ID NO: 18683	to SEQ ID NO: 18866	ERR1018267.4	SEQ ID NO: 18866
ERR1018196.11	SEQ ID NO: 12394	to SEQ ID NO: 12742	ERR1018275.8	SEQ ID NO: 18867	to SEQ ID NO: 18940	ERR1018275.8	SEQ ID NO: 18940

FIG. 41 B

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>			<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>		
ERR1018277.9	SEQ ID NO: 18941	to SEQ ID NO: 19020	ERR2017539.14	SEQ ID NO: 25237	to SEQ ID NO: 25559		
ERR1018278.5	SEQ ID NO: 19021	to SEQ ID NO: 19322	ERR2017540.1	SEQ ID NO: 25560	to SEQ ID NO: 25607		
ERR1018279.5	SEQ ID NO: 19323	to SEQ ID NO: 19497	ERR2017541.4	SEQ ID NO: 25608	to SEQ ID NO: 25666		
ERR1018280.11	SEQ ID NO: 19498	to SEQ ID NO: 19581	ERR2017543.5	SEQ ID NO: 25667	to SEQ ID NO: 25783		
ERR1018280.4	SEQ ID NO: 19582	to SEQ ID NO: 19581	ERR2017548.1	SEQ ID NO: 25784	to SEQ ID NO: 26051		
ERR1018282.12	SEQ ID NO: 19862	to SEQ ID NO: 19968	ERR2017548.14	SEQ ID NO: 26052	to SEQ ID NO: 26232		
ERR1018282.14	SEQ ID NO: 19969	to SEQ ID NO: 20108	ERR2017549.11	SEQ ID NO: 26233	to SEQ ID NO: 26375		
ERR1018283.10	SEQ ID NO: 20109	to SEQ ID NO: 20146	ERR2017549.13	SEQ ID NO: 26376	to SEQ ID NO: 26465		
ERR1018283.14	SEQ ID NO: 20147	to SEQ ID NO: 20201	ERR2017552.10	SEQ ID NO: 26466	to SEQ ID NO: 26566		
ERR1018284.8	SEQ ID NO: 20202	to SEQ ID NO: 20264	ERR2017552.8	SEQ ID NO: 26567	to SEQ ID NO: 26661		
ERR1018287.4	SEQ ID NO: 20265	to SEQ ID NO: 20378	ERR2017555.15	SEQ ID NO: 26662	to SEQ ID NO: 26807		
ERR1018290.2	SEQ ID NO: 20379	to SEQ ID NO: 20473	ERR2017555.18	SEQ ID NO: 26808	to SEQ ID NO: 26950		
ERR1018291.11	SEQ ID NO: 20474	to SEQ ID NO: 20592	ERR2017555.23	SEQ ID NO: 26951	to SEQ ID NO: 27087		
ERR1018292.4	SEQ ID NO: 20593	to SEQ ID NO: 20684	ERR2017563.14	SEQ ID NO: 27088	to SEQ ID NO: 27233		
ERR1018292.2	SEQ ID NO: 20685	to SEQ ID NO: 20834	ERR2017568.21	SEQ ID NO: 27234	to SEQ ID NO: 27487		
ERR1018293.1	SEQ ID NO: 20835	to SEQ ID NO: 20912	ERR2017569.2	SEQ ID NO: 27488	to SEQ ID NO: 27612		
ERR1018298.1	SEQ ID NO: 20913	to SEQ ID NO: 21021	ERR2017569.9	SEQ ID NO: 27613	to SEQ ID NO: 27686		
ERR1018301.12	SEQ ID NO: 21022	to SEQ ID NO: 21428	ERR2017570.3	SEQ ID NO: 27687	to SEQ ID NO: 27737		
ERR1018302.1	SEQ ID NO: 21429	to SEQ ID NO: 21547	ERR2017573.1	SEQ ID NO: 27738	to SEQ ID NO: 27788		
ERR1018305.11	SEQ ID NO: 21548	to SEQ ID NO: 21662	ERR2017573.11	SEQ ID NO: 27789	to SEQ ID NO: 27857		
ERR1018308.3	SEQ ID NO: 21663	to SEQ ID NO: 21722	ERR2017574.11	SEQ ID NO: 27858	to SEQ ID NO: 28058		
ERR1018309.23	SEQ ID NO: 21723	to SEQ ID NO: 21827	ERR2017577.6	SEQ ID NO: 28059	to SEQ ID NO: 28119		
ERR1018309.8	SEQ ID NO: 21828	to SEQ ID NO: 21911	ERR2017581.15	SEQ ID NO: 28120	to SEQ ID NO: 28207		
ERR2017412.6	SEQ ID NO: 21912	to SEQ ID NO: 22105	ERR2017584.10	SEQ ID NO: 28208	to SEQ ID NO: 28282		
ERR2017416.7	SEQ ID NO: 22106	to SEQ ID NO: 22221	ERR2017584.6	SEQ ID NO: 28283	to SEQ ID NO: 28304		
ERR2017428.1	SEQ ID NO: 22222	to SEQ ID NO: 22363	ERR2017586.15	SEQ ID NO: 28305	to SEQ ID NO: 28442		
ERR2017429.2	SEQ ID NO: 22364	to SEQ ID NO: 22558	ERR2017586.17	SEQ ID NO: 28443	to SEQ ID NO: 28561		
ERR2017430.1	SEQ ID NO: 22559	to SEQ ID NO: 22846	ERR2017586.7	SEQ ID NO: 28562	to SEQ ID NO: 28700		
ERR2017433.5	SEQ ID NO: 22847	to SEQ ID NO: 23001	ERR2017586.7	SEQ ID NO: 28701	to SEQ ID NO: 28797		
ERR2017440.3	SEQ ID NO: 23002	to SEQ ID NO: 23133	ERR2017589.12	SEQ ID NO: 28798	to SEQ ID NO: 28991		
ERR2017443.11	SEQ ID NO: 23134	to SEQ ID NO: 23174	ERR2017591.13	SEQ ID NO: 28992	to SEQ ID NO: 29129		
ERR2017460.9	SEQ ID NO: 23175	to SEQ ID NO: 23271	ERR2017595.12	SEQ ID NO: 29130	to SEQ ID NO: 29280		
ERR2017469.2	SEQ ID NO: 23272	to SEQ ID NO: 23446	ERR2017595.16	SEQ ID NO: 29281	to SEQ ID NO: 29389		
ERR2017471.8	SEQ ID NO: 23447	to SEQ ID NO: 23726	ERR2017596.4	SEQ ID NO: 29390	to SEQ ID NO: 29427		
ERR2017472.1	SEQ ID NO: 23727	to SEQ ID NO: 23867	ERR2017596.7	SEQ ID NO: 29428	to SEQ ID NO: 29457		
ERR2017473.2	SEQ ID NO: 23868	to SEQ ID NO: 24326	ERR2017600.13	SEQ ID NO: 29458	to SEQ ID NO: 29522		
ERR2017495.6	SEQ ID NO: 24327	to SEQ ID NO: 24419	ERR2017601.3	SEQ ID NO: 29523	to SEQ ID NO: 29686		
ERR2017500.4	SEQ ID NO: 24420	to SEQ ID NO: 24631	ERR2017605.6	SEQ ID NO: 29687	to SEQ ID NO: 29876		
ERR2017517.1	SEQ ID NO: 24632	to SEQ ID NO: 24746	ERR2017606.10	SEQ ID NO: 29877	to SEQ ID NO: 30046		
ERR2017518.8	SEQ ID NO: 24747	to SEQ ID NO: 24857	ERR2017608.6	SEQ ID NO: 30047	to SEQ ID NO: 30095		
ERR2017522.17	SEQ ID NO: 24858	to SEQ ID NO: 24922	ERR2017609.5	SEQ ID NO: 30096	to SEQ ID NO: 30223		
ERR2017524.6	SEQ ID NO: 24923	to SEQ ID NO: 25007	ERR2017610.5	SEQ ID NO: 30224	to SEQ ID NO: 30352		
ERR2017529.10	SEQ ID NO: 25008	to SEQ ID NO: 25074	ERR2017611.8	SEQ ID NO: 30353	to SEQ ID NO: 30418		
ERR2017529.14	SEQ ID NO: 25075	to SEQ ID NO: 25173	ERR2017611.8	SEQ ID NO: 30419	to SEQ ID NO: 30482		
ERR2017538.19	SEQ ID NO: 25174	to SEQ ID NO: 25236	ERR2017615.4	SEQ ID NO: 30483	to SEQ ID NO: 30788		

FIG. 41 C

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>			<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>		
ERR2017617.4	SEQ ID NO: 30789	to SEQ ID NO: 30832	ERR2017682.10	SEQ ID NO: 36029	to SEQ ID NO: 36047		
ERR2017618.2	SEQ ID NO: 30833	to SEQ ID NO: 30878	ERR2017683.9	SEQ ID NO: 36048	to SEQ ID NO: 36161		
ERR2017618.4	SEQ ID NO: 30879	to SEQ ID NO: 30945	ERR2017685.7	SEQ ID NO: 36162	to SEQ ID NO: 36208		
ERR2017620.7	SEQ ID NO: 30946	to SEQ ID NO: 31125	ERR2017686.12	SEQ ID NO: 36209	to SEQ ID NO: 36417		
ERR2017622.3	SEQ ID NO: 31126	to SEQ ID NO: 31181	ERR2017687.14	SEQ ID NO: 36418	to SEQ ID NO: 36543		
ERR2017625.10	SEQ ID NO: 31182	to SEQ ID NO: 31244	ERR2017692.23	SEQ ID NO: 36544	to SEQ ID NO: 36608		
ERR2017628.5	SEQ ID NO: 31245	to SEQ ID NO: 31338	ERR2017693.21	SEQ ID NO: 36609	to SEQ ID NO: 36645		
ERR2017630.18	SEQ ID NO: 31339	to SEQ ID NO: 31556	ERR2017693.4	SEQ ID NO: 36646	to SEQ ID NO: 36820		
ERR2017634.12	SEQ ID NO: 31557	to SEQ ID NO: 31694	ERR2017696.1	SEQ ID NO: 36821	to SEQ ID NO: 37073		
ERR2017635.5	SEQ ID NO: 31695	to SEQ ID NO: 31918	ERR2017696.13	SEQ ID NO: 37074	to SEQ ID NO: 37128		
ERR2017636.10	SEQ ID NO: 31919	to SEQ ID NO: 31965	ERR2017696.8	SEQ ID NO: 37129	to SEQ ID NO: 37302		
ERR2017638.17	SEQ ID NO: 31966	to SEQ ID NO: 32183	ERR2017699.1	SEQ ID NO: 37303	to SEQ ID NO: 37380		
ERR2017639.10	SEQ ID NO: 32184	to SEQ ID NO: 32346	ERR2017700.13	SEQ ID NO: 37381	to SEQ ID NO: 37474		
ERR2017641.10	SEQ ID NO: 32347	to SEQ ID NO: 32451	ERR2017701.1	SEQ ID NO: 37475	to SEQ ID NO: 37548		
ERR2017641.12	SEQ ID NO: 32452	to SEQ ID NO: 32512	ERR2017701.13	SEQ ID NO: 37549	to SEQ ID NO: 37794		
ERR2017644.3	SEQ ID NO: 32513	to SEQ ID NO: 32721	ERR2017702.9	SEQ ID NO: 37795	to SEQ ID NO: 37875		
ERR2017647.13	SEQ ID NO: 32722	to SEQ ID NO: 32905	ERR2017703.5	SEQ ID NO: 37876	to SEQ ID NO: 38042		
ERR2017650.13	SEQ ID NO: 32906	to SEQ ID NO: 33207	ERR2017705.14	SEQ ID NO: 38043	to SEQ ID NO: 38228		
ERR2017651.11	SEQ ID NO: 33208	to SEQ ID NO: 33232	ERR2017706.14	SEQ ID NO: 38229	to SEQ ID NO: 38310		
ERR2017651.6	SEQ ID NO: 33233	to SEQ ID NO: 33469	ERR2017708.11	SEQ ID NO: 38311	to SEQ ID NO: 38473		
ERR2017653.1	SEQ ID NO: 33470	to SEQ ID NO: 33587	ERR2017713.3	SEQ ID NO: 38474	to SEQ ID NO: 38682		
ERR2017654.11	SEQ ID NO: 33588	to SEQ ID NO: 33710	ERR2017714.15	SEQ ID NO: 38683	to SEQ ID NO: 38746		
ERR2017657.1	SEQ ID NO: 33711	to SEQ ID NO: 33822	ERR2017716.13	SEQ ID NO: 38747	to SEQ ID NO: 38810		
ERR2017658.10	SEQ ID NO: 33823	to SEQ ID NO: 34044	ERR2017716.3	SEQ ID NO: 38811	to SEQ ID NO: 38854		
ERR2017659.11	SEQ ID NO: 34045	to SEQ ID NO: 34266	ERR2017717.14	SEQ ID NO: 38855	to SEQ ID NO: 39001		
ERR2017659.20	SEQ ID NO: 34267	to SEQ ID NO: 34597	ERR2017720.11	SEQ ID NO: 39002	to SEQ ID NO: 39128		
ERR2017660.10	SEQ ID NO: 34598	to SEQ ID NO: 34653	ERR2017722.10	SEQ ID NO: 39129	to SEQ ID NO: 39186		
ERR2017661.9	SEQ ID NO: 34654	to SEQ ID NO: 34786	ERR2017729.15	SEQ ID NO: 39187	to SEQ ID NO: 39258		
ERR2017662.4	SEQ ID NO: 34787	to SEQ ID NO: 35096	ERR2017729.20	SEQ ID NO: 39259	to SEQ ID NO: 39349		
ERR2017663.6	SEQ ID NO: 35097	to SEQ ID NO: 35177	ERR2017731.2	SEQ ID NO: 39350	to SEQ ID NO: 39459		
ERR2017669.13	SEQ ID NO: 35178	to SEQ ID NO: 35248	ERR2017732.5	SEQ ID NO: 39460	to SEQ ID NO: 39505		
ERR2017669.2	SEQ ID NO: 35249	to SEQ ID NO: 35287	ERR2017735.12	SEQ ID NO: 39506	to SEQ ID NO: 39539		
ERR2017674.4	SEQ ID NO: 35288	to SEQ ID NO: 35476	ERR2017736.11	SEQ ID NO: 39540	to SEQ ID NO: 39576		
ERR2017675.3	SEQ ID NO: 35477	to SEQ ID NO: 35604	ERR2017739.2	SEQ ID NO: 39577	to SEQ ID NO: 39745		
ERR2017676.2	SEQ ID NO: 35605	to SEQ ID NO: 35774	ERR2017740.16	SEQ ID NO: 39746	to SEQ ID NO: 39789		
ERR2017678.1	SEQ ID NO: 35775	to SEQ ID NO: 35962	ERR2017740.2	SEQ ID NO: 39790	to SEQ ID NO: 39821		
ERR2017680.1	SEQ ID NO: 35963	to SEQ ID NO: 36028	ERR2017741.15	SEQ ID NO: 39822	to SEQ ID NO: 39975		
ERR2017680.11	SEQ ID NO: 36029	to SEQ ID NO: 36047	ERR2017742.15	SEQ ID NO: 39976	to SEQ ID NO: 40096		
ERR2017680.3	SEQ ID NO: 36048	to SEQ ID NO: 36161	ERR2017742.16	SEQ ID NO: 40097	to SEQ ID NO: 40304		

