

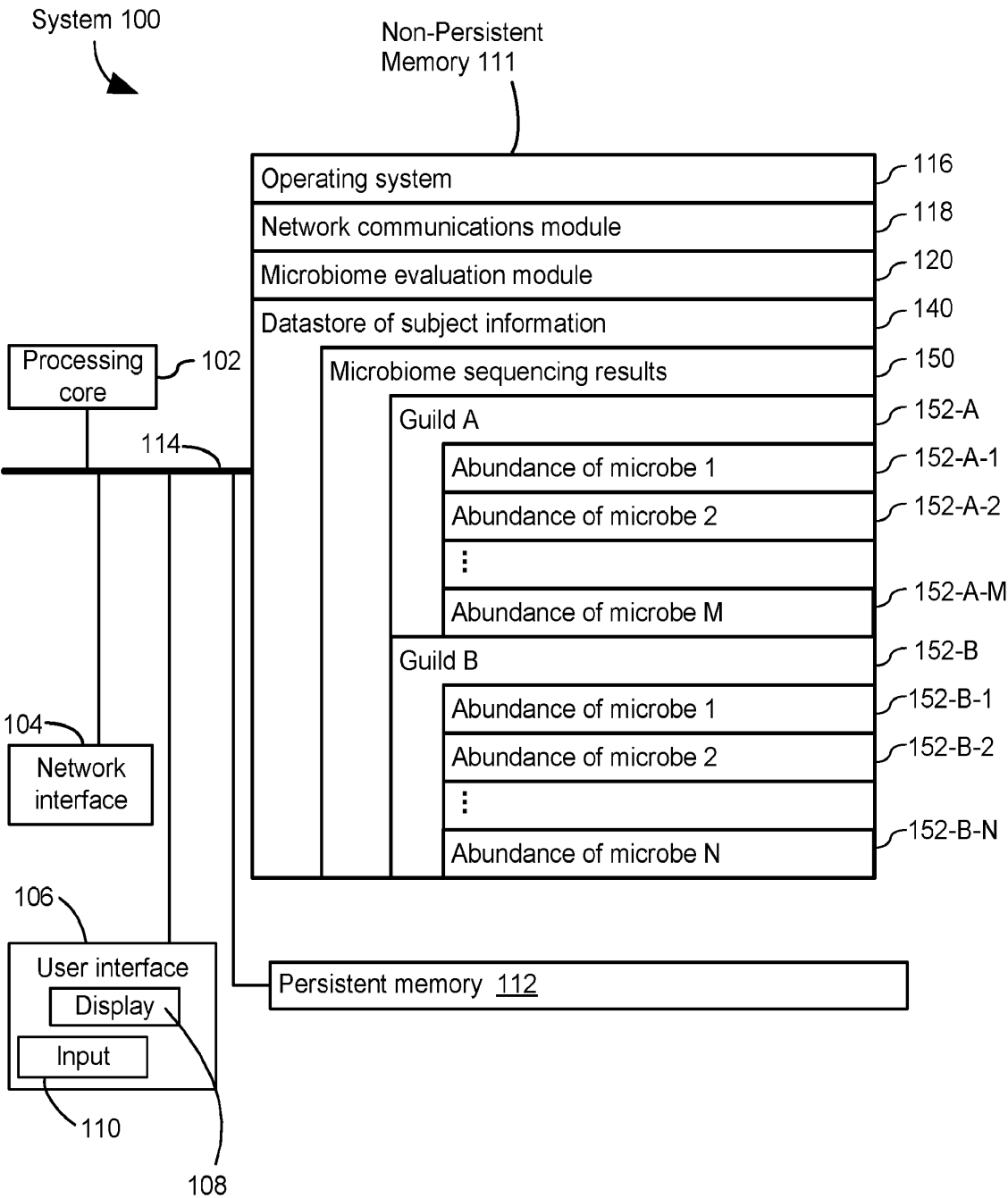


FIG. 1

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(200) Obtain, in electronic form, for each respective training subject in a plurality of training subjects, (i) a corresponding plurality of genomic abundance values for the respective training subject at a time prior to receiving the therapy. The corresponding plurality of genomic abundance values comprise, 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. (ii) an indication of the respective training subject's response to the therapy of the respective training subject. Each respective training subject in the plurality of training subjects has received a therapy for a disorder.

(202) 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.

(204) Obtain, for each respective training subject in the plurality of training subjects, 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.

(206) 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 plurality of at least 100,000 nucleic acid sequences.

(208) For each respective training subject in the plurality of training subjects, assemble, in electronic form, 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, 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. 2A

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A



(200 continued)

(206 continued)

(210) For each respective subject in the plurality of training subjects, assign each respective nucleic acid sequence in the corresponding 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 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.

(212) The plurality of gut microorganisms comprises at least 20 gut microorganisms selected from Table 1, Table 2, or Figure A-XX.

(214) The plurality of gut microorganisms comprises at least 20 microorganisms selected from those microorganisms in Table 1, Table 2, or Figure A-XX having a connectivity of at least 2.

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

(218) The therapy is a biological therapy, an immunotherapy, a chemotherapy, a radiation therapy, a gene therapy, a hormone therapy, a photodynamic therapy, a targeted therapy, small molecules, antibodies, polynucleotide, natural compound, immune modulator, bone marrow therapy, stem cell therapy, surgery therapy, induction therapy, maintenance therapy, or a combination thereof.