FIG. 41 D

Organism	Sequence Range of Contigs for Organism			Sequence Range of Contigs for Organism		
ERR2017742.18	SEQ ID NO: 40958	to	SEQ ID NO: 41087	SEQ ID NO: 48471	to	SEQ ID NO: 48502
ERR2017744.12	SEQ ID NO: 41088	to	SEQ ID NO: 41559	SEQ ID NO: 48503	to	SEQ ID NO: 48557
ERR2017746.14	SEQ ID NO: 41560	to	SEQ ID NO: 41667	SEQ ID NO: 48558	to	SEQ ID NO: 48620
ERR2017747.7	SEQ ID NO: 41668	to	SEQ ID NO: 41833	SEQ ID NO: 48621	to	SEQ ID NO: 48662
ERR2017749.25	SEQ ID NO: 41834	to	SEQ ID NO: 42022	SEQ ID NO: 48663	to	SEQ ID NO: 48755
ERR2017750.12	SEQ ID NO: 42023	to	SEQ ID NO: 42109	SEQ ID NO: 48756	to	SEQ ID NO: 48925
ERR2017750.5	SEQ ID NO: 42110	to	SEQ ID NO: 42418	SEQ ID NO: 48926	to	SEQ ID NO: 48976
ERR2017756.6	SEQ ID NO: 42419	to	SEQ ID NO: 42729	SEQ ID NO: 48977	to	SEQ ID NO: 49172
ERR2017759.6	SEQ ID NO: 42730	to	SEQ ID NO: 42966	SEQ ID NO: 49173	to	SEQ ID NO: 49201
ERR2017771.1	SEQ ID NO: 42967	to	SEQ ID NO: 43231	SEQ ID NO: 49202	to	SEQ ID NO: 49365
ERR2017774.3	SEQ ID NO: 43232	to	SEQ ID NO: 43678	SEQ ID NO: 49366	to	SEQ ID NO: 49493
ERR2017779.7	SEQ ID NO: 43679	to	SEQ ID NO: 44031	SEQ ID NO: 49494	to	SEQ ID NO: 49752
ERR2017781.12	SEQ ID NO: 44032	to	SEQ ID NO: 44414	SEQ ID NO: 49753	to	SEQ ID NO: 49930
ERR2017814.13	SEQ ID NO: 44415	to	SEQ ID NO: 44635	SEQ ID NO: 49931	to	SEQ ID NO: 50010
ERR2726406.14	SEQ ID NO: 44636	to	SEQ ID NO: 44847	SEQ ID NO: 50011	to	SEQ ID NO: 50077
ERR2726406.16	SEQ ID NO: 44848	to	SEQ ID NO: 45025	SEQ ID NO: 50078	to	SEQ ID NO: 50224
ERR2726408.23	SEQ ID NO: 45026	to	SEQ ID NO: 45161	SEQ ID NO: 50225	to	SEQ ID NO: 50307
ERR2726410.2	SEQ ID NO: 45162	to	SEQ ID NO: 45254	SEQ ID NO: 50308	to	SEQ ID NO: 50391
ERR2726411.1	SEQ ID NO: 45255	to	SEQ ID NO: 45407	SEQ ID NO: 50392	to	SEQ ID NO: 50479
ERR2726419.10	SEQ ID NO: 45408	to	SEQ ID NO: 45569	SEQ ID NO: 50480	to	SEQ ID NO: 50614
ERR2726420.13	SEQ ID NO: 45570	to	SEQ ID NO: 45659	SEQ ID NO: 50615	to	SEQ ID NO: 50669
ERR2726422.1	SEQ ID NO: 45660	to	SEQ ID NO: 45795	SEQ ID NO: 50670	to	SEQ ID NO: 50736
ERR2726422.5	SEQ ID NO: 45796	to	SEQ ID NO: 45842	SEQ ID NO: 50737	to	SEQ ID NO: 50887
ERR2726423.2	SEQ ID NO: 45843	to	SEQ ID NO: 45900	SEQ ID NO: 50888	to	SEQ ID NO: 50994
ERR2726427.30	SEQ ID NO: 45901	to	SEQ ID NO: 45977	SEQ ID NO: 50995	to	SEQ ID NO: 51066
ERR2726431.13	SEQ ID NO: 45978	to	SEQ ID NO: 46121	SEQ ID NO: 51067	to	SEQ ID NO: 51152
ERR2726431.2	SEQ ID NO: 46122	to	SEQ ID NO: 46288	SEQ ID NO: 51153	to	SEQ ID NO: 51291
ERR2726433.15	SEQ ID NO: 46289	to	SEQ ID NO: 46386	SEQ ID NO: 51292	to	SEQ ID NO: 51347
ERR2726433.6	SEQ ID NO: 46387	to	SEQ ID NO: 46492	SEQ ID NO: 51348	to	SEQ ID NO: 51623
ERR2726447.12	SEQ ID NO: 46387	to	SEQ ID NO: 46492	SEQ ID NO: 51624	to	SEQ ID NO: 51769
ERR2726447.19	SEQ ID NO: 46493	to	SEQ ID NO: 46769	SEQ ID NO: 51770	to	SEQ ID NO: 51858
ERR2726447.2	SEQ ID NO: 46770	to	SEQ ID NO: 47156	SEQ ID NO: 51859	to	SEQ ID NO: 51890
ERR2726450.11	SEQ ID NO: 47157	to	SEQ ID NO: 47319	SEQ ID NO: 51891	to	SEQ ID NO: 51966
ERR2726450.6	SEQ ID NO: 47320	to	SEQ ID NO: 47509	SEQ ID NO: 51967	to	SEQ ID NO: 52075
ERR2726451.2	SEQ ID NO: 47510	to	SEQ ID NO: 47568	SEQ ID NO: 52076	to	SEQ ID NO: 52365
ERR2726452.15	SEQ ID NO: 47569	to	SEQ ID NO: 47666	SEQ ID NO: 52366	to	SEQ ID NO: 52547
ERR2726452.5	SEQ ID NO: 47667	to	SEQ ID NO: 47709	SEQ ID NO: 52548	to	SEQ ID NO: 52626
ERR2726452.9	SEQ ID NO: 47710	to	SEQ ID NO: 47755	SEQ ID NO: 52627	to	SEQ ID NO: 52769
ERR2726453.2	SEQ ID NO: 47756	to	SEQ ID NO: 47873	SEQ ID NO: 52770	to	SEQ ID NO: 52810
ERR2726458.13	SEQ ID NO: 47874	to	SEQ ID NO: 48057	SEQ ID NO: 52811	to	SEQ ID NO: 52952
ERR2726461.15	SEQ ID NO: 48058	to	SEQ ID NO: 48174	SEQ ID NO: 52953	to	SEQ ID NO: 53245
ERR2726474.10	SEQ ID NO: 48175	to	SEQ ID NO: 48224	SEQ ID NO: 53246	to	SEQ ID NO: 53408
ERR2726476.5	SEQ ID NO: 48225	to	SEQ ID NO: 48355	SEQ ID NO: 53409	to	SEQ ID NO: 53480
ERR2726486.19	SEQ ID NO: 48356	to	SEQ ID NO: 48383	SEQ ID NO: 53481	to	SEQ ID NO: 53536
ERR2726493.4	SEQ ID NO: 48384	to	SEQ ID NO: 48470	SEQ ID NO: 53537	to	SEQ ID NO: 53573

FIG. 41 E

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>			<u>Organism</u>			<u>Sequence Range of Contigs for Organism</u>		
ERR2855837.21	SEQ	ID NO: 53574	to SEQ	ID NO: 53616	ERR2855947.28	SEQ	ID NO: 58878	to SEQ	ID NO: 58961
ERR2855838.18	SEQ	ID NO: 53617	to SEQ	ID NO: 53698	ERR2855947.3	SEQ	ID NO: 58962	to SEQ	ID NO: 59090
ERR2855839.16	SEQ	ID NO: 53699	to SEQ	ID NO: 53801	ERR2855952.36	SEQ	ID NO: 59091	to SEQ	ID NO: 59350
ERR2855840.6	SEQ	ID NO: 53802	to SEQ	ID NO: 53944	ERR2855954.6	SEQ	ID NO: 59351	to SEQ	ID NO: 59460
ERR2855840.7	SEQ	ID NO: 53945	to SEQ	ID NO: 53999	ERR2855955.14	SEQ	ID NO: 59461	to SEQ	ID NO: 59508
ERR2855842.5	SEQ	ID NO: 54000	to SEQ	ID NO: 54079	ERR688506.3	SEQ	ID NO: 59509	to SEQ	ID NO: 59611
ERR2855842.9	SEQ	ID NO: 54080	to SEQ	ID NO: 54145	ERR688507.14	SEQ	ID NO: 59612	to SEQ	ID NO: 59674
ERR2855844.18	SEQ	ID NO: 54146	to SEQ	ID NO: 54242	ERR688510.6	SEQ	ID NO: 59675	to SEQ	ID NO: 59752
ERR2855850.4	SEQ	ID NO: 54243	to SEQ	ID NO: 54591	ERR688511.7	SEQ	ID NO: 59753	to SEQ	ID NO: 59795
ERR2855851.1	SEQ	ID NO: 54592	to SEQ	ID NO: 54635	ERR688513.3	SEQ	ID NO: 59796	to SEQ	ID NO: 59842
ERR2855851.9	SEQ	ID NO: 54636	to SEQ	ID NO: 54755	ERR688515.5	SEQ	ID NO: 59843	to SEQ	ID NO: 59946
ERR2855852.15	SEQ	ID NO: 54756	to SEQ	ID NO: 54821	ERR688516.12	SEQ	ID NO: 59947	to SEQ	ID NO: 59997
ERR2855854.10	SEQ	ID NO: 54822	to SEQ	ID NO: 54864	ERR688517.10	SEQ	ID NO: 59998	to SEQ	ID NO: 60099
ERR2855855.2	SEQ	ID NO: 54865	to SEQ	ID NO: 54943	ERR688517.16	SEQ	ID NO: 60100	to SEQ	ID NO: 60195
ERR2855857.7	SEQ	ID NO: 54944	to SEQ	ID NO: 54974	ERR688518.3	SEQ	ID NO: 60196	to SEQ	ID NO: 60464
ERR2855863.17	SEQ	ID NO: 54975	to SEQ	ID NO: 55111	ERR688518.6	SEQ	ID NO: 60465	to SEQ	ID NO: 60572
ERR2855864.8	SEQ	ID NO: 55112	to SEQ	ID NO: 55295	ERR688520.2	SEQ	ID NO: 60573	to SEQ	ID NO: 60677
ERR2855869.1	SEQ	ID NO: 55296	to SEQ	ID NO: 55349	ERR688520.8	SEQ	ID NO: 60678	to SEQ	ID NO: 60802
ERR2855871.6	SEQ	ID NO: 55350	to SEQ	ID NO: 55689	ERR688521.12	SEQ	ID NO: 60803	to SEQ	ID NO: 60889
ERR2855875.1	SEQ	ID NO: 55690	to SEQ	ID NO: 55773	ERR688521.4	SEQ	ID NO: 60890	to SEQ	ID NO: 60988
ERR2855876.10	SEQ	ID NO: 55774	to SEQ	ID NO: 56016	ERR688522.2	SEQ	ID NO: 60989	to SEQ	ID NO: 61089
ERR2855878.5	SEQ	ID NO: 56017	to SEQ	ID NO: 56089	ERR688522.8	SEQ	ID NO: 61090	to SEQ	ID NO: 61139
ERR2855878.7	SEQ	ID NO: 56090	to SEQ	ID NO: 56157	ERR688522.9	SEQ	ID NO: 61140	to SEQ	ID NO: 61244
ERR2855880.6	SEQ	ID NO: 56158	to SEQ	ID NO: 56296	ERR688524.12	SEQ	ID NO: 61245	to SEQ	ID NO: 61373
ERR2855886.18	SEQ	ID NO: 56297	to SEQ	ID NO: 56520	ERR688524.6	SEQ	ID NO: 61374	to SEQ	ID NO: 61846
ERR2855890.15	SEQ	ID NO: 56521	to SEQ	ID NO: 56702	ERR688528.23	SEQ	ID NO: 61847	to SEQ	ID NO: 61939
ERR2855895.3	SEQ	ID NO: 56703	to SEQ	ID NO: 56889	ERR688529.17	SEQ	ID NO: 61940	to SEQ	ID NO: 62077
ERR2855908.3	SEQ	ID NO: 56890	to SEQ	ID NO: 57083	ERR688532.12	SEQ	ID NO: 62078	to SEQ	ID NO: 62147
ERR2855910.2	SEQ	ID NO: 57084	to SEQ	ID NO: 57140	ERR688532.15	SEQ	ID NO: 62148	to SEQ	ID NO: 62259
ERR2855915.10	SEQ	ID NO: 57141	to SEQ	ID NO: 57214	ERR688536.5	SEQ	ID NO: 62260	to SEQ	ID NO: 62354
ERR2855915.17	SEQ	ID NO: 57215	to SEQ	ID NO: 57377	ERR688536.9	SEQ	ID NO: 62355	to SEQ	ID NO: 62436
ERR2855918.6	SEQ	ID NO: 57378	to SEQ	ID NO: 57449	ERR688537.6	SEQ	ID NO: 62437	to SEQ	ID NO: 62499
ERR2855918.8	SEQ	ID NO: 57450	to SEQ	ID NO: 57526	ERR688537.8	SEQ	ID NO: 62500	to SEQ	ID NO: 62649
ERR2855919.23	SEQ	ID NO: 57527	to SEQ	ID NO: 57585	ERR688539.8	SEQ	ID NO: 62650	to SEQ	ID NO: 62842
ERR2855919.4	SEQ	ID NO: 57586	to SEQ	ID NO: 57731	ERR688541.6	SEQ	ID NO: 62843	to SEQ	ID NO: 62880
ERR2855923.15	SEQ	ID NO: 57732	to SEQ	ID NO: 58046	ERR688542.7	SEQ	ID NO: 62881	to SEQ	ID NO: 62944
ERR2855923.16	SEQ	ID NO: 58047	to SEQ	ID NO: 58140	ERR688543.7	SEQ	ID NO: 62945	to SEQ	ID NO: 63142
ERR2855927.27	SEQ	ID NO: 58141	to SEQ	ID NO: 58203	ERR688545.14	SEQ	ID NO: 63143	to SEQ	ID NO: 63251
ERR2855928.4	SEQ	ID NO: 58204	to SEQ	ID NO: 58272	ERR688551.1	SEQ	ID NO: 63252	to SEQ	ID NO: 63550
ERR2855933.19	SEQ	ID NO: 58273	to SEQ	ID NO: 58498	ERR688552.12	SEQ	ID NO: 63551	to SEQ	ID NO: 63587
ERR2855935.6	SEQ	ID NO: 58499	to SEQ	ID NO: 58537	ERR688553.11	SEQ	ID NO: 63588	to SEQ	ID NO: 63663
ERR2855935.9	SEQ	ID NO: 58538	to SEQ	ID NO: 58577	ERR688558.20	SEQ	ID NO: 63664	to SEQ	ID NO: 63739
ERR2855937.8	SEQ	ID NO: 58578	to SEQ	ID NO: 58656	ERR688558.3	SEQ	ID NO: 63740	to SEQ	ID NO: 63964
ERR2855940.1	SEQ	ID NO: 58657	to SEQ	ID NO: 58831	ERR688558.6	SEQ	ID NO: 63965	to SEQ	ID NO: 64301
ERR2855947.18	SEQ	ID NO: 58832	to SEQ	ID NO: 58877	ERR688559.18	SEQ	ID NO: 64302	to SEQ	ID NO: 64378

FIG. 41F

Organism	Sequence Range of Contigs for Organism				Organism	Sequence Range of Contigs for Organism					
ERR688560.6	SEQ	ID NO: 64379	to	SEQ	ID NO: 64517	ERR688643.1	SEQ	ID NO: 72608	to	SEQ	ID NO: 72788
ERR688561.4	SEQ	ID NO: 64518	to	SEQ	ID NO: 64574	ERR688644.6	SEQ	ID NO: 72789	to	SEQ	ID NO: 72918
ERR688561.5	SEQ	ID NO: 64575	to	SEQ	ID NO: 64815	ERR688645.2	SEQ	ID NO: 72919	to	SEQ	ID NO: 73029
ERR688562.1	SEQ	ID NO: 64816	to	SEQ	ID NO: 64895	ERR688645.5	SEQ	ID NO: 73030	to	SEQ	ID NO: 73179
ERR688562.8	SEQ	ID NO: 64896	to	SEQ	ID NO: 64968	ERR688645.6	SEQ	ID NO: 73180	to	SEQ	ID NO: 73264
ERR688563.10	SEQ	ID NO: 64969	to	SEQ	ID NO: 65076	ERR710424.17	SEQ	ID NO: 73265	to	SEQ	ID NO: 73566
ERR688563.9	SEQ	ID NO: 65077	to	SEQ	ID NO: 65230	ERR710424.19	SEQ	ID NO: 73567	to	SEQ	ID NO: 73713
ERR688564.13	SEQ	ID NO: 65231	to	SEQ	ID NO: 65442	ERR710425.4	SEQ	ID NO: 73714	to	SEQ	ID NO: 73770
ERR688564.5	SEQ	ID NO: 65443	to	SEQ	ID NO: 65733	ERR710426.11	SEQ	ID NO: 73771	to	SEQ	ID NO: 73924
ERR688567.8	SEQ	ID NO: 65734	to	SEQ	ID NO: 65884	ERR710428.15	SEQ	ID NO: 73925	to	SEQ	ID NO: 74157
ERR688568.3	SEQ	ID NO: 65885	to	SEQ	ID NO: 66304	ERR710430.5	SEQ	ID NO: 74158	to	SEQ	ID NO: 74325
ERR688570.6	SEQ	ID NO: 66305	to	SEQ	ID NO: 66530	HD-20.2	SEQ	ID NO: 74326	to	SEQ	ID NO: 74391
ERR688577.19	SEQ	ID NO: 66531	to	SEQ	ID NO: 66643	HD-26.8	SEQ	ID NO: 74392	to	SEQ	ID NO: 74517
ERR688583.11	SEQ	ID NO: 66644	to	SEQ	ID NO: 67001	HD-42.3	SEQ	ID NO: 74518	to	SEQ	ID NO: 74699
ERR688583.3	SEQ	ID NO: 67002	to	SEQ	ID NO: 67231	HD-63.13	SEQ	ID NO: 74700	to	SEQ	ID NO: 74793
ERR688583.5	SEQ	ID NO: 67232	to	SEQ	ID NO: 67337	HD-66.2	SEQ	ID NO: 74794	to	SEQ	ID NO: 74869
ERR688584.2	SEQ	ID NO: 67338	to	SEQ	ID NO: 67444	HD-68.8	SEQ	ID NO: 74870	to	SEQ	ID NO: 75329
ERR688588.12	SEQ	ID NO: 67445	to	SEQ	ID NO: 67653	HD-75.2	SEQ	ID NO: 75330	to	SEQ	ID NO: 75455
ERR688589.10	SEQ	ID NO: 67654	to	SEQ	ID NO: 67811	HD-75.3	SEQ	ID NO: 75456	to	SEQ	ID NO: 75665
ERR688591.9	SEQ	ID NO: 67812	to	SEQ	ID NO: 68007	HD-76.2	SEQ	ID NO: 75666	to	SEQ	ID NO: 75869
ERR688595.4	SEQ	ID NO: 68008	to	SEQ	ID NO: 68232	HD-77.2	SEQ	ID NO: 75870	to	SEQ	ID NO: 75998
ERR688598.5	SEQ	ID NO: 68233	to	SEQ	ID NO: 68283	HD-8.10	SEQ	ID NO: 75999	to	SEQ	ID NO: 76161
ERR688598.6	SEQ	ID NO: 68284	to	SEQ	ID NO: 68640	HD-9.10	SEQ	ID NO: 76162	to	SEQ	ID NO: 76272
ERR688604.10	SEQ	ID NO: 68641	to	SEQ	ID NO: 68808	HD-9.8	SEQ	ID NO: 76273	to	SEQ	ID NO: 76331
ERR688608.9	SEQ	ID NO: 68809	to	SEQ	ID NO: 69242	HSM5MD48.1	SEQ	ID NO: 76332	to	SEQ	ID NO: 76434
ERR688610.11	SEQ	ID NO: 69243	to	SEQ	ID NO: 69307	HSM7CYXE.1	SEQ	ID NO: 76435	to	SEQ	ID NO: 76513
ERR688610.21	SEQ	ID NO: 69308	to	SEQ	ID NO: 69567	HSM33NW.4	SEQ	ID NO: 76514	to	SEQ	ID NO: 76600
ERR688610.9	SEQ	ID NO: 69568	to	SEQ	ID NO: 69669	LD-17.6	SEQ	ID NO: 76601	to	SEQ	ID NO: 76731
ERR688611.17	SEQ	ID NO: 69670	to	SEQ	ID NO: 69905	LD-20.2	SEQ	ID NO: 76732	to	SEQ	ID NO: 76902
ERR688612.11	SEQ	ID NO: 69906	to	SEQ	ID NO: 69932	LD-26.6	SEQ	ID NO: 76903	to	SEQ	ID NO: 77070
ERR688612.12	SEQ	ID NO: 69933	to	SEQ	ID NO: 70106	LD-33.1	SEQ	ID NO: 77071	to	SEQ	ID NO: 77177
ERR688615.3	SEQ	ID NO: 70107	to	SEQ	ID NO: 70294	LD-33.7	SEQ	ID NO: 77178	to	SEQ	ID NO: 77295
ERR688615.8	SEQ	ID NO: 70295	to	SEQ	ID NO: 70444	LD-35.30	SEQ	ID NO: 77296	to	SEQ	ID NO: 77402
ERR688617.7	SEQ	ID NO: 70445	to	SEQ	ID NO: 70587	LD-39.9	SEQ	ID NO: 77403	to	SEQ	ID NO: 77635
ERR688623.13	SEQ	ID NO: 70588	to	SEQ	ID NO: 70727	LD-4.3	SEQ	ID NO: 77636	to	SEQ	ID NO: 77695
ERR688624.17	SEQ	ID NO: 70728	to	SEQ	ID NO: 70874	LD-43.7	SEQ	ID NO: 77696	to	SEQ	ID NO: 77841
ERR688624.20	SEQ	ID NO: 70875	to	SEQ	ID NO: 70961	LD-45.12	SEQ	ID NO: 77842	to	SEQ	ID NO: 77964
ERR688624.9	SEQ	ID NO: 70962	to	SEQ	ID NO: 71186	LD-53.3	SEQ	ID NO: 77965	to	SEQ	ID NO: 78058
ERR688627.12	SEQ	ID NO: 71186	to	SEQ	ID NO: 71490	LD-7.2	SEQ	ID NO: 78059	to	SEQ	ID NO: 78180
ERR688629.1	SEQ	ID NO: 71491	to	SEQ	ID NO: 71531	LD-7.5	SEQ	ID NO: 78181	to	SEQ	ID NO: 78364
ERR688629.15	SEQ	ID NO: 71532	to	SEQ	ID NO: 71909	LD-75.3	SEQ	ID NO: 78365	to	SEQ	ID NO: 78841
ERR688631.6	SEQ	ID NO: 71910	to	SEQ	ID NO: 72035	LD-78.7	SEQ	ID NO: 78842	to	SEQ	ID NO: 78904
ERR688631.8	SEQ	ID NO: 72036	to	SEQ	ID NO: 72139	LD-85.10	SEQ	ID NO: 78905	to	SEQ	ID NO: 79147
ERR688640.13	SEQ	ID NO: 72140	to	SEQ	ID NO: 72290	LD-91.3	SEQ	ID NO: 79148	to	SEQ	ID NO: 79184
ERR688642.6	SEQ	ID NO: 72291	to	SEQ	ID NO: 72607	LV22.2	SEQ	ID NO: 79185	to	SEQ	ID NO: 79482