B

Fig. 2B

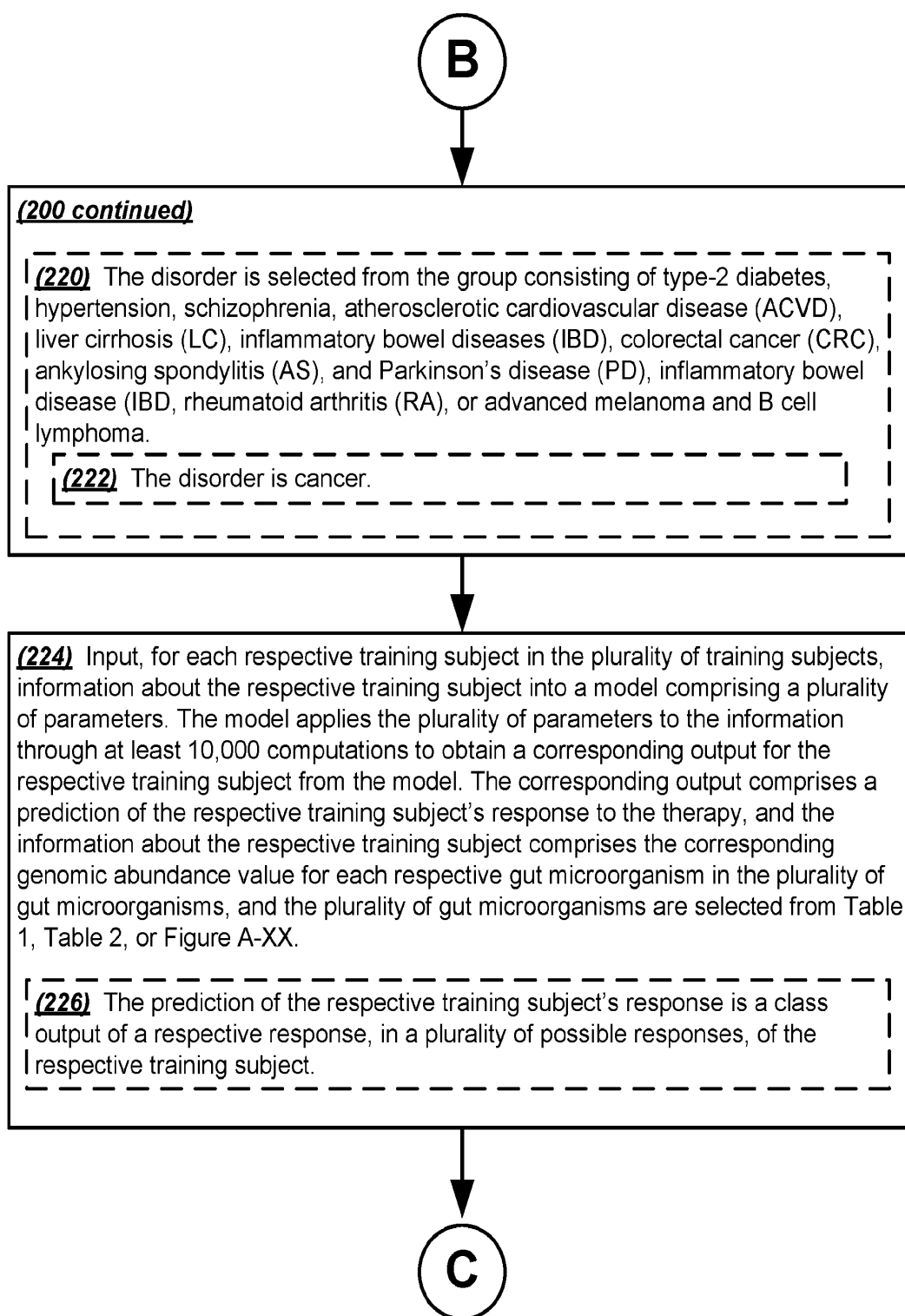


Fig. 2C

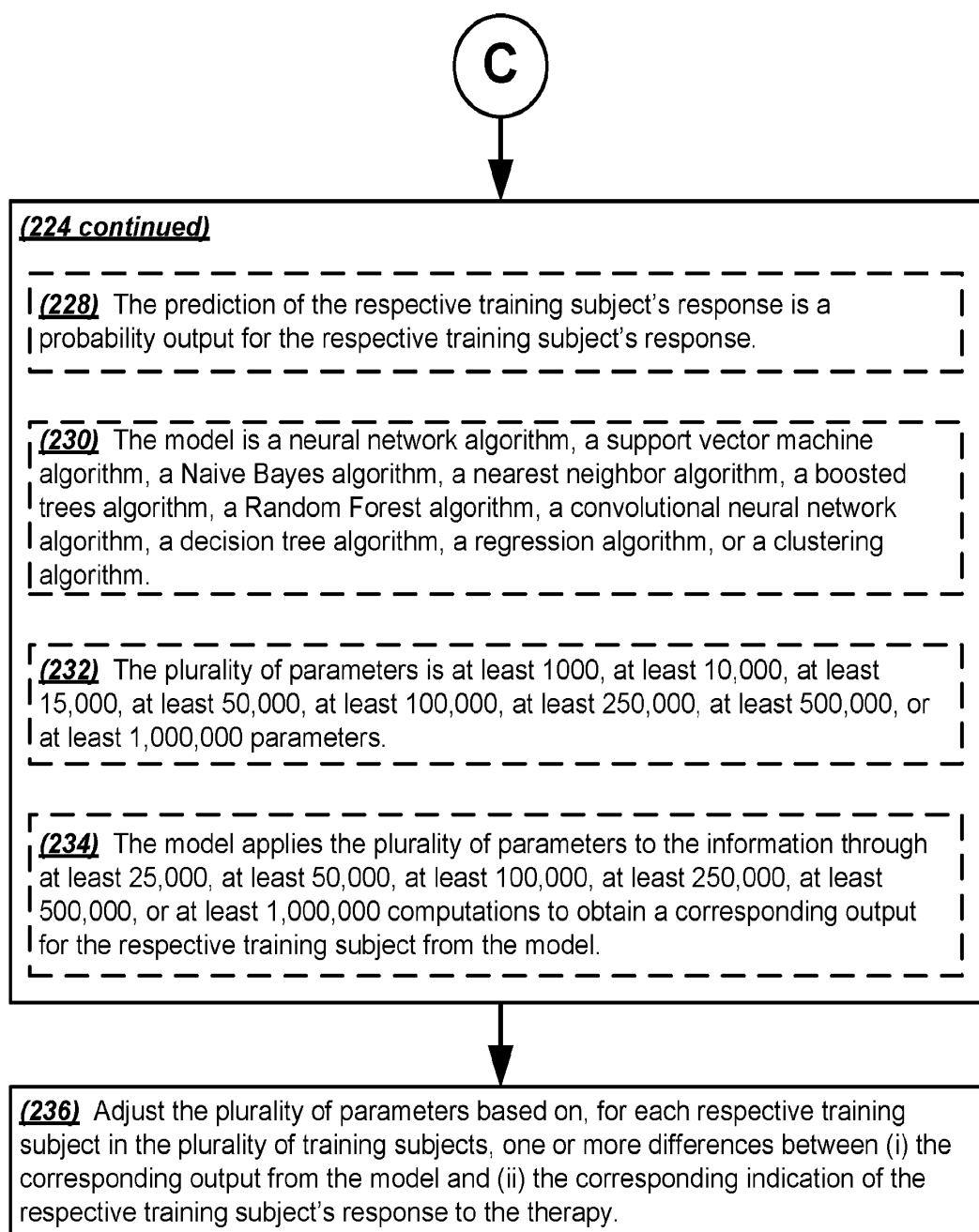


Fig. 2D

(300) Obtain, in electronic form, a plurality of genomic abundance values comprising, for each respective gut microorganism in a plurality of gut microorganisms selected from Table 1, Table 2, or Figure A-XX, a corresponding abundance value for the genome of the respective species of gut bacteria, in the plurality of gut microorganisms, in a biological sample from the subject.

(302) 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.

(304) 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.

(306) 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.

(308) 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.

(310) Assign each respective nucleic acid sequence in the 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 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.



Fig. 3A

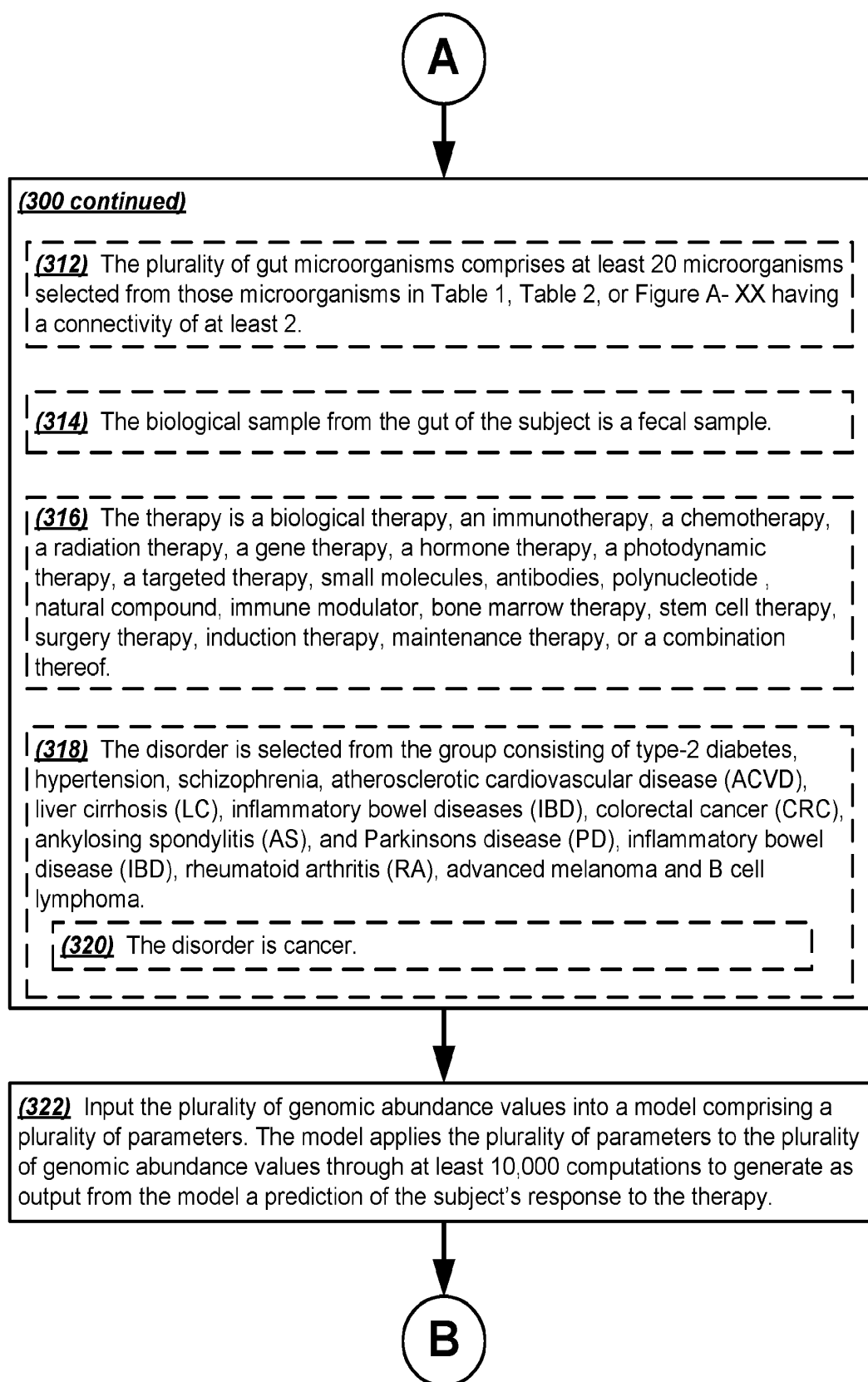


Fig. 3B
SUBSTITUTE SHEET (RULE 26)