FIG. 41G

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>	<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>
MSM79H7C.5	SEQ ID NO: 79483 to SEQ ID NO: 79584	SRR413641.2	SEQ ID NO: 85183 to SEQ ID NO: 85229
MSM79H8B.5	SEQ ID NO: 79585 to SEQ ID NO: 79631	SRR413642.4	SEQ ID NO: 85230 to SEQ ID NO: 85334
MSM79HBZ.2	SEQ ID NO: 79632 to SEQ ID NO: 79681	SRR413642.5	SEQ ID NO: 85335 to SEQ ID NO: 85490
PSM6XBSE.2	SEQ ID NO: 79682 to SEQ ID NO: 79808	SRR413645.3	SEQ ID NO: 85491 to SEQ ID NO: 85890
PSM7J184.3	SEQ ID NO: 79809 to SEQ ID NO: 79910	SRR413648.3	SEQ ID NO: 85891 to SEQ ID NO: 86042
PSMA2640.3	SEQ ID NO: 79911 to SEQ ID NO: 79965	SRR413648.4	SEQ ID NO: 86043 to SEQ ID NO: 86172
SRR341654.1	SEQ ID NO: 79966 to SEQ ID NO: 80124	SRR413648.8	SEQ ID NO: 86173 to SEQ ID NO: 86225
SRR341655.6	SEQ ID NO: 80125 to SEQ ID NO: 80262	SRR413655.2	SEQ ID NO: 86226 to SEQ ID NO: 86399
SRR341660.6	SEQ ID NO: 80263 to SEQ ID NO: 80379	SRR413655.3	SEQ ID NO: 86400 to SEQ ID NO: 86622
SRR341670.9	SEQ ID NO: 80380 to SEQ ID NO: 80525	SRR413676.6	SEQ ID NO: 86623 to SEQ ID NO: 86713
SRR341678.9	SEQ ID NO: 80526 to SEQ ID NO: 80630	SRR413677.1	SEQ ID NO: 86714 to SEQ ID NO: 86837
SRR341680.2	SEQ ID NO: 80631 to SEQ ID NO: 80809	SRR413680.6	SEQ ID NO: 86838 to SEQ ID NO: 86963
SRR341680.4	SEQ ID NO: 80810 to SEQ ID NO: 80956	SRR413691.1	SEQ ID NO: 86964 to SEQ ID NO: 87110
SRR341688.2	SEQ ID NO: 80957 to SEQ ID NO: 81155	SRR413694.1	SEQ ID NO: 87111 to SEQ ID NO: 87181
SRR341692.9	SEQ ID NO: 81156 to SEQ ID NO: 81339	SRR413694.4	SEQ ID NO: 87182 to SEQ ID NO: 87259
SRR341697.1	SEQ ID NO: 81340 to SEQ ID NO: 81597	SRR413697.4	SEQ ID NO: 87260 to SEQ ID NO: 87306
SRR341704.4	SEQ ID NO: 81598 to SEQ ID NO: 81709	SRR413700.9	SEQ ID NO: 87307 to SEQ ID NO: 87415
SRR341724.1	SEQ ID NO: 81710 to SEQ ID NO: 81915	SRR413706.5	SEQ ID NO: 87416 to SEQ ID NO: 87476
SRR341724.5	SEQ ID NO: 81916 to SEQ ID NO: 81955	SRR413713.1	SEQ ID NO: 87477 to SEQ ID NO: 87651
SRR341725.8	SEQ ID NO: 81956 to SEQ ID NO: 82173	SRR413728.1	SEQ ID NO: 87652 to SEQ ID NO: 87723
SRR413557.4	SEQ ID NO: 82173 to SEQ ID NO: 82492	SRR413729.3	SEQ ID NO: 87724 to SEQ ID NO: 87844
SRR413559.10	SEQ ID NO: 82493 to SEQ ID NO: 82646	SRR413736.4	SEQ ID NO: 87845 to SEQ ID NO: 88025
SRR413567.10	SEQ ID NO: 82647 to SEQ ID NO: 82734	SRR413739.2	SEQ ID NO: 88026 to SEQ ID NO: 88073
SRR413571.4	SEQ ID NO: 82735 to SEQ ID NO: 82767	SRR413744.9	SEQ ID NO: 88074 to SEQ ID NO: 88579
SRR413574.7	SEQ ID NO: 82768 to SEQ ID NO: 82877	SRR413752.14	SEQ ID NO: 88580 to SEQ ID NO: 88658
SRR413577.2	SEQ ID NO: 82836 to SEQ ID NO: 82877	SRR413752.5	SEQ ID NO: 88659 to SEQ ID NO: 88742
SRR413578.7	SEQ ID NO: 82878 to SEQ ID NO: 82933	SRR413753.17	SEQ ID NO: 88743 to SEQ ID NO: 88805
SRR413580.2	SEQ ID NO: 82934 to SEQ ID NO: 83116	SRR413753.22	SEQ ID NO: 88806 to SEQ ID NO: 88921
SRR413584.9	SEQ ID NO: 83117 to SEQ ID NO: 83230	SRR413755.1	SEQ ID NO: 88922 to SEQ ID NO: 89047
SRR413588.5	SEQ ID NO: 83231 to SEQ ID NO: 83396	SRR413757.11	SEQ ID NO: 89048 to SEQ ID NO: 89095
SRR413605.1	SEQ ID NO: 83397 to SEQ ID NO: 83432	SRR413760.13	SEQ ID NO: 89096 to SEQ ID NO: 89181
SRR413607.8	SEQ ID NO: 83433 to SEQ ID NO: 83717	SRR413761.12	SEQ ID NO: 89182 to SEQ ID NO: 89314
SRR413608.1	SEQ ID NO: 83718 to SEQ ID NO: 83781	SRR413762.13	SEQ ID NO: 89315 to SEQ ID NO: 89418
SRR413608.2	SEQ ID NO: 83782 to SEQ ID NO: 83916	SRR413762.3	SEQ ID NO: 89419 to SEQ ID NO: 89518
SRR413608.4	SEQ ID NO: 83917 to SEQ ID NO: 84029	SRR413762.6	SEQ ID NO: 89519 to SEQ ID NO: 89564
SRR413613.4	SEQ ID NO: 84030 to SEQ ID NO: 84093	SRR413767.9	SEQ ID NO: 89565 to SEQ ID NO: 89693
SRR413616.7	SEQ ID NO: 84094 to SEQ ID NO: 84240	SRR413769.2	SEQ ID NO: 89694 to SEQ ID NO: 89767
SRR413620.9	SEQ ID NO: 84241 to SEQ ID NO: 84294	SRR413771.1	SEQ ID NO: 89768 to SEQ ID NO: 89854
SRR413627.1	SEQ ID NO: 84295 to SEQ ID NO: 84487	SRR413772.4	SEQ ID NO: 89855 to SEQ ID NO: 89973
SRR413635.13	SEQ ID NO: 84488 to SEQ ID NO: 84645	SRR5279217.2	SEQ ID NO: 89974 to SEQ ID NO: 90044
SRR413635.2	SEQ ID NO: 84646 to SEQ ID NO: 84877	SRR5279217.8	SEQ ID NO: 90045 to SEQ ID NO: 90185
SRR413635.5	SEQ ID NO: 84878 to SEQ ID NO: 84997	SRR5279219.7	SEQ ID NO: 90186 to SEQ ID NO: 90360
SRR413635.8	SEQ ID NO: 84997 to SEQ ID NO: 85066	SRR5279222.3	SEQ ID NO: 90361 to SEQ ID NO: 90493
SRR413638.1	SEQ ID NO: 85067 to SEQ ID NO: 85182	SRR5279231.13	SEQ ID NO: 90494 to SEQ ID NO: 90865

FIG. 41H

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>				<u>Sequence Range of Contigs for Organism</u>				<u>Sequence Range of Contigs for Organism</u>			
SRR5279239.4	SEQ ID NO: 90866	to	SEQ ID NO: 90952	SRR6468627.5	SEQ ID NO: 96917	to	SEQ ID NO: 97027		SEQ ID NO: 96917	to	SEQ ID NO: 97027	
SRR5279239.6	SEQ ID NO: 90953	to	SEQ ID NO: 91113	SRR6468632.8	SEQ ID NO: 97028	to	SEQ ID NO: 97116		SEQ ID NO: 97028	to	SEQ ID NO: 97116	
SRR5279247.3	SEQ ID NO: 91114	to	SEQ ID NO: 91117	SRR6468633.4	SEQ ID NO: 97117	to	SEQ ID NO: 97191		SEQ ID NO: 97117	to	SEQ ID NO: 97191	
SRR5279252.7	SEQ ID NO: 91177	to	SEQ ID NO: 91238	SRR6468636.17	SEQ ID NO: 97192	to	SEQ ID NO: 97263		SEQ ID NO: 97192	to	SEQ ID NO: 97263	
SRR5279252.9	SEQ ID NO: 91239	to	SEQ ID NO: 91435	SRR6468637.9	SEQ ID NO: 97264	to	SEQ ID NO: 97408		SEQ ID NO: 97264	to	SEQ ID NO: 97408	
SRR5279253.7	SEQ ID NO: 91436	to	SEQ ID NO: 91577	SRR6468639.4	SEQ ID NO: 97409	to	SEQ ID NO: 97535		SEQ ID NO: 97409	to	SEQ ID NO: 97535	
SRR5279267.8	SEQ ID NO: 91578	to	SEQ ID NO: 91681	SRR6468643.2	SEQ ID NO: 97536	to	SEQ ID NO: 97598		SEQ ID NO: 97536	to	SEQ ID NO: 97598	
SRR5279269.27	SEQ ID NO: 91682	to	SEQ ID NO: 91968	SRR6468651.2	SEQ ID NO: 97599	to	SEQ ID NO: 97941		SEQ ID NO: 97599	to	SEQ ID NO: 97941	
SRR5279272.6	SEQ ID NO: 91969	to	SEQ ID NO: 92026	SRR6468652.2	SEQ ID NO: 97942	to	SEQ ID NO: 98014		SEQ ID NO: 97942	to	SEQ ID NO: 98014	
SRR5279275.2	SEQ ID NO: 92027	to	SEQ ID NO: 92250	SRR6468652.5	SEQ ID NO: 98015	to	SEQ ID NO: 98041		SEQ ID NO: 98015	to	SEQ ID NO: 98041	
SRR5279278.2	SEQ ID NO: 92251	to	SEQ ID NO: 92338	SRR6468653.9	SEQ ID NO: 98042	to	SEQ ID NO: 98142		SEQ ID NO: 98042	to	SEQ ID NO: 98142	
SRR5279281.3	SEQ ID NO: 92339	to	SEQ ID NO: 92697	SRR6468659.1	SEQ ID NO: 98143	to	SEQ ID NO: 98204		SEQ ID NO: 98143	to	SEQ ID NO: 98204	
SRR5279285.2	SEQ ID NO: 92698	to	SEQ ID NO: 92848	SRR6468662.8	SEQ ID NO: 98205	to	SEQ ID NO: 98298		SEQ ID NO: 98205	to	SEQ ID NO: 98298	
SRR5279303.4	SEQ ID NO: 92849	to	SEQ ID NO: 92889	SRR6468672.4	SEQ ID NO: 98299	to	SEQ ID NO: 98373		SEQ ID NO: 98299	to	SEQ ID NO: 98373	
SRR5279309.3	SEQ ID NO: 92890	to	SEQ ID NO: 93098	SRR6468684.3	SEQ ID NO: 98374	to	SEQ ID NO: 98697		SEQ ID NO: 98374	to	SEQ ID NO: 98697	
SRR6468507.8	SEQ ID NO: 93098	to	SEQ ID NO: 93361	SRR6468684.5	SEQ ID NO: 98698	to	SEQ ID NO: 98860		SEQ ID NO: 98698	to	SEQ ID NO: 98860	
SRR6468510.13	SEQ ID NO: 93362	to	SEQ ID NO: 93545	SRR6468685.16	SEQ ID NO: 98861	to	SEQ ID NO: 98948		SEQ ID NO: 98861	to	SEQ ID NO: 98948	
SRR6468510.4	SEQ ID NO: 93546	to	SEQ ID NO: 93649	SRR6468688.21	SEQ ID NO: 98949	to	SEQ ID NO: 99003		SEQ ID NO: 98949	to	SEQ ID NO: 99003	
SRR6468511.2	SEQ ID NO: 93650	to	SEQ ID NO: 93791	SRR6468691.15	SEQ ID NO: 99004	to	SEQ ID NO: 99077		SEQ ID NO: 99004	to	SEQ ID NO: 99077	
SRR6468511.8	SEQ ID NO: 93792	to	SEQ ID NO: 93915	SRR6468695.15	SEQ ID NO: 99078	to	SEQ ID NO: 99189		SEQ ID NO: 99078	to	SEQ ID NO: 99189	
SRR6468523.9	SEQ ID NO: 93916	to	SEQ ID NO: 94131	SRR6468699.2	SEQ ID NO: 99190	to	SEQ ID NO: 99288		SEQ ID NO: 99190	to	SEQ ID NO: 99288	
SRR6468525.9	SEQ ID NO: 94132	to	SEQ ID NO: 94191	SRR6468702.17	SEQ ID NO: 99289	to	SEQ ID NO: 99455		SEQ ID NO: 99289	to	SEQ ID NO: 99455	
SRR6468527.6	SEQ ID NO: 94192	to	SEQ ID NO: 94422	SRR6468705.4	SEQ ID NO: 99456	to	SEQ ID NO: 99534		SEQ ID NO: 99456	to	SEQ ID NO: 99534	
SRR6468533.1	SEQ ID NO: 94423	to	SEQ ID NO: 94559									
SRR6468543.7	SEQ ID NO: 94560	to	SEQ ID NO: 94678									
SRR6468553.1	SEQ ID NO: 94679	to	SEQ ID NO: 94758									
SRR6468554.4	SEQ ID NO: 94759	to	SEQ ID NO: 94868									
SRR6468561.5	SEQ ID NO: 94869	to	SEQ ID NO: 94918									
SRR6468572.1	SEQ ID NO: 94919	to	SEQ ID NO: 95015									
SRR6468582.22	SEQ ID NO: 95016	to	SEQ ID NO: 95203									
SRR6468585.11	SEQ ID NO: 95204	to	SEQ ID NO: 95506									
SRR6468588.10	SEQ ID NO: 95507	to	SEQ ID NO: 95562									
SRR6468590.5	SEQ ID NO: 95563	to	SEQ ID NO: 95609									
SRR6468593.7	SEQ ID NO: 95610	to	SEQ ID NO: 95700									
SRR6468594.7	SEQ ID NO: 95701	to	SEQ ID NO: 95739									
SRR6468602.3	SEQ ID NO: 95740	to	SEQ ID NO: 95931									
SRR6468608.15	SEQ ID NO: 95932	to	SEQ ID NO: 96139									
SRR6468611.11	SEQ ID NO: 96140	to	SEQ ID NO: 96220									
SRR6468612.10	SEQ ID NO: 96221	to	SEQ ID NO: 96454									
SRR6468618.13	SEQ ID NO: 96455	to	SEQ ID NO: 96521									
SRR6468618.9	SEQ ID NO: 96522	to	SEQ ID NO: 96545									
SRR6468619.11	SEQ ID NO: 96546	to	SEQ ID NO: 96614									
SRR6468619.5	SEQ ID NO: 96615	to	SEQ ID NO: 96753									
SRR6468619.8	SEQ ID NO: 96754	to	SEQ ID NO: 96916									

FIG. 411

Microorganism Id: 1U001.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia coli

Microorganism Id: 1U002.41 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Dorea;s_Dorea longicatena_B

Microorganism Id: 1U002.48 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_Ruminococcus_C callidus

Microorganism Id: 1U003.28 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Micrococcaceae;g_Rothia;s_Rothia mucilaginosa_B

Microorganism Id: 1U009.16 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: 1U014.38 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_K

Microorganism Id: 1U015.20 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Faecalicatena;s_Faecalicatena glycyrrhizinilyticum

Microorganism Id: 1U015.30 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Absiella;s_Absiella dolichum

Microorganism Id: 1U017.16 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_

Microorganism Id: 1U017.25 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Tyzzerella;s_Tyzzerella sp00209385

Microorganism Id: 1U021.14 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides_A;s_Bacteroides_A coprocola

Microorganism Id: 1U024.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_Eggerthella lenta

Microorganism Id: 1U027.33 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R sp00431535

Microorganism Id: 1U030.25 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: 1U030.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia coli_D

Microorganism Id: 1U035.49 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-103;s_

FIG. 42A

Microorganism Id: 1U035.55 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus macedonicus

Microorganism Id: 1U036.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides stercoris

Microorganism Id: 1U036.46 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-103;s_

Microorganism Id: 1U036.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Paraprevotella;s_Paraprevotella clara

Microorganism Id: 1U038.18 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA7096;s_

Microorganism Id: 1U038.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia coli_D

Microorganism Id: 1W001.34 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-177;s_CAG-177 sp003514385

Microorganism Id: 1W006.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Faecalicatena;s_Faecalicatena faecis

Microorganism Id: 1W011.28 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Oscillibacter;s_Oscillibacter sp001916835

Microorganism Id: 1W012.66 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp900317525

Microorganism Id: 1W023.15 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides_A;s_Bacteroides_A plebeius

Microorganism Id: 1W023.20 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Lawsonibacter;s_

Microorganism Id: 1W023.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Enterobacteriaceae;g_Klebsiella;s_Klebsiella pneumoniae

Microorganism Id: 1W026.10 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_

Microorganism Id: 1W030.27 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Oscillibacter;s_Oscillibacter sp001916835

Microorganism Id: 1W032.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Paraprevotella;s_

FIG. 42B

Microorganism Id: 1W032.19 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_G;s_Eubacterium_G_sp000434315

Microorganism Id: 1W033.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_

Microorganism Id: 1W033.9 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Flavonifractor;s_Flavonifractor_plautii

Microorganism Id: 1W036.28 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Tyzzerella;s_Tyzzerella_nexilis

Microorganism Id: 1W037.25 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium_prausnitzii_K

Microorganism Id: 1W037.27 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger_formicilis

Microorganism Id: 1W038.31 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Fusobacteriota;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Fusobacterium_A;s_

Microorganism Id: 1W042.8 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_M;s_Clostridium_M_sp001517625

Microorganism Id: 1W059.36 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium_prausnitzii_K

Microorganism Id: 1W062.68 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus_sp002300045

Microorganism Id: 1W065.34 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Oscillibacter;s_Oscillibacter_sp001916835

Microorganism Id: 1W070.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Peptostreptococcales;f_Peptostreptococcaceae;g_Intestinibacter;s_Intestinibacter_bartlettii

Microorganism Id: 1W071.19 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Coprococcus_A;s_Coprococcus_A_catus

Microorganism Id: 1W071.30 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_

Microorganism Id: 1W071.47 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium_prausnitzii_G

Microorganism Id: 1W072.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Absiella;s_

FIG. 42C

Microorganism Id: 1W075.14	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Odoribacter;s_		
Microorganism Id: 1W078.21	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Veillonellaceae;g_Veillonella;s_Veillonella parvula_A		
Microorganism Id: 1W079.48	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_UEA932;g_RC9;s_RC9 sp000431015		
Microorganism Id: 1W080.50	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_RF32;f_CAG-239;g_51-20;s_51-20 sp001917175		
Microorganism Id: 2U001.12	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A hydrogenotrophica		
Microorganism Id: 2U001.17	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_M;s_Clostridium_M sp001517625		
Microorganism Id: 2U001.37	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus_H;s_Lactobacillus_H oris		
Microorganism Id: 2U004.52	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-103;s_		
Microorganism Id: 2U008.16	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Fusobacteriota;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Fusobacterium_A;s_Fusobacterium_A ulcerans		
Microorganism Id: 2U033.18	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides_A;s_Bacteroides_A sp000434735		
Microorganism Id: 2U033.43	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_		
Microorganism Id: 2U037.14	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides clarus		
Microorganism Id: 2U037.18	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides_A;s_Bacteroides_A plebeius		
Microorganism Id: 2U038.12	Core: N	Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_Q;s_Clostridium_Q symbiosum		
Microorganism Id: 2U038.5	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia sp001304935		
Microorganism Id: 2W001.17	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp003476825		

FIG. 42D

Microorganism Id: 2W001.22 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_K

Microorganism Id: 2W001.42 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_RF32;f_CAG-239;g_CAG-495;s_CAG-495 sp000432275

Microorganism Id: 2W002.29 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium longum

Microorganism Id: 2W004.25 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraeae;g_Caecibacter;s_

Microorganism Id: 2W005.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides johnsonii

Microorganism Id: 2W007.23 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp000434635

Microorganism Id: 2W009.30 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: 2W011.21 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Enterococcaceae;g_Enterococcus_B;s_Enterococcus_B hirae

Microorganism Id: 2W023.30 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UBA1417;s_

Microorganism Id: 2W025.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Enterobacteriaceae;g_Enterobacter;s_Enterobacter kobei

Microorganism Id: 2W026.44 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus infantarius

Microorganism Id: 2W027.13 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella sp900066775

Microorganism Id: 2W027.27 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: 2W029.13 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_C

Microorganism Id: 2W034.32 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_

Microorganism Id: 2W037.10 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides sp000436495

FIG. 42E

Microorganism Id: 2W043.20 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella sp900066775

Microorganism Id: 2W043.36 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: 2W048.49 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Peptostreptococcales;f_Anaerovoracaceae;g_UBA1191;s_

Microorganism Id: 2W050.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides stercoris

Microorganism Id: 2W053.46 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Oxalobacter;s_Oxalobacter formigenes_A

Microorganism Id: 2W062.21 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Oscillibacter;s_Oscillibacter sp001916835

Microorganism Id: 2W064.32 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: 2W065.60 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus salivarius

Microorganism Id: 2W067.16 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Coproacteraceae;g_Coproacter;s_Coproacter fastidiosus

Microorganism Id: 2W067.69 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: 2W073.18 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Christensenellales;f_UBA1750;g_UBA7102;s_

Microorganism Id: 2W073.55 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Butyricicoccus_A;s_Butyricicoccus_A sp002395695

Microorganism Id: 2W074.14 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_K

Microorganism Id: 2W080.51 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_I

Microorganism Id: 2W080.58 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_RF32;f_CAG-239;g_CAG-495;s_

Microorganism Id: 3U005.26 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

FIG. 42F

Microorganism Id: 3U007.7	Core: N	Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_M;s_Clostridium_M bolteae		
Microorganism Id: 3U010.20	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_		
Microorganism Id: 3U020.14	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_I;s_Eubacterium_I ramulus		
Microorganism Id: 3U023.7	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_M;s_		
Microorganism Id: 3U024.38	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-180;s_CAG-180 sp000432435		
Microorganism Id: 3U033.37	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_		
Microorganism Id: 3U038.19	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp000433815		
Microorganism Id: 3U040.11	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides stercoris		
Microorganism Id: 3W002.16	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_Q;s_Clostridium_Q saccharolyticum		
Microorganism Id: 3W015.22	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_J		
Microorganism Id: 3W023.3	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides cellulosilyticus		
Microorganism Id: 3W028.33	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus pasteurianus		
Microorganism Id: 3W039.10	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides eggerthii		
Microorganism Id: 3W042.11	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides_A;s_Bacteroides_A plebeius_A		
Microorganism Id: 3W048.18	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_		
Microorganism Id: 3W049.14	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides stercoris		

FIG. 42G

Microorganism Id: 3W052.32 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_

Microorganism Id: 3W054.11 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia_flexneri

Microorganism Id: 3W055.19 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Barnesiellaceae;g_Barnesiella;s_Barnesiella_intestinihominis

Microorganism Id: 3W062.32 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_CAG-353;s_CAG-353_sp900066885

Microorganism Id: 3W067.18 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_CAG-279;s_

Microorganism Id: 3W072.38 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium_prausnitzii_G

Microorganism Id: 3W073.49 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Christensenellales;f_CAG-138;g_Phill1;s_Phill1_sp001940855

Microorganism Id: 3W074.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides_thetaiotaomicron

Microorganism Id: 3W079.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides_A;s_Bacteroides_A_coprophilus

Microorganism Id: 3W080.19 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Enterococcaceae;g_Enterococcus_D;s_Enterococcus_D_sp002850555

Microorganism Id: 3W080.64 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_RFN20;f_CAG-288;g_UBA7642;s_

Microorganism Id: CSM79HP4.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_UBA7173;s_UBA7173_sp001701135

Microorganism Id: ERR1018185.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_Phill1;s_Phill1_sp001940855

Microorganism Id: ERR1018186.12 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor_sp900066365

Microorganism Id: ERR1018187.16 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella_sp003447235

Microorganism Id: ERR1018187.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Dorea_A;s_Dorea_A_longicatena

FIG. 42H

Microorganism Id: ERR1018188.11	Core: N	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii			
Microorganism Id: ERR1018189.10	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp900546075			
Microorganism Id: ERR1018191.1	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Monoglobales;f_Monoglobaceae;g_Monoglobus;s_Monoglobus pectinilyticus			
Microorganism Id: ERR1018192.1	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraeae;g_Megasphaera;s_Megasphaera sp000417505			
Microorganism Id: ERR1018192.4	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp900066145			
Microorganism Id: ERR1018192.8	Core: N	Guild Assignment: Inconsistent	
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis			
Microorganism Id: ERR1018196.11	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister succinatiphilus			
Microorganism Id: ERR1018197.5	Core: Y	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS263;s_UMGS263 sp900540535			
Microorganism Id: ERR1018197.9	Core: Y	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Clostridium_A;s_Clostridium_A leptum			
Microorganism Id: ERR1018198.10	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_Anaerotignum;s_Anaerotignum sp001304995			
Microorganism Id: ERR1018198.9	Core: N	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia hominis			
Microorganism Id: ERR1018200.11	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyrificiproducens			
Microorganism Id: ERR1018200.15	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS1071;s_UMGS1071 sp900542375			
Microorganism Id: ERR1018200.4	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella tayi			
Microorganism Id: ERR1018204.1	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster clostridioformis			
Microorganism Id: ERR1018206.8	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis			

FIG. 42I

Microorganism Id: ERR1018210.9	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;g_Bifidobacterium pseudocatenulatum		
Microorganism Id: ERR1018212.11	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-74;g_Firm-11;s_Firm-11 sp900540045		
Microorganism Id: ERR1018213.10	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;g_Streptococcus salivarius		
Microorganism Id: ERR1018213.6	Core: N	Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_I;s_Eubacterium_I ramulus_A		
Microorganism Id: ERR1018213.7	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_C		
Microorganism Id: ERR1018217.15	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_CAG-274;g_CAG-274 sp900545305		
Microorganism Id: ERR1018218.4	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella hominis		
Microorganism Id: ERR1018219.12	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R sp000434995		
Microorganism Id: ERR1018219.9	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Desulfobacterota;c_Desulfobacteriales;o_Desulfobacteriales;f_Desulfobacteriaceae;g_Bilophila;s_Bilophila wadsworthia		
Microorganism Id: ERR1018223.9	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_SFEL01;s_SFEL01 sp004557245		
Microorganism Id: ERR1018226.10	Core: N	Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter torques		
Microorganism Id: ERR1018229.14	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraceae;g_Caecibacter;s_Caecibacter hominis		
Microorganism Id: ERR1018230.10	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis		
Microorganism Id: ERR1018232.13	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella copri		
Microorganism Id: ERR1018232.6	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Desulfobacterota;c_Desulfobacteriales;o_Desulfobacteriales;f_Desulfobacteriaceae;g_Desulfobacterium sp900556755		
Microorganism Id: ERR1018233.3	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Collinsella;s_Collinsella sp003436275		

FIG. 42J

Microorganism Id: ERR1018237.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_G;s_Eubacterium_G ventriosum

Microorganism Id: ERR1018237.9 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR1018238.17 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes hadrus

Microorganism Id: ERR1018239.3 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-74;g_Firm-11;s_Firm-11 sp900540045

Microorganism Id: ERR1018239.7 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003480185

Microorganism Id: ERR1018241.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp900542495

Microorganism Id: ERR1018244.15 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-103;s_CAG-103 sp900543625

Microorganism Id: ERR1018244.21 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Bariatricus;s_Bariatricus comes

Microorganism Id: ERR1018246.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E sp003526955

Microorganism Id: ERR1018249.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_CAG-279;s_CAG-279 sp000437795

Microorganism Id: ERR1018250.9 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster sp900541315

Microorganism Id: ERR1018252.14 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-180;s_CAG-180 sp000432435

Microorganism Id: ERR1018258.16 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

Microorganism Id: ERR1018258.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides distasonis

Microorganism Id: ERR1018262.5 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR1018263.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900539695

FIG. 42K

Microorganism Id: ERR1018263.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes hadrus

Microorganism Id: ERR1018264.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

Microorganism Id: ERR1018267.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Copro bacteraceae;g_Copro bacter;s_Copro bacter fastidiosus

Microorganism Id: ERR1018275.8 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-103;s_CAG-103 sp900543625

Microorganism Id: ERR1018277.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Allisonella;s_Allisonella histaminiformans

Microorganism Id: ERR1018278.5 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister sp900541605

Microorganism Id: ERR1018279.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003480185

Microorganism Id: ERR1018280.11 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E sp003438075

Microorganism Id: ERR1018280.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Flavonifractor;s_Flavonifractor plautii

Microorganism Id: ERR1018282.12 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia hominis

Microorganism Id: ERR1018282.14 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: ERR1018283.10 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides fragilis_A

Microorganism Id: ERR1018283.14 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus paragasseri

Microorganism Id: ERR1018284.8 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor sp900066565

Microorganism Id: ERR1018287.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR1018290.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_TF01-11;s_TF01-11 sp003524945

FIG. 42L

Microorganism Id: ERR1018291.11 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp900317525

Microorganism Id: ERR1018292.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides intestinalis

Microorganism Id: ERR1018292.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium sp900539945

Microorganism Id: ERR1018293.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides gordonii

Microorganism Id: ERR1018298.1 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Faecalitalea;s_Faecalitalea cylindroides

Microorganism Id: ERR1018301.12 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Butyricimonas;s_Butyricimonas virosa

Microorganism Id: ERR1018302.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor sp900066565

Microorganism Id: ERR1018305.11 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor sp900066565

Microorganism Id: ERR1018308.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Agathobacter;s_Agathobacter sp900548765

Microorganism Id: ERR1018309.23 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Monoglobales_A;f_UBA1381;g_CAG-41;s_CAG-41 sp900066215

Microorganism Id: ERR1018309.8 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp900546915

Microorganism Id: ERR2017412.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp900543975

Microorganism Id: ERR2017416.7 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola plebeius_A

Microorganism Id: ERR2017428.1 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A faecis

Microorganism Id: ERR2017429.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola coprocola

Microorganism Id: ERR2017430.1 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA3402;s_UBA3402 sp003478355

FIG. 42M

Microorganism Id: ERR2017433.5 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira sp000437735

Microorganism Id: ERR2017440.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;g_Prevotella stercorea

Microorganism Id: ERR2017443.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Phascolartobacterium;s_Phascolartobacterium faecium

Microorganism Id: ERR2017460.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp900543585

Microorganism Id: ERR2017469.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerobutyricum;s_Anaerobutyricum soehngenii

Microorganism Id: ERR2017471.8 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyrificiproducens