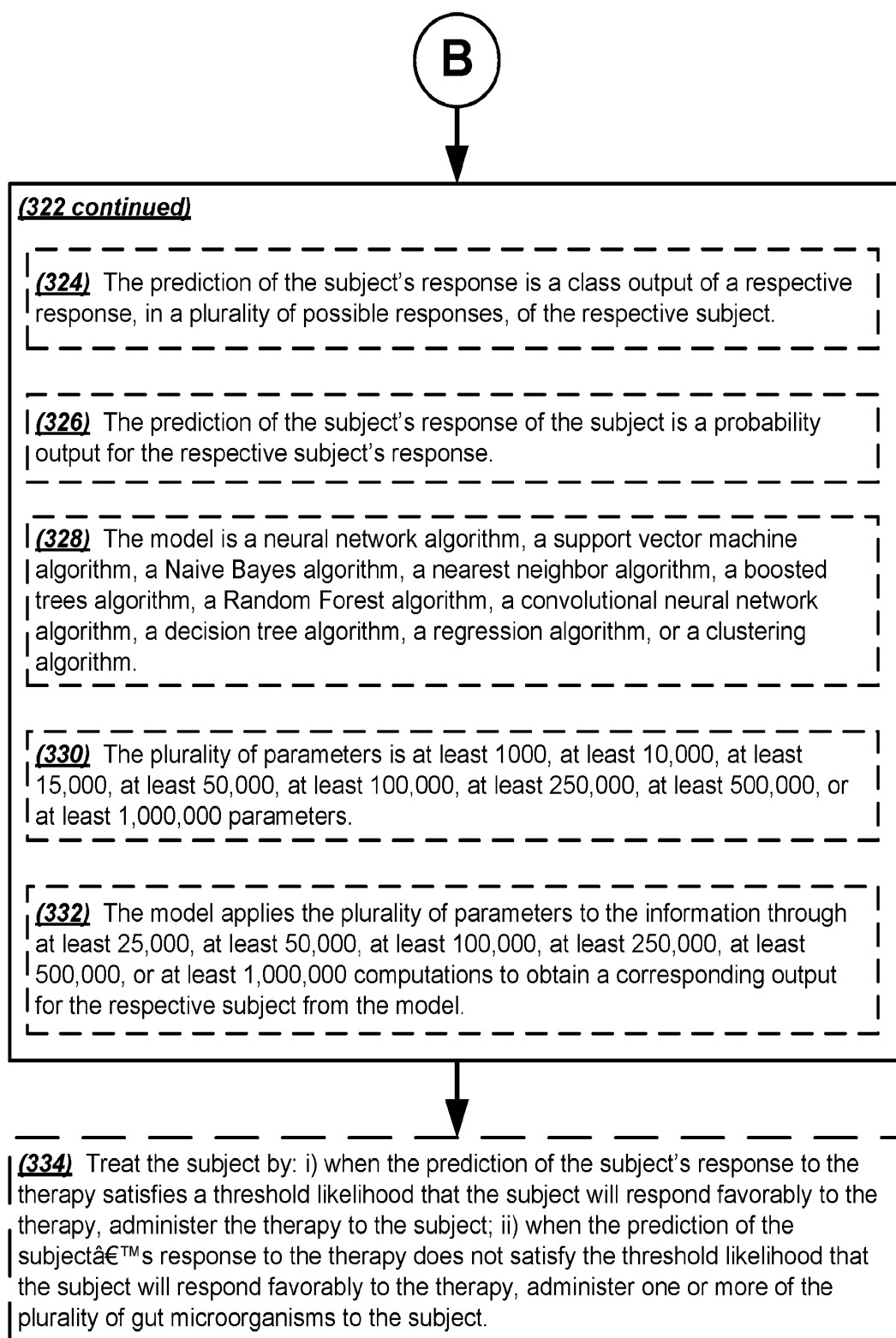


Fig. 3C

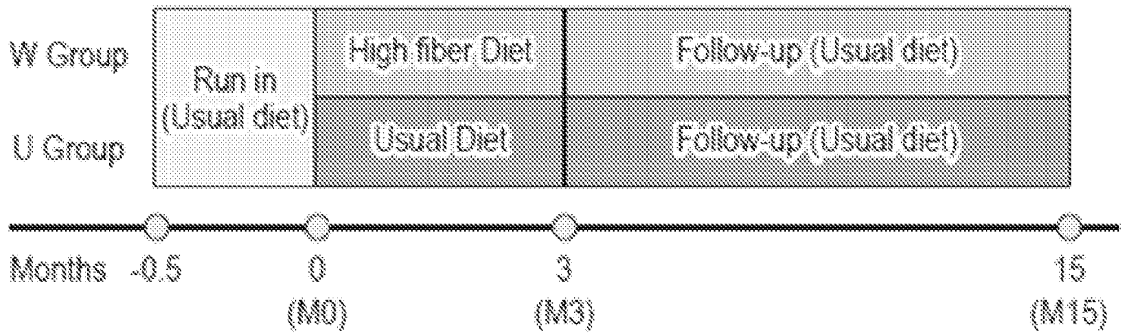


FIG. 4A

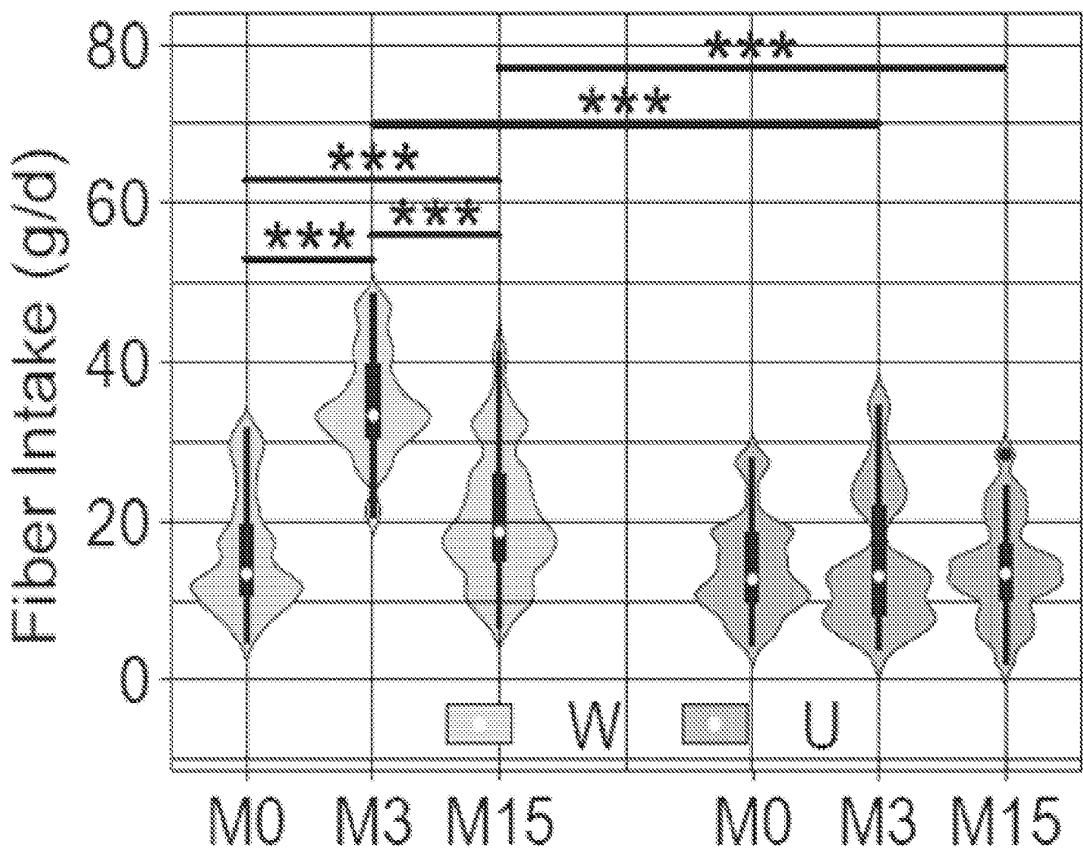


FIG. 4B

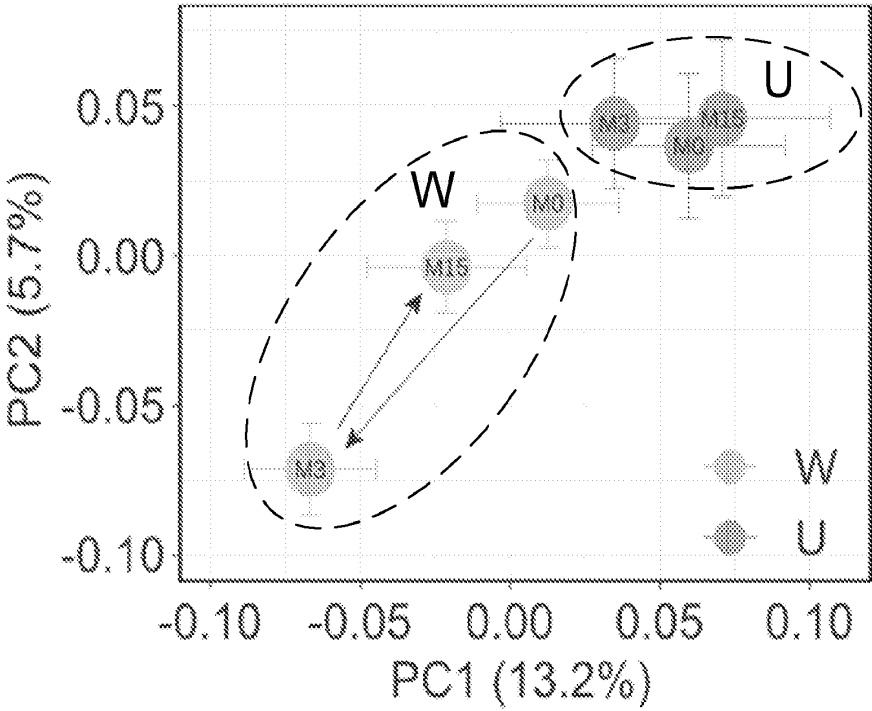


FIG. 4C

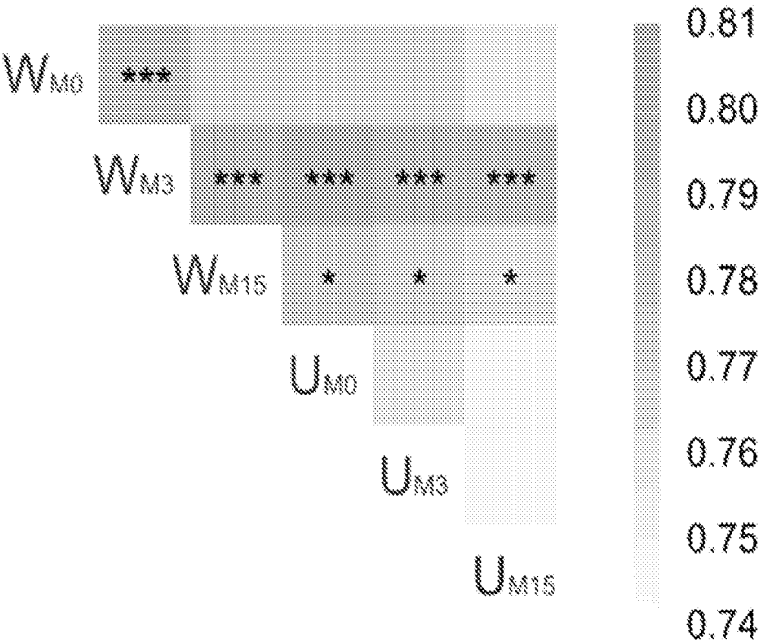


FIG. 4D

SUBSTITUTE SHEET (RULE 26)