Microorganism Id: ERR2017472.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp900542495

Microorganism Id: ERR2017473.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Fusobacteriota;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Fusobacterium_A;s_Fusobacterium_A mortiferum

Microorganism Id: ERR2017495.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_D;s_Ruminococcus_D sp000434695

Microorganism Id: ERR2017500.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola massiliensis

Microorganism Id: ERR2017517.1 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_RUG115;s_RUG115 sp900066395

Microorganism Id: ERR2017518.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides distasonis

Microorganism Id: ERR2017522.17 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Longicatena;s_Longicatena caecimuris

Microorganism Id: ERR2017524.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp002265625

Microorganism Id: ERR2017529.10 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides fragilis_A

Microorganism Id: ERR2017529.14 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp002300055

FIG. 42N

Microorganism Id: ERR2017538.19 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger sp900540595

Microorganism Id: ERR2017539.14 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C sp000433635

Microorganism Id: ERR2017540.1 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes_A;s_Alistipes_A indistinctus

Microorganism Id: ERR2017541.4 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-95;s_CAG-95 sp900066375

Microorganism Id: ERR2017543.5 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Butyricimonas;s_Butyricimonas virosa

Microorganism Id: ERR2017548.1 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Flavonifractor;s_Flavonifractor plautii

Microorganism Id: ERR2017548.14 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Parasutterella;s_Parasutterella
excrementihominis

Microorganism Id: ERR2017549.11 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyriciproducens

Microorganism Id: ERR2017549.13 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster sp000431375

Microorganism Id: ERR2017552.10 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp000434975

Microorganism Id: ERR2017552.8 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: ERR2017555.15 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium sp900540455

Microorganism Id: ERR2017555.18 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_Q;s_Clostridium_Q sp000435655

Microorganism Id: ERR2017555.23 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruthenibacterium;s_Ruthenibacterium lactatiformans

Microorganism Id: ERR2017563.14 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_D;s_Ruminococcus_D bicirculans

Microorganism Id: ERR2017568.21 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp000431975

FIG. 420

Microorganism Id: ERR2017568.4	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-103;s_CAG-103		sp900543625
Microorganism Id: ERR2017569.2	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D		
Microorganism Id: ERR2017569.9	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Phascocarctobacterium;s_Phascocarctobacterium sp900545535		
Microorganism Id: ERR2017570.3	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia coccoides		
Microorganism Id: ERR2017573.1	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Paraprevotella;s_Paraprevotella clara		
Microorganism Id: ERR2017573.11	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella pectinovora		
Microorganism Id: ERR2017574.11	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_CAG-279;s_CAG-279		sp000437795
Microorganism Id: ERR2017577.6	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelatoclostridiaceae;g_Coprobacillus;s_Coprobacillus cateniformis		
Microorganism Id: ERR2017581.15	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4		sp000765235
Microorganism Id: ERR2017584.10	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4		sp003522105
Microorganism Id: ERR2017584.6	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerobutyricum;s_Anaerobutyricum hallii		
Microorganism Id: ERR2017586.15	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia coli_D		
Microorganism Id: ERR2017586.17	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes hadrus_B		
Microorganism Id: ERR2017586.7	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelatoclostridiaceae;g_Longibaculum;s_Longibaculum muris		
Microorganism Id: ERR2017589.12	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans		
Microorganism Id: ERR2017591.13	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola sp900542985		

FIG. 42P

Microorganism Id: ERR2017595.12 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides ovatus

Microorganism Id: ERR2017595.16 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyriciproducens

Microorganism Id: ERR2017595.7 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA9502;s_UBA9502 sp900538475

Microorganism Id: ERR2017596.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium longum

Microorganism Id: ERR2017596.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans

Microorganism Id: ERR2017600.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp900552665

Microorganism Id: ERR2017601.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Limosilactobacillus;s_Limosilactobacillus fermentum

Microorganism Id: ERR2017605.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-74;g_Firm-11;s_Firm-11 sp900540045

Microorganism Id: ERR2017606.10 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A caecimuris

Microorganism Id: ERR2017608.6 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_UBA5446;s_UBA5446 sp900546485

Microorganism Id: ERR2017609.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003480185

Microorganism Id: ERR2017610.5 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Klebsiella;s_Klebsiella aerogenes

Microorganism Id: ERR2017611.8 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-217;s_CAG-217 sp000436335

Microorganism Id: ERR2017615.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Anaerotruncus;s_Anaerotruncus coliominis

Microorganism Id: ERR2017617.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Veillonellaceae;g_Veillonella;s_Veillonella parvula_A

Microorganism Id: ERR2017618.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Klebsiella;s_Klebsiella variicola

FIG. 42Q

Microorganism Id: ERR2017618.4 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: ERR2017620.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans

Microorganism Id: ERR2017622.3 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Coproccoccus;s_Coproccoccus sp900066115

Microorganism Id: ERR2017625.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-217;s_CAG-217 sp000436335

Microorganism Id: ERR2017628.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-882;s_CAG-882 sp003486385

Microorganism Id: ERR2017630.18 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_TF01-11;s_TF01-11 sp003149875

Microorganism Id: ERR2017634.12 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UMGS1375;s_UMGS1375 sp900551235

Microorganism Id: ERR2017635.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_C

Microorganism Id: ERR2017636.10 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister invisus

Microorganism Id: ERR2017636.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003471165

Microorganism Id: ERR2017638.17 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E bromii_B

Microorganism Id: ERR2017639.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella sp900066775

Microorganism Id: ERR2017641.10 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_COE1;s_COE1 sp001916965

Microorganism Id: ERR2017641.12 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_TF01-11;s_TF01-11 sp001414325

Microorganism Id: ERR2017644.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides faecis

Microorganism Id: ERR2017647.13 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-217;s_CAG-217 sp000436335

FIG. 42R

Microorganism Id: ERR2017650.13 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-81;s_CAG-81 sp000435795

Microorganism Id: ERR2017651.11 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A faecis

Microorganism Id: ERR2017651.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_AP;s_Clostridium_AP sp000509125

Microorganism Id: ERR2017653.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Bariatricus;s_Bariatricus comes

Microorganism Id: ERR2017654.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR2017657.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A faecis

Microorganism Id: ERR2017658.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-81;s_CAG-81 sp900066535

Microorganism Id: ERR2017659.11 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp900540635

Microorganism Id: ERR2017659.20 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-180;s_CAG-180 sp004556705

Microorganism Id: ERR2017659.9 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_UMGS363;s_UMGS363 sp900768245

Microorganism Id: ERR2017660.10 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_G;s_Eubacterium_G sp000434315

Microorganism Id: ERR2017660.13 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp900546075

Microorganism Id: ERR2017661.9 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster sp900541315

Microorganism Id: ERR2017662.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UBA1417;s_UBA1417 sp003531055

Microorganism Id: ERR2017663.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp000434635

Microorganism Id: ERR2017669.11 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Clostridium_AQ;s_Clostridium_AQ sp003481775

FIG. 42S

Microorganism Id: ERR2017669.13 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_Eggerthella;s_Eggerthella lenta

Microorganism Id: ERR2017669.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS1071;sp900541905

Microorganism Id: ERR2017672.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Collinsella;sp002232035

Microorganism Id: ERR2017674.4 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR2017675.3 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Weissella;s_Weissella confusa

Microorganism Id: ERR2017676.2 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelatoclostridia;g_Erysipelatoclostridium;s_Erysipelatoclostridium ramosum

Microorganism Id: ERR2017678.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;sp900539695

Microorganism Id: ERR2017678.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraceae;g_Megasphaera;s_Megasphaera elsdenii

Microorganism Id: ERR2017680.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2017680.11 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes hadrus

Microorganism Id: ERR2017680.3 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA9502;sp003480315

Microorganism Id: ERR2017682.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS1474;sp900552115

Microorganism Id: ERR2017683.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Phascocartobacterium_A;s_Phascocartobacterium_A succinatutens

Microorganism Id: ERR2017685.7 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides merdae

Microorganism Id: ERR2017686.12 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerobutyricum;s_Anaerobutyricum soehngenii

Microorganism Id: ERR2017687.14 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

FIG. 42T

Microorganism Id: ERR2017692.23	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger		sp900540595
Microorganism Id: ERR2017693.21	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-180;s_CAG-180		sp000432435
Microorganism Id: ERR2017693.4	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotrignaceae;g_Anaerotrignum;s_Anaerotrignum		lactatifermentans
Microorganism Id: ERR2017696.1	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Clostridium;s_Clostridium		butyricum
Microorganism Id: ERR2017696.13	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA9502;s_UBA9502		sp900555625
Microorganism Id: ERR2017696.8	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium		prausnitzii_I
Microorganism Id: ERR2017699.1	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella		tayi
Microorganism Id: ERR2017700.13	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-81;s_CAG-81		sp900066535
Microorganism Id: ERR2017701.1	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola		coprophilus
Microorganism Id: ERR2017701.13	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_D;s_Ruminococcus_D		bicirculans
Microorganism Id: ERR2017702.9	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-81;s_CAG-81		sp900066785
Microorganism Id: ERR2017703.5	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor		sp900066365
Microorganism Id: ERR2017705.14	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella		copri_A
Microorganism Id: ERR2017706.14	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Lawsonibacter;s_Lawsonibacter		sp000177015
Microorganism Id: ERR2017708.11	Core: N	Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A		sp003480185
Microorganism Id: ERR2017708.5	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium		prausnitzii_G

FIG. 42U

Microorganism Id: ERR2017713.3	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4		sp000765235
Microorganism Id: ERR2017714.15	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Phascocarctobacterium;s_Phascocarctobacterium		faecium
Microorganism Id: ERR2017716.13	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_UMGS1670;s_UMGS1670		sp902406135
Microorganism Id: ERR2017716.3	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Negativibacillus;s_Negativibacillus		massiliensis
Microorganism Id: ERR2017716.6	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Flavonifractor;s_Flavonifractor		plautii
Microorganism Id: ERR2017717.14	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-127;s_CAG-127		sp900319515
Microorganism Id: ERR2017720.11	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes		finnegoldii
Microorganism Id: ERR2017722.10	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R		sp000436835
Microorganism Id: ERR2017727.9	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Sutterella;s_Sutterella		wadsworthensis
Microorganism Id: ERR2017729.15	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Agathobacter;s_Agathobacter		sp900543445
Microorganism Id: ERR2017729.20	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes		sp000434235
Microorganism Id: ERR2017729.22	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Butyrvibrio_A;s_Butyrvibrio_A		crossotus
Microorganism Id: ERR2017731.2	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_Anaerotignum;s_Anaerotignum		faecicola
Microorganism Id: ERR2017732.10	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_		
Microorganism Id: ERR2017732.5	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_AP;s_Clostridium_AP		scindens
Microorganism Id: ERR2017735.12	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium		prausnitzii_G

FIG. 42V

Microorganism Id: ERR2017736.11 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp900550165

Microorganism Id: ERR2017739.2 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Lawsonibacter;sp000177015

Microorganism Id: ERR2017740.16 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Monoglobales_A;f_UBA1381;g_CAG-41;sp900066215

Microorganism Id: ERR2017740.2 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp900541345

Microorganism Id: ERR2017741.15 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium dentium

Microorganism Id: ERR2017741.2 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides distasonis

Microorganism Id: ERR2017742.15 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

Microorganism Id: ERR2017742.16 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp900540375

Microorganism Id: ERR2017742.18 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus crispatus

Microorganism Id: ERR2017744.12 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_Ruminococcus_C callidus

Microorganism Id: ERR2017746.14 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Dorea_A;s_Dorea_A longicatena_B

Microorganism Id: ERR2017747.7 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2017749.25 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Agathobacter;s_Agathobacter faecis

Microorganism Id: ERR2017750.12 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Enterobacteriaceae;g_Klebsiella_A;s_Klebsiella_A michiganensis

Microorganism Id: ERR2017750.5 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Lawsonibacter;s_Lawsonibacter sp000177015

Microorganism Id: ERR2017756.6 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

FIG. 42W

Microorganism Id: ERR2017759.6 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Amedibacterium;s_Amedibacterium intestinale

Microorganism Id: ERR2017771.1 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Agathobacter;s_Agathobacter rectalis

Microorganism Id: ERR2017774.3 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003480185

Microorganism Id: ERR2017779.7 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003471165

Microorganism Id: ERR2017781.12 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Holdemanella;s_Holdemanella biformis

Microorganism Id: ERR2017814.13 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia stercoris

Microorganism Id: ERR2726406.14 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp000434635

Microorganism Id: ERR2726406.16 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia flexneri

Microorganism Id: ERR2726408.23 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans

Microorganism Id: ERR2726410.2 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: ERR2726411.1 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella nigrescens

Microorganism Id: ERR2726419.10 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Acutalibacter;s_Acutalibacter sp000435395

Microorganism Id: ERR2726420.13 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Butyrvibrio_A;s_Butyrvibrio_A crossotus

Microorganism Id: ERR2726422.1 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia intestinalis

Microorganism Id: ERR2726422.5 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium sp900758465

Microorganism Id: ERR2726423.2 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-170;s_CAG-170 sp900548625

FIG. 42X

Microorganism Id: ERR2726427.30 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_CAG-272;g_UMGS1696;s_UMGS1696 sp900753285

Microorganism Id: ERR2726431.13 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes_A;s_Alistipes_A sp900545315

Microorganism Id: ERR2726431.2 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Paraprevotella;s_Paraprevotella clara

Microorganism Id: ERR2726433.15 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola sp000434735

Microorganism Id: ERR2726433.6 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides cellulolyticus

Microorganism Id: ERR2726447.12 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes;c_Bacilli;o_RFN20;f_CAG-288;g_CAG-568;s_CAG-568 sp000434395

Microorganism Id: ERR2726447.19 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp002265625

Microorganism Id: ERR2726447.2 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_KLE1615;s_KLE1615 sp900066985

Microorganism Id: ERR2726450.11 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_UBA932;g_RC9;s_RC9 sp000434935

Microorganism Id: ERR2726450.6 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;s_Lachnospira sp000436475

Microorganism Id: ERR2726451.2 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides merdae

Microorganism Id: ERR2726452.15 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes putredinis