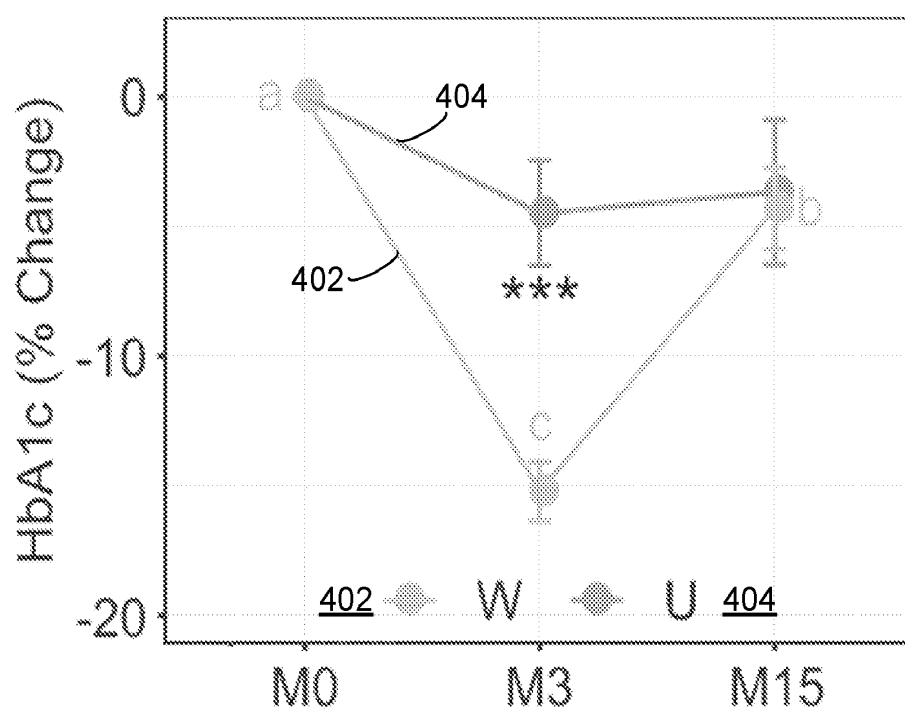


FIG. 4E

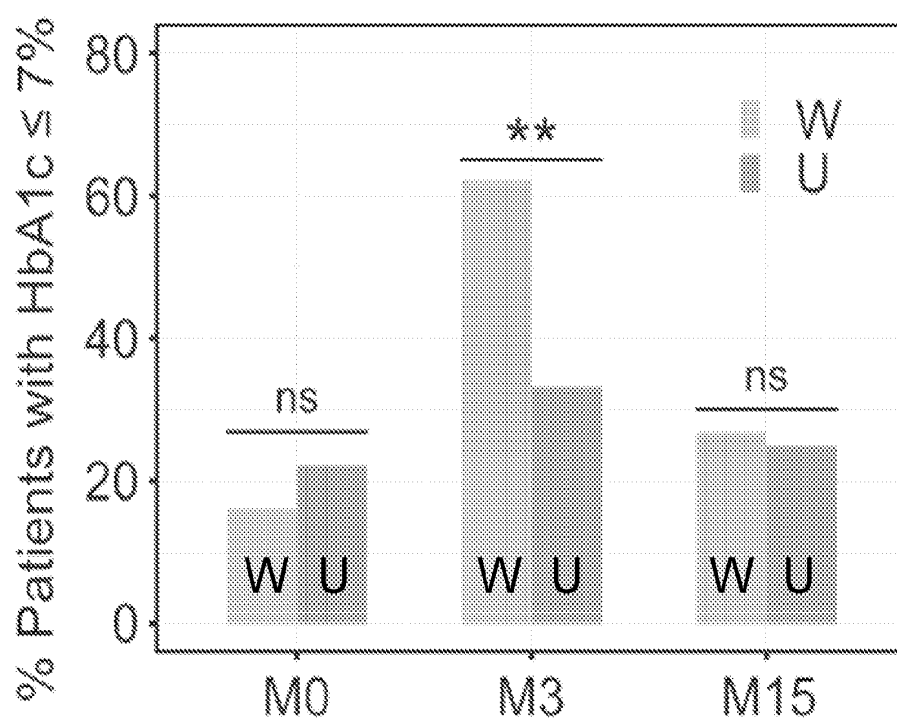


FIG. 4F

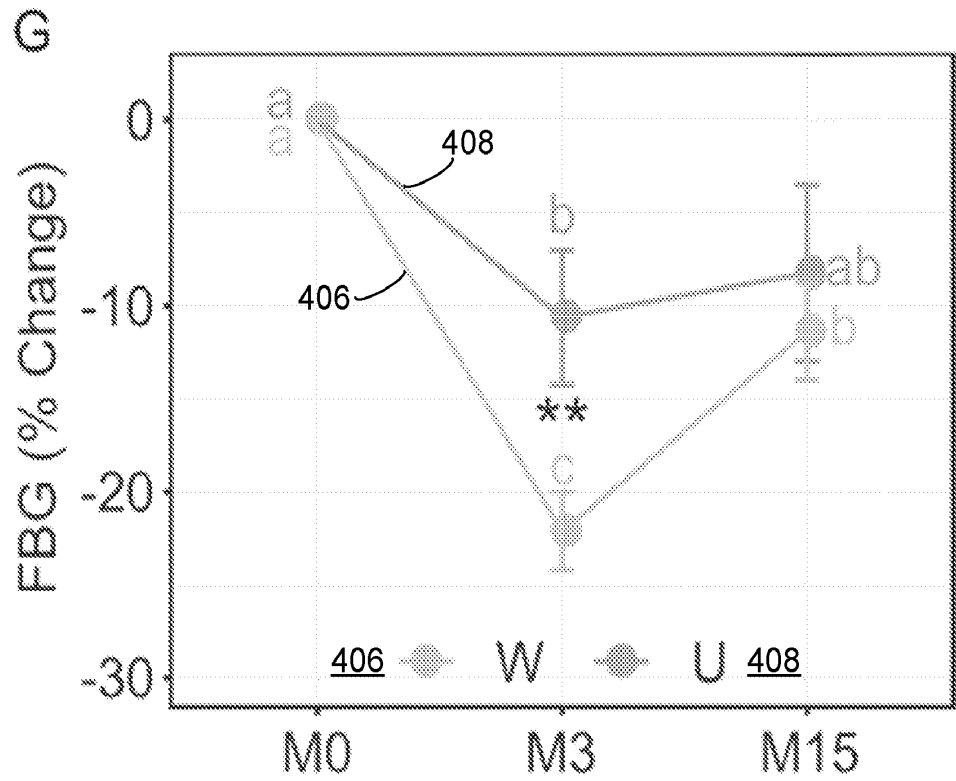


FIG. 4G

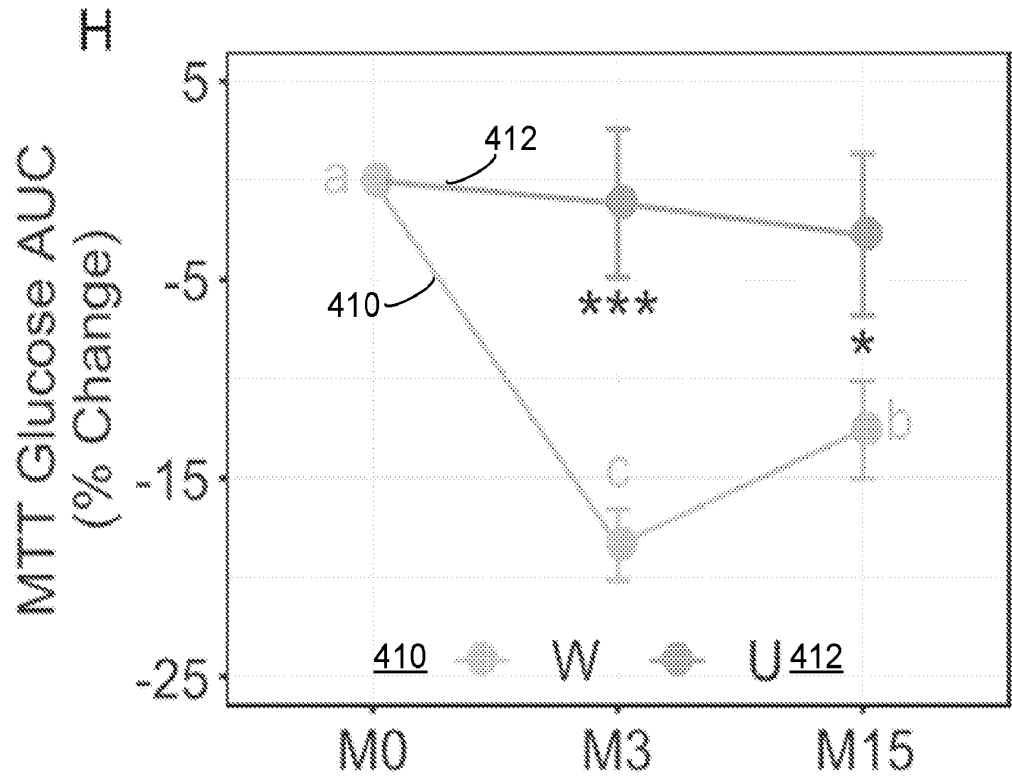


FIG. 4H

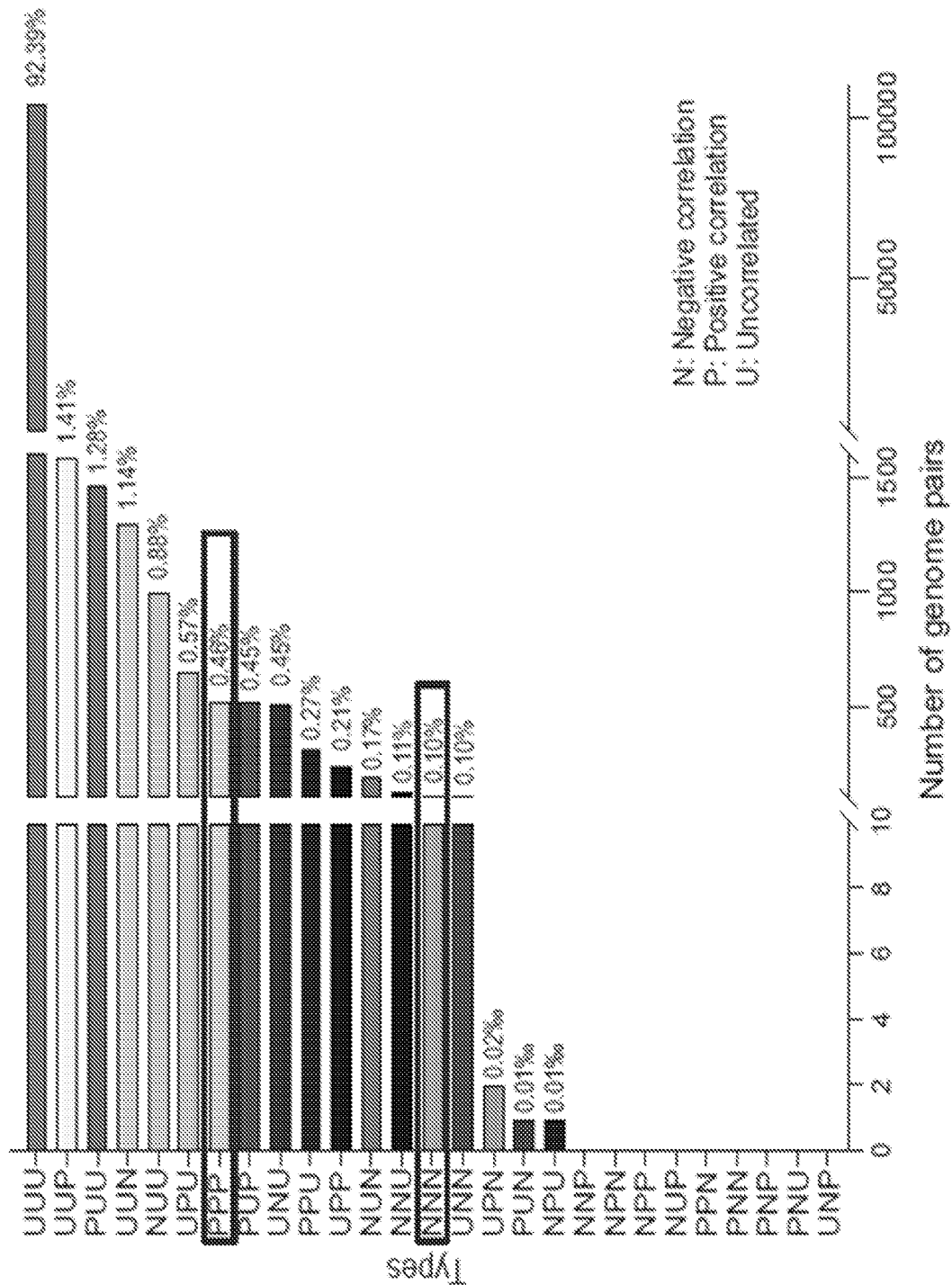


FIG. 5A

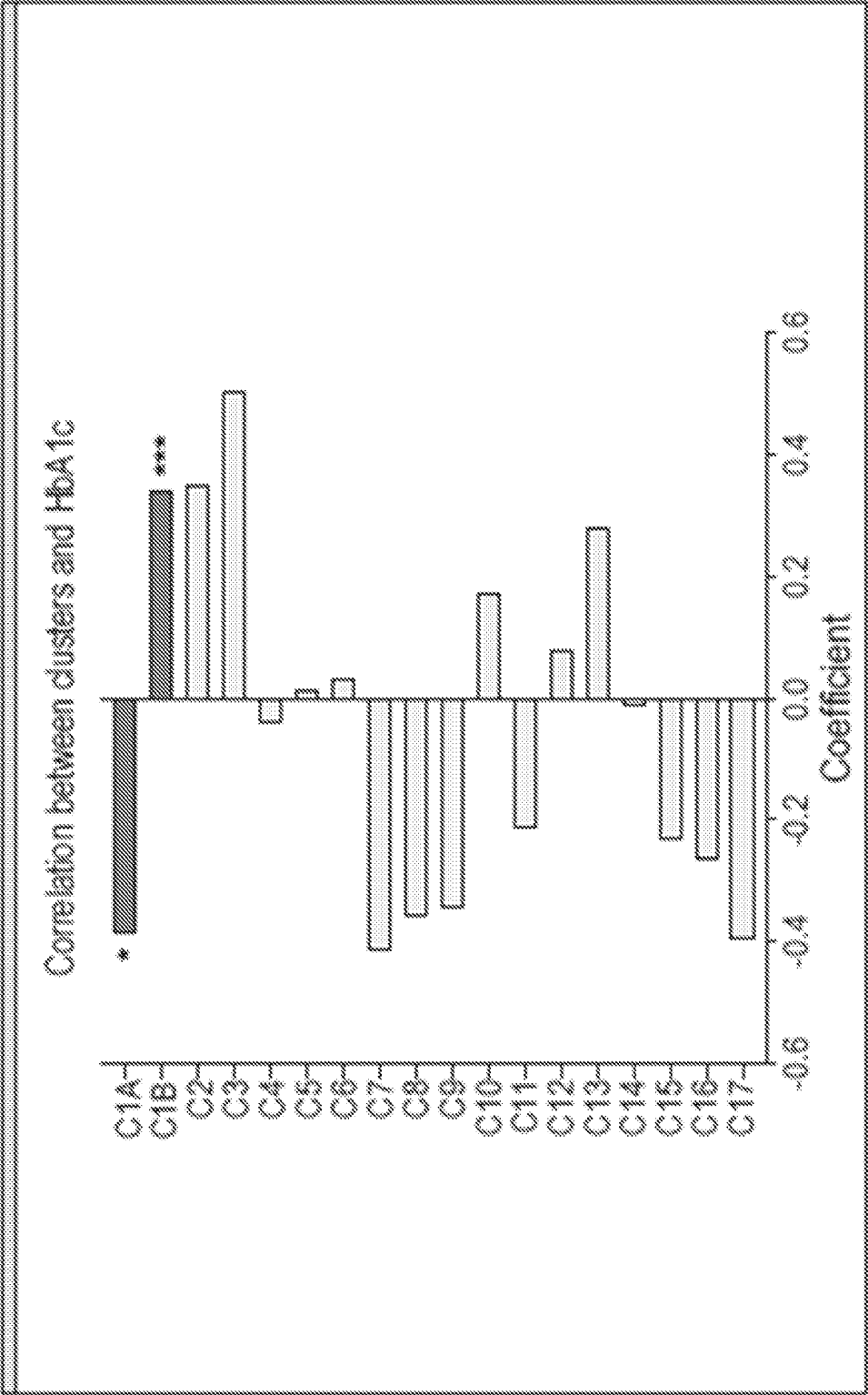


FIG. 5B

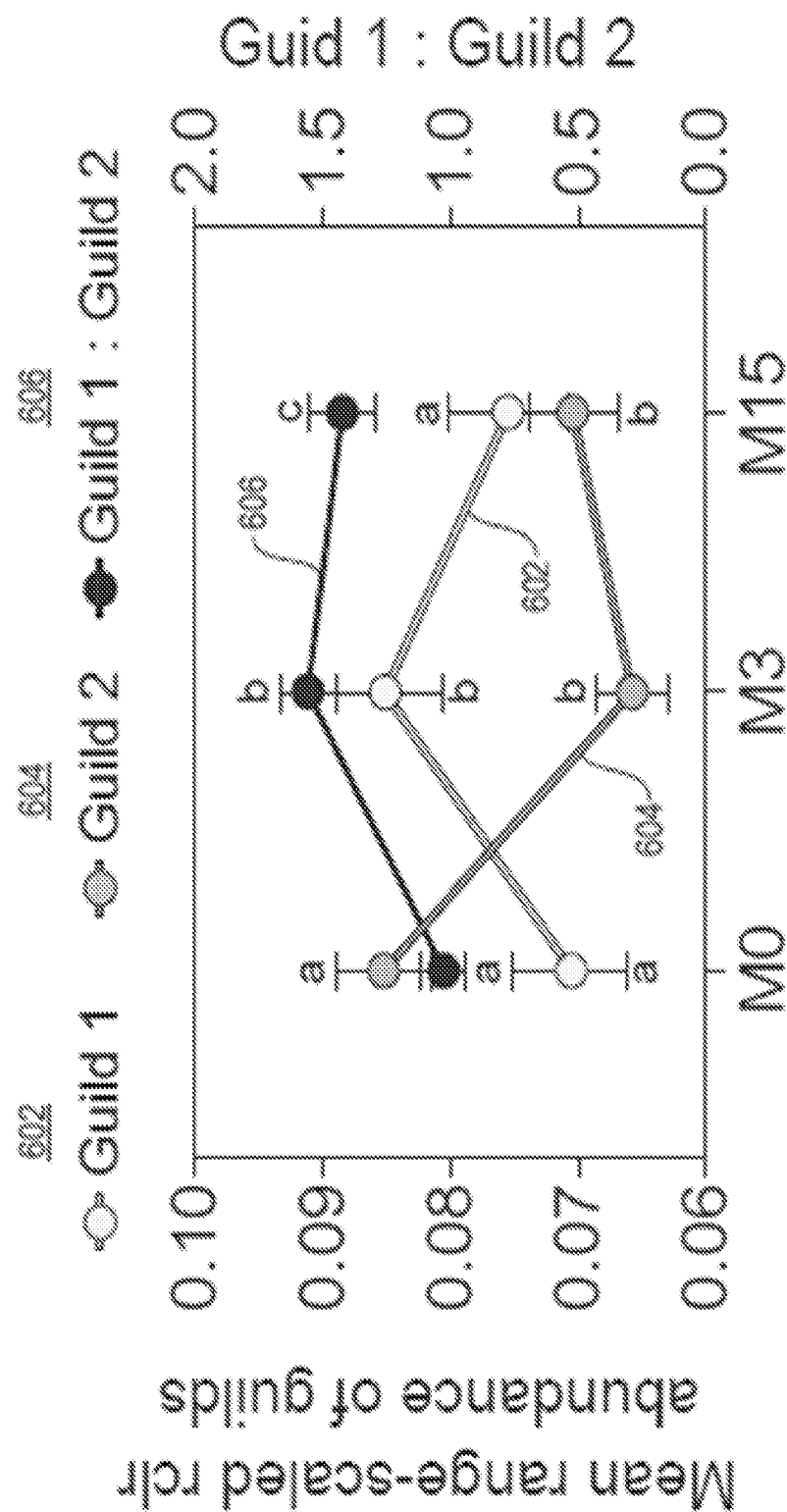


FIG. 6A