Microorganism Id: ERR2726452.5 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes shahii

Microorganism Id: ERR2726452.9 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Negativibacillus;s_Negativibacillus sp900547455

Microorganism Id: ERR2726453.2 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: ERR2726458.13 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter lactaris

FIG. 42Y

Microorganism Id: ERR2726461.15 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_Ruminococcus_C sp000433635

Microorganism Id: ERR2726474.10 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR2726476.5 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola sp000432735

Microorganism Id: ERR2726486.19 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes communis

Microorganism Id: ERR2726493.4 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Dysosmobacter;s_Dysosmobacter welbionis

Microorganism Id: ERR2726493.5 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS403;s_UMGS403 sp900540275

Microorganism Id: ERR2726498.16 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp003522105

Microorganism Id: ERR2726498.24 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_Muribaculum;s_Muribaculum sp003150235

Microorganism Id: ERR2726500.2 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR2726502.1 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA11774;s_UBA11774 sp003507655

Microorganism Id: ERR2726502.18 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_F;s_Ruminococcus_F champanelensis

Microorganism Id: ERR2726512.12 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_UBA932;g_CAG-831;s_

Microorganism Id: ERR2726522.5 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-74;g_SFFH01;s_SFFH01 sp900542395

Microorganism Id: ERR2726527.4 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR2726527.5 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola sp002161565

Microorganism Id: ERR2726532.18 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Pseudoruminococcus;s_Pseudoruminococcus massiliensis

FIG. 42Z

Microorganism Id: ERR2855787.12	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_CAG-115;s_CAG-115		sp003531585
Microorganism Id: ERR2855788.21	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A		massiliensis
Microorganism Id: ERR2855789.4	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger		formicilis
Microorganism Id: ERR2855789.6	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium		prausnitzii_G
Microorganism Id: ERR2855790.1	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Dysosmobacter;s_Dysosmobacter		sp001916835
Microorganism Id: ERR2855790.9	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides		stercoris
Microorganism Id: ERR2855792.6	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella		copri
Microorganism Id: ERR2855795.12	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium		sp900539945
Microorganism Id: ERR2855799.8	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Pseudoruminococcus;s_Pseudoruminococcus		massiliensis
Microorganism Id: ERR2855800.13	Core: Y	Guild Assignment: Guild 1
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Duodenibacillus;s_Duodenibacillus		sp003472385
Microorganism Id: ERR2855802.12	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella		copri
Microorganism Id: ERR2855806.4	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella		copri
Microorganism Id: ERR2855806.9	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus		crispatus
Microorganism Id: ERR2855807.1	Core: N	Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium		prausnitzii_C
Microorganism Id: ERR2855808.13	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-81;s_CAG-81		sp900066535
Microorganism Id: ERR2855810.2	Core: N	Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella		sp900546575

FIG. 42AA

Microorganism Id: ERR2855813.15 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: ERR2855814.14 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_TF01-11;s_TF01-11 sp001414325

Microorganism Id: ERR2855814.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA9502;s_UBA9502 sp003480315

Microorganism Id: ERR2855816.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Paraprevotella;s_Paraprevotella clara

Microorganism Id: ERR2855820.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Selenomonadales;f_Selenomonadaceae;g_Mitsuokella;s_Mitsuokella multacida

Microorganism Id: ERR2855821.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-81;s_CAG-81 sp900066535

Microorganism Id: ERR2855821.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp900552665

Microorganism Id: ERR2855822.31 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS172;s_UMGS172 sp900539855

Microorganism Id: ERR2855822.32 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_Ruminococcus_C callidus

Microorganism Id: ERR2855824.31 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Desulfobacterota;c_Desulfovibrionia;o_Desulfovibrionales;f_Desulfovibrionaceae;g_Desulfovibrio;s_Desulfovibrio sp900319575

Microorganism Id: ERR2855825.1 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola massiliensis

Microorganism Id: ERR2855827.27 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp900545525

Microorganism Id: ERR2855828.7 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA9502;s_UBA9502 sp003478505

Microorganism Id: ERR2855829.8 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger quicibialis

Microorganism Id: ERR2855831.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Duodenibacillus;s_Duodenibacillus massiliensis

Microorganism Id: ERR2855832.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Sutterella;s_Sutterella wadsworthensis

FIG. 42BB

Microorganism Id: ERR2855835.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Ligilactobacillus;s_Ligilactobacillus salivarius

Microorganism Id: ERR2855836.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855837.21 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes_A;s_

Microorganism Id: ERR2855838.18 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_TF01-11;s_TF01-11 sp003524945

Microorganism Id: ERR2855839.16 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_F;s_Eubacterium_F sp003491505

Microorganism Id: ERR2855840.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: ERR2855840.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855842.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister invisus

Microorganism Id: ERR2855842.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides fragilis_A

Microorganism Id: ERR2855844.18 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium_Q;s_Clostridium_Q sp003024715

Microorganism Id: ERR2855850.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp900552665

Microorganism Id: ERR2855851.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855851.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;s_Lachnospira sp900551945

Microorganism Id: ERR2855852.15 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: ERR2855854.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855855.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotellamassilia;s_Prevotellamassilia sp900539625

FIG. 42CC

Microorganism Id: ERR2855857.7 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Mesosutterella;s_Mesosutterella multiformis

Microorganism Id: ERR2855863.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E sp003526955

Microorganism Id: ERR2855864.8 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella stercora

Microorganism Id: ERR2855869.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855871.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira sp900545725

Microorganism Id: ERR2855875.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855876.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Butyricimonas sp003479425

Microorganism Id: ERR2855878.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Dysosmobacter;s_Dysosmobacter sp001916835

Microorganism Id: ERR2855878.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor sp900066565

Microorganism Id: ERR2855880.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855886.18 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E sp003526955

Microorganism Id: ERR2855890.15 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_CAG-279;s_CAG-279 sp000437795

Microorganism Id: ERR2855895.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella stercora

Microorganism Id: ERR2855908.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister sp900538805

Microorganism Id: ERR2855910.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR2855915.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

FIG. 42DD

Microorganism Id: ERR2855915.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E_sp900314705

Microorganism Id: ERR2855918.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola_plebeius_A

Microorganism Id: ERR2855918.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella_sp900557255

Microorganism Id: ERR2855919.23 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_Phill1;s_Phill1_sp001940855

Microorganism Id: ERR2855919.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotellamassilia;s_Prevotellamassilia_sp900540885

Microorganism Id: ERR2855923.15 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_Ruminococcus_C_sp000433635

Microorganism Id: ERR2855923.16 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_UBA932;g_RC9;s_RC9_sp000435075

Microorganism Id: ERR2855927.27 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-488;s_CAG-488_sp000434055

Microorganism Id: ERR2855928.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella_sp003447235

Microorganism Id: ERR2855933.19 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_G;s_Eubacterium_G_sp000435815

Microorganism Id: ERR2855935.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-177;s_CAG-177_sp003514385

Microorganism Id: ERR2855935.9 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes_A;s_Alistipes_A_sp900539755

Microorganism Id: ERR2855937.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella_copri_A

Microorganism Id: ERR2855940.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella_sp900557255

Microorganism Id: ERR2855947.18 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella_sp900066775

Microorganism Id: ERR2855947.28 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-83;s_CAG-83_sp900552475

FIG. 42EE

Microorganism Id: ERR2855947.3	Core: Y	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Dysosmobacter;s_Dysosmobacter			sp001916835
Microorganism Id: ERR2855952.36	Core: N	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_Ruminococcus_C			sp000433635
Microorganism Id: ERR2855954.6	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Duodenibacillus;s_Duodenibacillus			sp900762555
Microorganism Id: ERR2855955.14	Core: N	Guild Assignment: Inconsistent	
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes			putredinis
Microorganism Id: ERR688506.3	Core: Y	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium			prausnitzii_E
Microorganism Id: ERR688507.14	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus			thermophilus
Microorganism Id: ERR688510.6	Core: N	Guild Assignment: Inconsistent	
d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Clostridium_AQ;s_Clostridium_AQ			innocuum
Microorganism Id: ERR688511.7	Core: N	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium			prausnitzii_C
Microorganism Id: ERR688513.3	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Collinsella;s_Collinsella			sp900541745
Microorganism Id: ERR688515.5	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides			uniformis
Microorganism Id: ERR688516.12	Core: N	Guild Assignment: Guild 1	
d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium			catenulatum
Microorganism Id: ERR688517.10	Core: N	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Peptostreptococcales;f_Anaerovoracaceae;g_CAG-238;s_CAG-238			sp000435615
Microorganism Id: ERR688517.16	Core: N	Guild Assignment: Guild 1	
d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_RUG472;s_RUG472			sp900545265
Microorganism Id: ERR688518.3	Core: N	Guild Assignment: Guild 2	
d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_Eggerthella;s_Eggerthella			lenta
Microorganism Id: ERR688518.6	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes			sp900066705
Microorganism Id: ERR688520.2	Core: Y	Guild Assignment: Guild 2	
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R			sp000436835

FIG. 42FF

Microorganism Id: ERR688520.8 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-317;s_CAG-317 sp900543415

Microorganism Id: ERR688521.12 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_CAG-1427;s_CAG-1427 sp000434775

Microorganism Id: ERR688521.4 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Ruminococcus_A;s_Ruminococcus_A sp003011855

Microorganism Id: ERR688522.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: ERR688522.8 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: ERR688522.9 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Dorea;s_Dorea formicigenerans

Microorganism Id: ERR688524.12 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella sp003478085

Microorganism Id: ERR688524.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster sp000155435

Microorganism Id: ERR688528.23 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Bacteroides_F;s_Bacteroides_F pectinophilus

Microorganism Id: ERR688529.17 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Collinsella;s_Collinsella sp900758375

Microorganism Id: ERR688532.12 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: ERR688532.15 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus amylovorus

Microorganism Id: ERR688536.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Peptostreptococcales;f_Peptostreptococcaceae;g_Intestinibacter bartlettii

Microorganism Id: ERR688536.9 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Ruminococcus_A;s_Ruminococcus_A sp003011855

Microorganism Id: ERR688537.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium pullorum

Microorganism Id: ERR688537.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp900120195

FIG. 42GG

Microorganism Id: ERR688539.8 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia stercoris

Microorganism Id: ERR688541.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_C

Microorganism Id: ERR688542.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Coprococcus A;s_Coprococcus A catus

Microorganism Id: ERR688543.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium sp900758465

Microorganism Id: ERR688545.14 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus E;s_Ruminococcus E bromii

Microorganism Id: ERR688551.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella sp900066775

Microorganism Id: ERR688552.12 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium R;s_Eubacterium R sp003526845

Microorganism Id: ERR688553.11 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_CAG-1427;s_CAG-1427 sp900753095

Microorganism Id: ERR688558.20 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_CAG-1427;s_CAG-1427 sp000436075

Microorganism Id: ERR688558.3 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia A;o_Christensenellales;f_CAG-74;g_UMGS1600;s_UMGS1600 sp900553295

Microorganism Id: ERR688558.6 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger qucibialis

Microorganism Id: ERR688559.18 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_CAG-1427;s_CAG-1427 sp000431675

Microorganism Id: ERR688560.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Faecalimonas;s_Faecalimonas umbilicata

Microorganism Id: ERR688561.4 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium animalis

Microorganism Id: ERR688561.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyriciproducens

Microorganism Id: ERR688562.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_C

FIG. 42HH

Microorganism Id: ERR688562.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Enterococcaceae;g_Enterococcus_B;s_Enterococcus_B faecium

Microorganism Id: ERR688563.10 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UBA1417;s_UBA1417 sp003531055

Microorganism Id: ERR688563.9 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR688564.13 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans

Microorganism Id: ERR688564.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_

Microorganism Id: ERR688567.8 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_NK3B98;s_NK3B98 sp900545815

Microorganism Id: ERR688568.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A wexlerae

Microorganism Id: ERR688570.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister sp900543165

Microorganism Id: ERR688577.19 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia dysenteriae

Microorganism Id: ERR688583.11 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A faecis

Microorganism Id: ERR688583.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia inulinivorans

Microorganism Id: ERR688583.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Porphyromonadaceae;g_Porphyromonas_A;s_Porphyromonas_A somerae

Microorganism Id: ERR688584.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Ruminococcus_A;s_Ruminococcus_A sp003011855

Microorganism Id: ERR688588.12 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans

Microorganism Id: ERR688589.10 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp000434635

Microorganism Id: ERR688591.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia hansenii

FIG. 42II

Microorganism Id: ERR688595.4 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR688598.5 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium breve

Microorganism Id: ERR688598.6 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerobutyricum;s_

Microorganism Id: ERR688604.10 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_G;s_Eubacterium_G sp000434315

Microorganism Id: ERR688608.9 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerobutyricum;s_Anaerobutyricum soehngenii

Microorganism Id: ERR688610.11 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_PeH17;s_PeH17 sp900542285

Microorganism Id: ERR688610.21 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900540775

Microorganism Id: ERR688610.9 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia hominis

Microorganism Id: ERR688611.17 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes hadrus

Microorganism Id: ERR688612.11 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R sp900542875

Microorganism Id: ERR688612.12 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans

Microorganism Id: ERR688615.3 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A obeum

Microorganism Id: ERR688615.8 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_CAG-274;g_CAG-274;s_CAG-274 sp000432155

Microorganism Id: ERR688617.7 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900540775

Microorganism Id: ERR688623.13 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyriciproducens

Microorganism Id: ERR688624.17 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_UBA932;g_RC9;s_RC9 sp000431015

FIG. 42JJ

Microorganism Id: ERR688624.20 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Ligilactobacillus;s_Ligilactobacillus animalis

Microorganism Id: ERR688624.9 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-74;g_SFMI01;s_SFMI01 sp004556155

Microorganism Id: ERR688627.12 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A wexlerae

Microorganism Id: ERR688629.1 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR688629.15 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Bulleidia;s_Bulleidia sp900539965

Microorganism Id: ERR688631.6 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides stercoris

Microorganism Id: ERR688631.8 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster bolteae

Microorganism Id: ERR688640.13 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Clostridium_AQ;s_Clostridium_AQ sp900552125

Microorganism Id: ERR688642.6 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger qucibialis