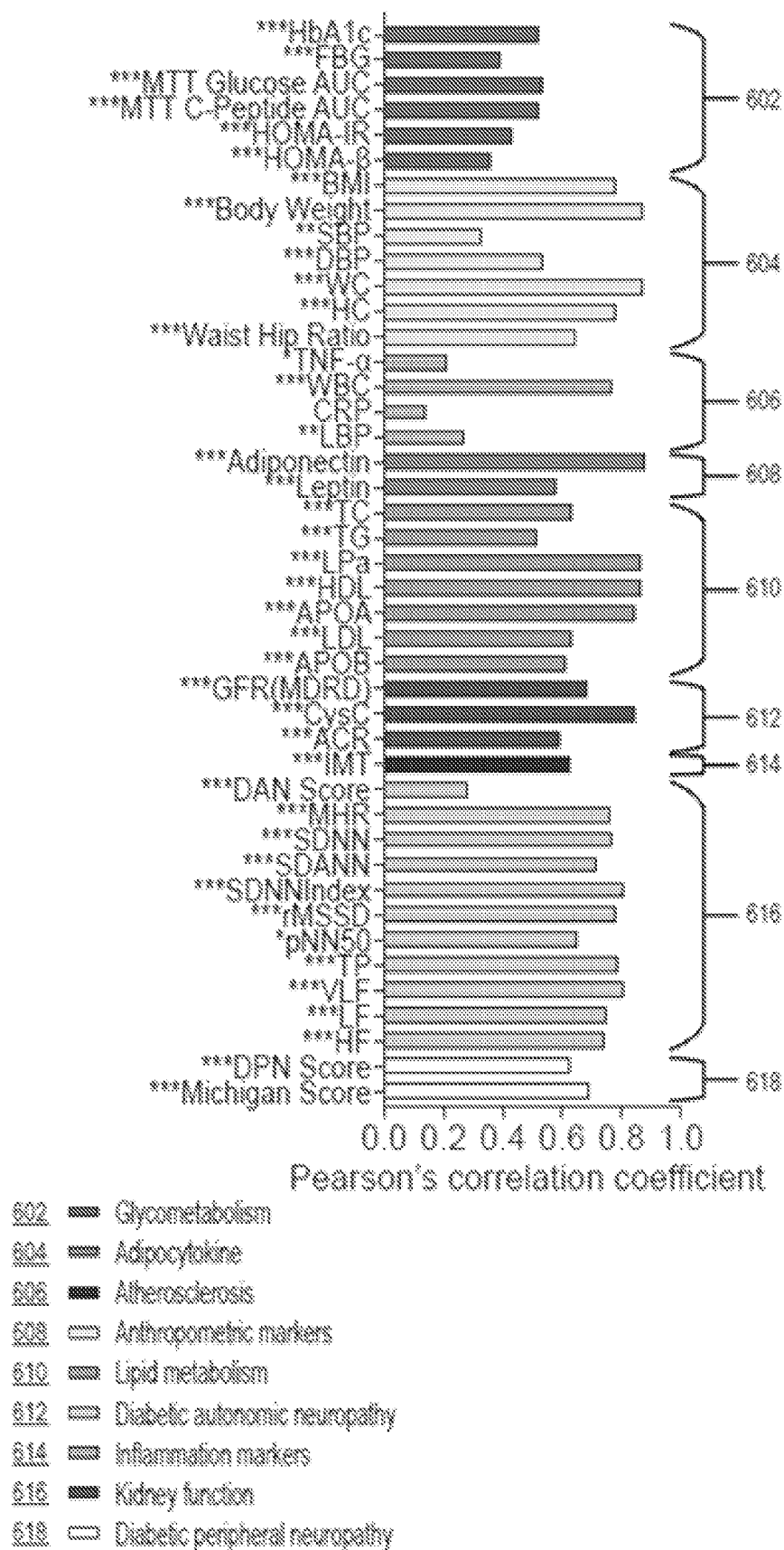
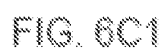


FIG. 6B

SUBSTITUTE SHEET (RULE 26)



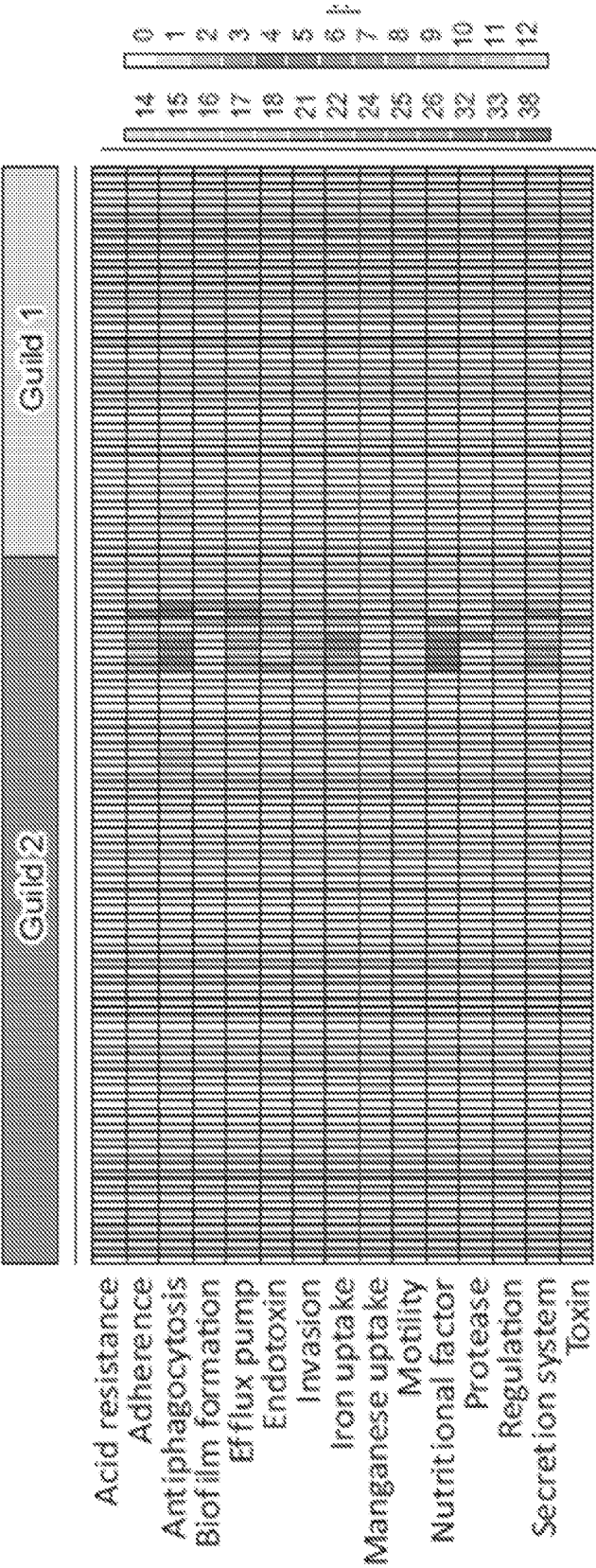
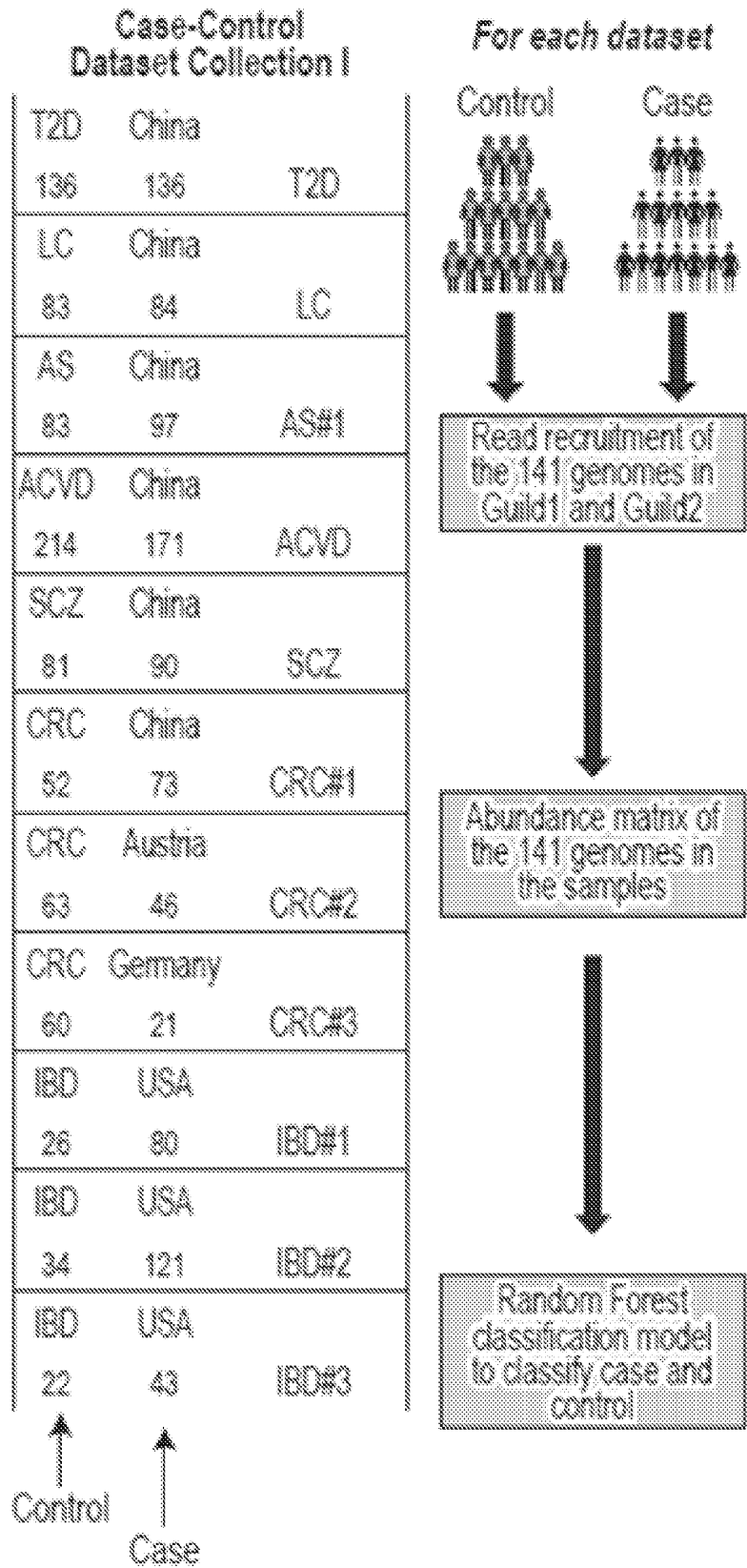


FIG. 6C2



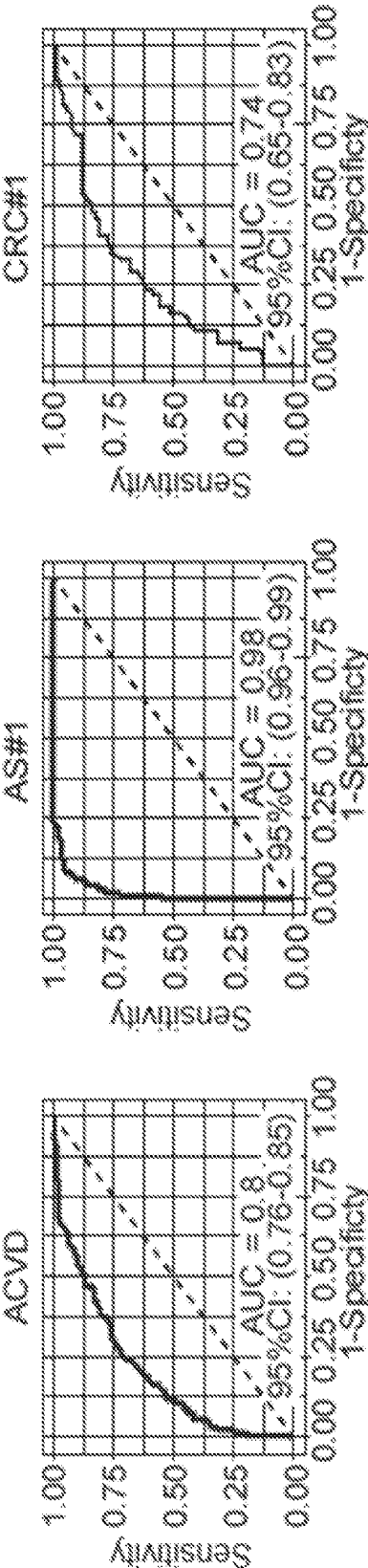


FIG. 6E1

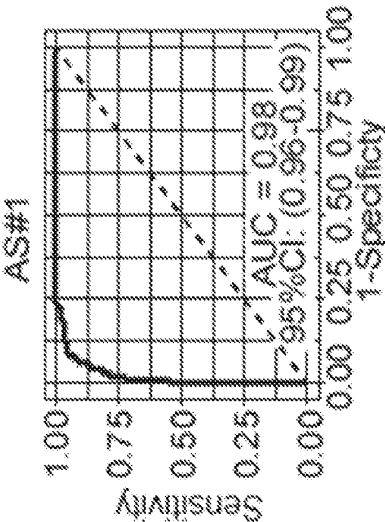


FIG. 6E2

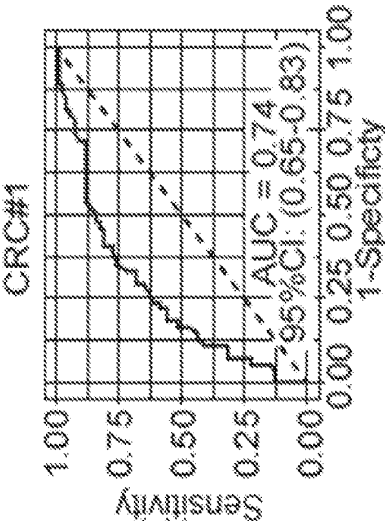


FIG. 6E3

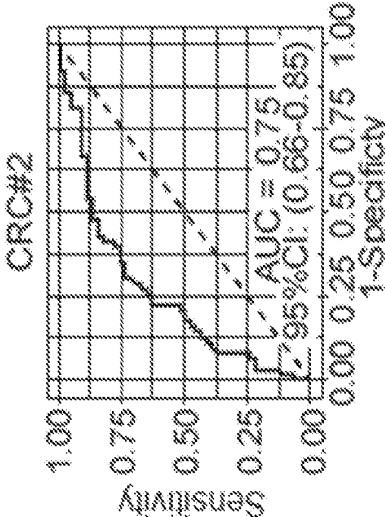


FIG. 6E4

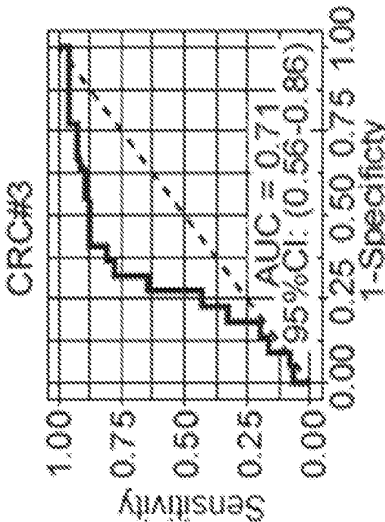


FIG. 6E5

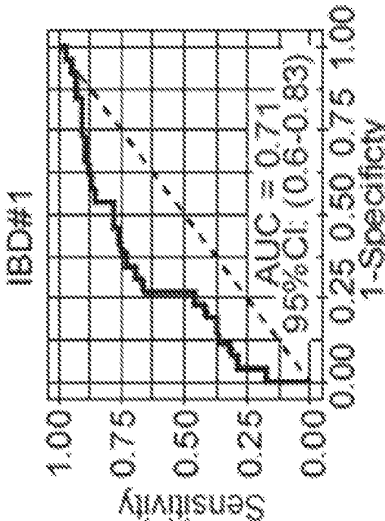


FIG. 6E6

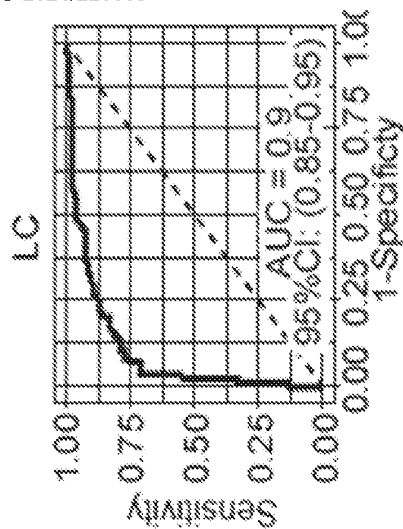


FIG. 6E7

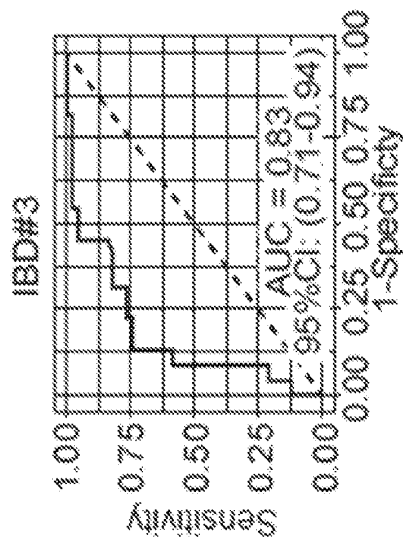


FIG. 6E8

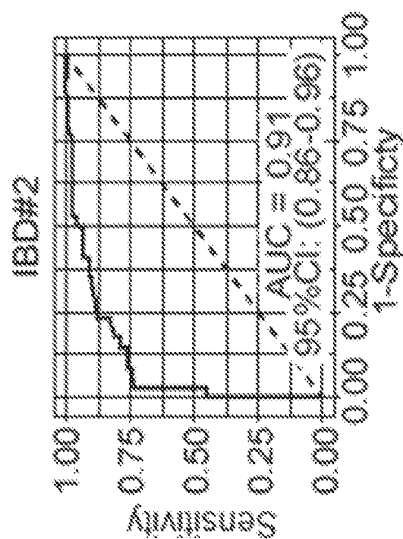


FIG. 6E9

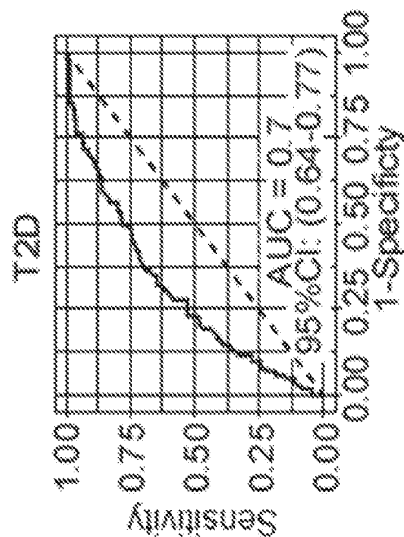


FIG. 6E10

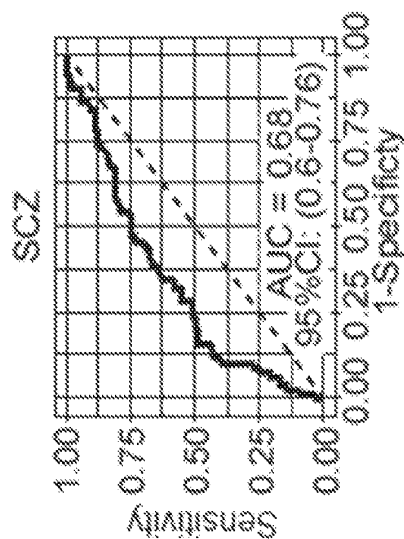


FIG. 6E11

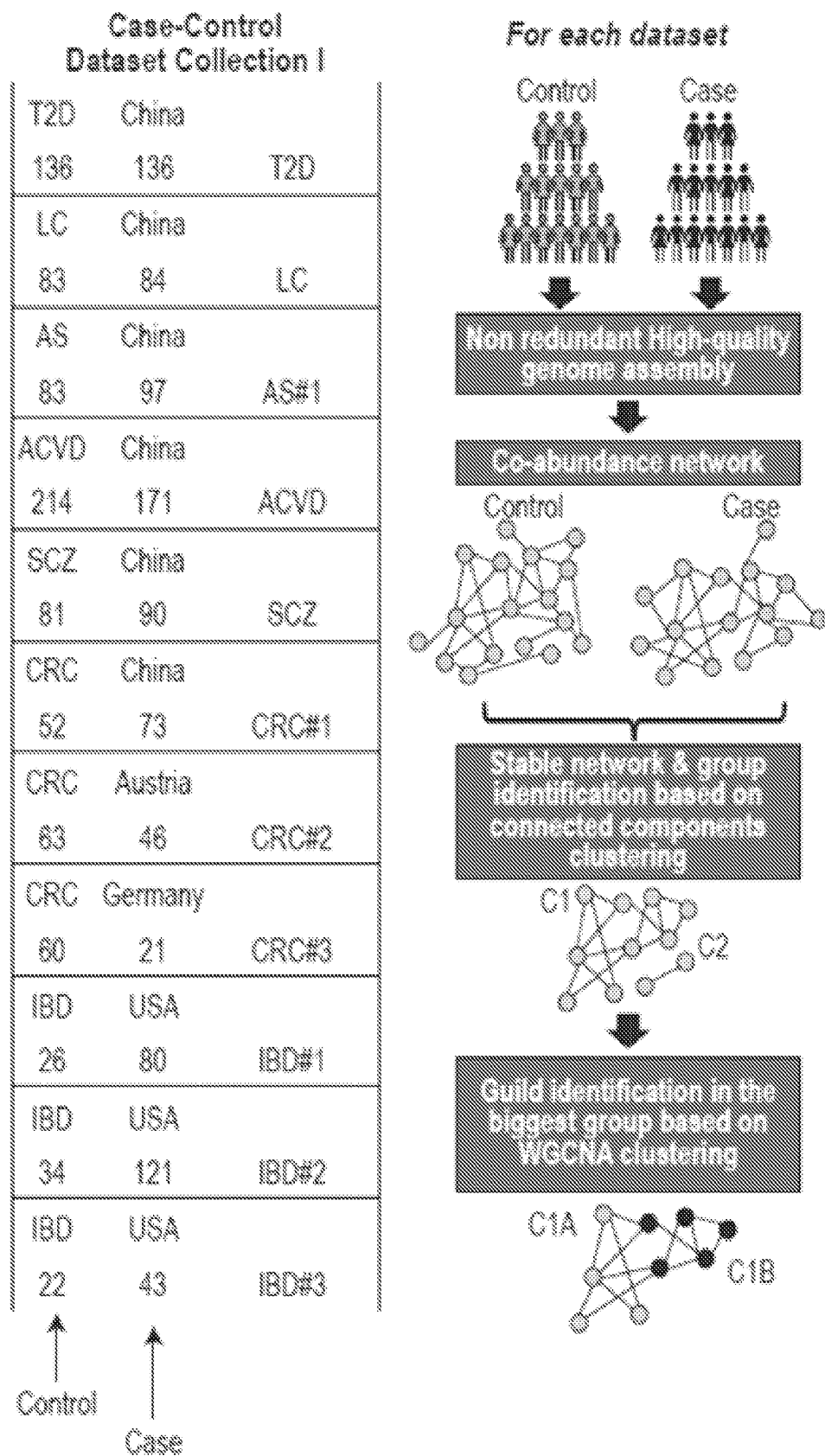


FIG. 7A

SUBSTITUTE SHEET (RULE 26)