Microorganism Id: ERR688643.1 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

Microorganism Id: ERR688644.6 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella rara

Microorganism Id: ERR688645.2 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: ERR688645.5 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides sp900552405

Microorganism Id: ERR688645.6 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides fragilis

Microorganism Id: ERR710424.17 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger qucibialis

Microorganism Id: ERR710424.19 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister invisus

FIG. 42KK

Microorganism Id: ERR710425.4 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: ERR710426.11 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_Anaerotignum;s_Anaerotignum lactatifermentans

Microorganism Id: ERR710428.15 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes hadrus

Microorganism Id: ERR710430.5 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900539695

Microorganism Id: HD-20.2 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium sp900539945

Microorganism Id: HD-26.8 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;g_Phocaeicola;s_Phocaeicola plebeius_A

Microorganism Id: HD-42.3 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotellamassilia timonensis

Microorganism Id: HD-63.13 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_

Microorganism Id: HD-66.2 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-882;s_CAG-882 sp003486385

Microorganism Id: HD-68.8 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A wexlerae

Microorganism Id: HD-75.2 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: HD-75.3 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp900552665

Microorganism Id: HD-76.2 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Fusobacteriota;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Fusobacterium_A;s_Fusobacterium_A sp900543175

Microorganism Id: HD-77.2 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: HD-8.10 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_F;s_Eubacterium_F sp003491505

Microorganism Id: HD-9.10 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Dysosmobacter;s_Dysosmobacter sp001916835

FIG. 42LL

Microorganism Id: HD-9.8 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: HSM5MD48.1 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: HSM7CYXE.1 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola vulgatus

Microorganism Id: HSM33NW.4 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella rara

Microorganism Id: LD-17.6 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola plebeius

Microorganism Id: LD-20.2 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: LD-26.6 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_TF01-11;s_TF01-11 sp000436755

Microorganism Id: LD-33.1 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides ndongoniae

Microorganism Id: LD-33.4 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: LD-33.7 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides sp000436495

Microorganism Id: LD-35.30 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotrignaceae;g_Anaerotrignum;s_

Microorganism Id: LD-39.9 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides distasonis

Microorganism Id: LD-4.3 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: LD-43.7 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp900552665

Microorganism Id: LD-45.12 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: LD-53.3 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

FIG. 42MM

Microorganism Id: LD-7.2 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Agathobacter;s_Agathobacter faecis

Microorganism Id: LD-75.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides gordonii

Microorganism Id: LD-78.7 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Paraprevotella;s_Paraprevotella clara

Microorganism Id: LD-85.10 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA3402;s_UBA3402 sp003478355

Microorganism Id: LD-91.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides thetaiotaomicron

Microorganism Id: LV22.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003471165

Microorganism Id: MSM79H7C.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor sp900066565

Microorganism Id: MSM79H8B.5 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola dorei

Microorganism Id: MSM79HBZ.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides fragilis_A

Microorganism Id: PSM6XBSE.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii

Microorganism Id: PSM7J184.3 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: PSMA2640.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: SRR341654.1 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Verrucomicrobiota;c_Verrucomicrobiae;o_Verrucomicrobiales;f_Akkermansiaceae;g_Akkermansia;s_Akkermansia muciniphila

Microorganism Id: SRR341655.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia hansenii

Microorganism Id: SRR341660.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus crispatus

Microorganism Id: SRR341670.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia coli

FIG. 42NN

Microorganism Id: SRR341678.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus gallinarum

Microorganism Id: SRR341680.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp003470905

Microorganism Id: SRR341680.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Holdemanella;s_Holdemanella sp002299315

Microorganism Id: SRR341688.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella stercorea

Microorganism Id: SRR341692.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Phocaeicola;s_Phocaeicola plebeius_A

Microorganism Id: SRR341697.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: SRR341704.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: SRR341724.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: SRR341724.5 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium pseudocatenulatum

Microorganism Id: SRR341724.6 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerostipes;s_Anaerostipes hadrus

Microorganism Id: SRR341725.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia A;s_Blautia A sp003480185

Microorganism Id: SRR413557.4 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;s_Lachnospira sp900316325

Microorganism Id: SRR413559.10 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia A;o_Christensenellales;f_CAG-74;g_UBA11524;s_UBA11524 sp000437595

Microorganism Id: SRR413567.10 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides goldsteinii

Microorganism Id: SRR413571.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Ruminococcus B;s_Ruminococcus B gnavus

Microorganism Id: SRR413574.7 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

FIG. 4200

Microorganism Id: SRR413577.2 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: SRR413578.7 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides distasonis

Microorganism Id: SRR413580.2 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotellamassilia;s_Prevotellamassilia sp900540885

Microorganism Id: SRR413584.9 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-603;s_CAG-603 sp900066105

Microorganism Id: SRR413588.5 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp900551275

Microorganism Id: SRR413605.1 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: SRR413607.8 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor sp900066565

Microorganism Id: SRR413608.1 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: SRR413608.2 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp003470905

Microorganism Id: SRR413608.4 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: SRR413613.4 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: SRR413616.7 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: SRR413620.9 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_Parabacteroides distasonis

Microorganism Id: SRR413627.1 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp900543975

Microorganism Id: SRR413635.13 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella buccae

Microorganism Id: SRR413635.2 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia sp003470905

FIG. 42PP

Microorganism Id: SRR413635.5 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-45;s_CAG-45 sp000438375

Microorganism Id: SRR413635.8 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Hungatella;f_Hungatella effluvi

Microorganism Id: SRR413638.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

Microorganism Id: SRR413641.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidales;o_Bacteroidales;g_Bacteroides;s_Bacteroides ovatus

Microorganism Id: SRR413642.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira sp000437735

Microorganism Id: SRR413642.5 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Agathobacter;s_Agathobacter faecis

Microorganism Id: SRR413645.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger quicibialis

Microorganism Id: SRR413648.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidales;o_Bacteroidales;g_Prevotella;s_Prevotella copri_A

Microorganism Id: SRR413648.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Dorea_A;s_Dorea_A longicatena_B

Microorganism Id: SRR413648.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900540595

Microorganism Id: SRR413655.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidales;o_Bacteroidales;g_Prevotellamassilia;s_Prevotellamassilia timonensis

Microorganism Id: SRR413655.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;s_Lachnospira rogosae_A

Microorganism Id: SRR413676.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidales;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides distasonis

Microorganism Id: SRR413677.1 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidales;o_Bacteroidales;f_Marinifiliaceae;g_Odoribacter;s_Odoribacter splanchnicus

Microorganism Id: SRR413680.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidales;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes putredinis

Microorganism Id: SRR413691.1 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidales;o_Bacteroidales;g_Prevotella;s_Prevotella sp900313215

FIG. 42QQ

Microorganism Id: SRR413694.1 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;s_Lachnospira eligens_A

Microorganism Id: SRR413694.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia flexneri

Microorganism Id: SRR413697.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_CAG-521;s_CAG-521 sp902388655

Microorganism Id: SRR413700.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Bariatricus;s_Bariatricus comes

Microorganism Id: SRR413706.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia flexneri

Microorganism Id: SRR413713.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003471165

Microorganism Id: SRR413728.1 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA9502;s_UBA9502 sp900540335

Microorganism Id: SRR413729.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides caccae

Microorganism Id: SRR413736.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Butyricimonas;s_Butyricimonas virosa

Microorganism Id: SRR413739.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_RUG115;s_RUG115 sp900066395

Microorganism Id: SRR413744.9 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003471165

Microorganism Id: SRR413752.14 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-177;s_CAG-177 sp003514385

Microorganism Id: SRR413752.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes finegoldii

Microorganism Id: SRR413753.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: SRR413753.22 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes communis

Microorganism Id: SRR413755.1 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster aldenensis

FIG. 42RR

Microorganism Id: SRR413757.11 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter_saccharivorans

Microorganism Id: SRR413760.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus_amylovorus

Microorganism Id: SRR413761.12 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_Anaerotignum;s_Anaerotignum_faecicola

Microorganism Id: SRR413762.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_TF01-11;s_TF01-11_sp003524945

Microorganism Id: SRR413762.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-95;s_CAG-95_sp000438155

Microorganism Id: SRR413762.6 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Odoribacter;s_Odoribacter_massiliensis

Microorganism Id: SRR413767.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella_sp900066775

Microorganism Id: SRR413769.2 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor_sp900066365

Microorganism Id: SRR413770.4 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Ruminococcus_B;s_Ruminococcus_B_gnavus

Microorganism Id: SRR413771.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110_sp900540635

Microorganism Id: SRR413772.4 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes;s_Alistipes_orderdonkii

Microorganism Id: SRR5279217.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium_prausnitzii_D

Microorganism Id: SRR5279217.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;
 s_Bifidobacterium_pseudocatenulatum

Microorganism Id: SRR5279219.7 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E_sp900314705

Microorganism Id: SRR527922.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A_sp003480185

Microorganism Id: SRR5279231.13 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus_C;s_Ruminococcus_C_sp000433635

FIG. 42SS

Microorganism Id: SRR5279239.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Limosilactobacillus;s_Limosilactobacillus mucosae

Microorganism Id: SRR5279239.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: SRR5279247.3 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_G

Microorganism Id: SRR5279252.7 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_Anaerotignum;s_

Microorganism Id: SRR5279252.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_CAG-81;s_CAG-81 sp900066785

Microorganism Id: SRR5279253.7 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Sutterella;s_

Microorganism Id: SRR5279267.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia coli_D

Microorganism Id: SRR5279269.27 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_G;s_Eubacterium_G ventriosum

Microorganism Id: SRR5279272.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: SRR5279275.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900540595

Microorganism Id: SRR5279278.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotellamassilia sp900539625

Microorganism Id: SRR5279281.3 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger qucibialis

Microorganism Id: SRR5279285.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelatoclostridiaceae;g_Faecalibacillus;s_Faecalibacillus intestinalis

Microorganism Id: SRR5279303.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Veillonellaceae;g_Veillonella;s_Veillonella parvula_A

Microorganism Id: SRR5279309.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003480185

Microorganism Id: SRR6468507.8 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A wexlerae

FIG. 42TT

Microorganism Id: SRR6468510.13 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_UBA932;g_RC9;s_RC9 sp000434935

Microorganism Id: SRR6468510.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-110;s_CAG-110 sp000434635

Microorganism Id: SRR6468511.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Pygmabacter;s_Pygmabacter massiliensis

Microorganism Id: SRR6468511.8 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp900548245

Microorganism Id: SRR6468523.9 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-170;s_CAG-170 sp000432135

Microorganism Id: SRR6468525.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella sp900066775

Microorganism Id: SRR6468527.6 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraeae;g_Anaeroglobus;s_Anaeroglobus geminatus

Microorganism Id: SRR6468533.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

Microorganism Id: SRR6468543.7 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R sp900540305

Microorganism Id: SRR6468553.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_

Microorganism Id: SRR6468554.4 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_Lactobacillus delbrueckii_B

Microorganism Id: SRR6468561.5 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii

Microorganism Id: SRR6468572.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UMGS680;s_UMGS680 sp900544525

Microorganism Id: SRR6468582.22 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_C

Microorganism Id: SRR6468585.11 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia hansenii

Microorganism Id: SRR6468588.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Fusicatenibacter;s_Fusicatenibacter saccharivorans

FIG. 42UU

Microorganism Id: SRR6468590.5 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_G;s_Eubacterium_G sp000432355

Microorganism Id: SRR6468593.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900548355

Microorganism Id: SRR6468594.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_V9D3004;s_V9D3004 sp900760345

Microorganism Id: SRR6468594.7 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp900317525

Microorganism Id: SRR6468602.3 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Parasutterella;s_Parasutterella sp000980495

Microorganism Id: SRR6468608.15 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Massiliomicrobiota;s_Massiliomicrobiota sp002160815

Microorganism Id: SRR6468611.11 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Dysosmobacter;s_Dysosmobacter sp001916835

Microorganism Id: SRR6468612.10 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Acutalibacter;s_Acutalibacter timonensis

Microorganism Id: SRR6468618.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Flavonifractor;s_Flavonifractor plautii

Microorganism Id: SRR6468618.9 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Sellimonas;s_Sellimonas intestinalis

Microorganism Id: SRR6468619.11 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A caecimuris

Microorganism Id: SRR6468619.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides faecis

Microorganism Id: SRR6468619.8 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster bolteae

Microorganism Id: SRR6468627.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyriciproducens

Microorganism Id: SRR6468632.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_D

Microorganism Id: SRR6468633.4 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp900539695

FIG. 42VV

Microorganism Id: SRR6468636.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Odoribacter;s_Odoribacter laneus

Microorganism Id: SRR6468637.9 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: SRR6468639.4 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus lutetiensis

Microorganism Id: SRR6468643.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_C

Microorganism Id: SRR6468651.2 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Faecalimonas;s_

Microorganism Id: SRR6468652.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Bariatricus;s_Bariatricus comes

Microorganism Id: SRR6468652.5 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraeae;g_Anaeroglobus;s_Anaeroglobus micronuciformis

Microorganism Id: SRR6468653.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Odoribacter;s_Odoribacter splanchnicus

Microorganism Id: SRR6468659.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides stercoris

Microorganism Id: SRR6468662.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Flavonifractor;s_Flavonifractor plautii

Microorganism Id: SRR6468672.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Acidaminococcus;s_Acidaminococcus intestini

Microorganism Id: SRR6468684.3 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;s_Lachnospira sp000436475

Microorganism Id: SRR6468684.5 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_KLE1615;s_KLE1615 sp900066985

Microorganism Id: SRR6468685.16 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eubacterium_F;s_Eubacterium_F sp003491505

Microorganism Id: SRR6468688.21 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R sp000431535

Microorganism Id: SRR6468691.15 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyriciproducens

FIG. 42WW

Microorganism Id: SRR6468695.15 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Acutalibacter;s_Acutalibacter sp900548545

Microorganism Id: SRR6468699.2 Core: Y Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger formicilis

Microorganism Id: SRR6468702.17 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister sp000434475

Microorganism Id: SRR6468705.4 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Ruminococcus_B;s_Ruminococcus_B_gnavus

FIG. 42XX