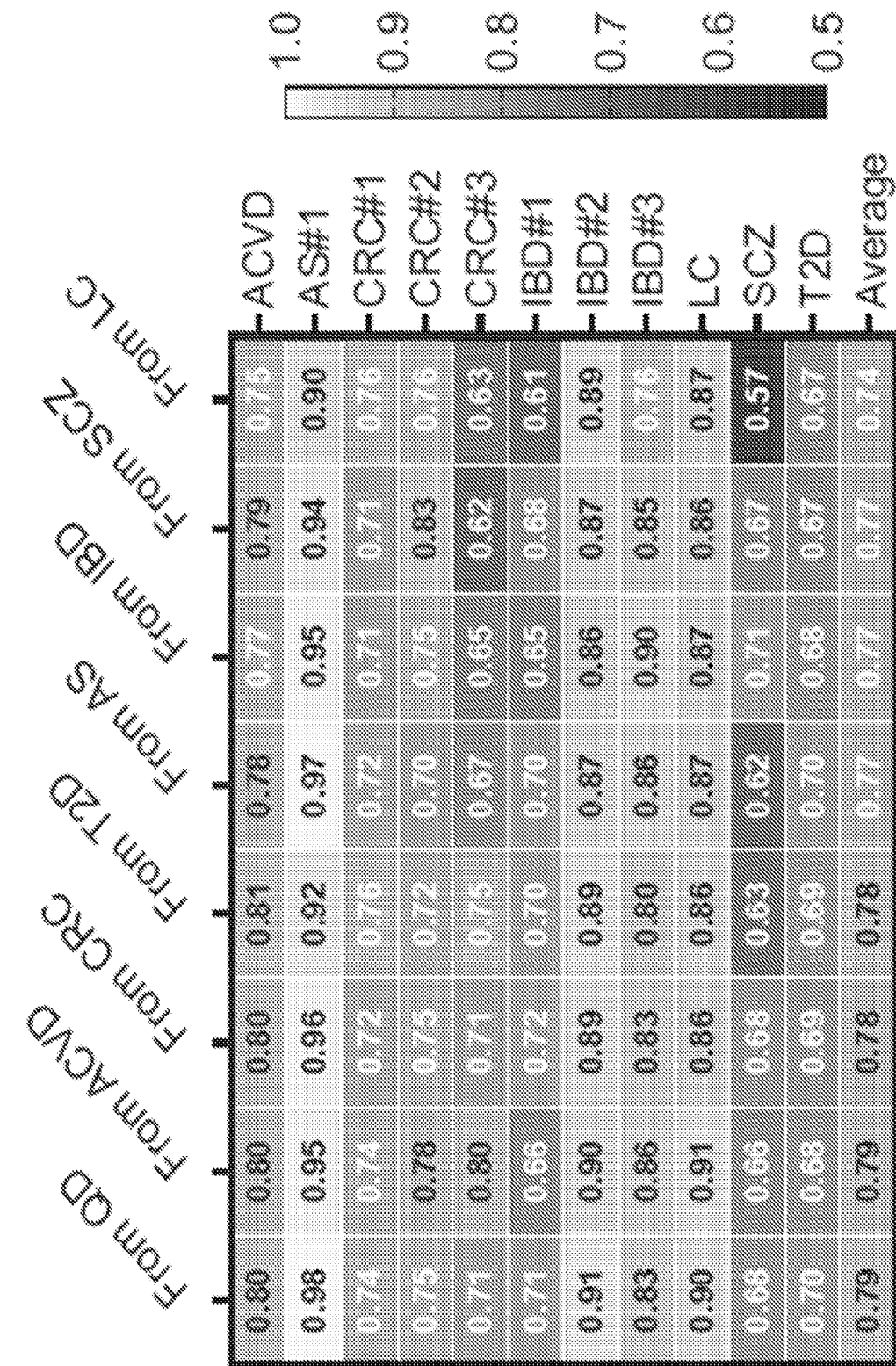


FIG. 7B

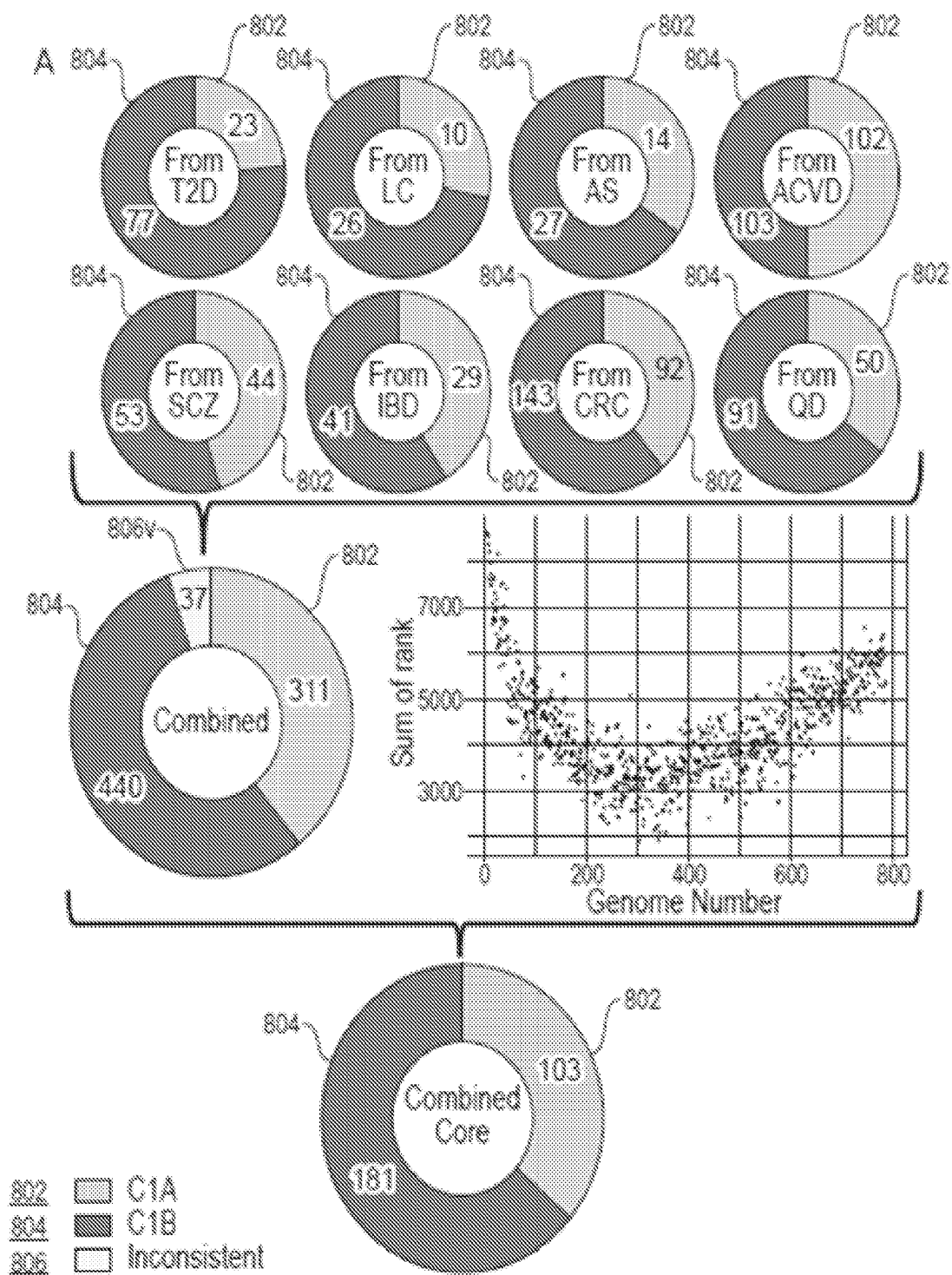


FIG. 8A

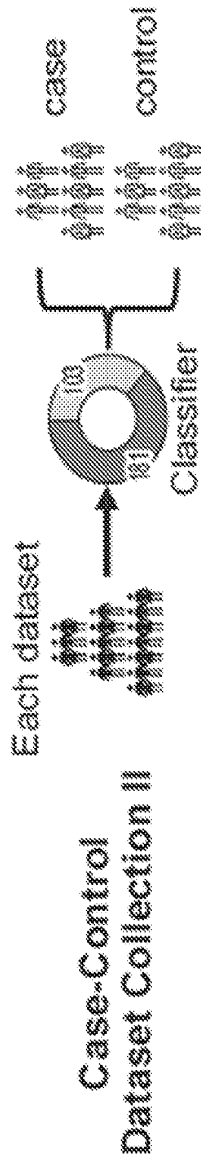


FIG. 8B1

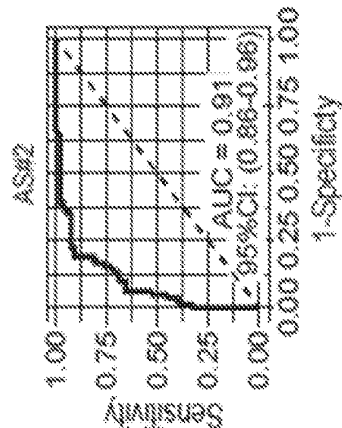


FIG. 8B2

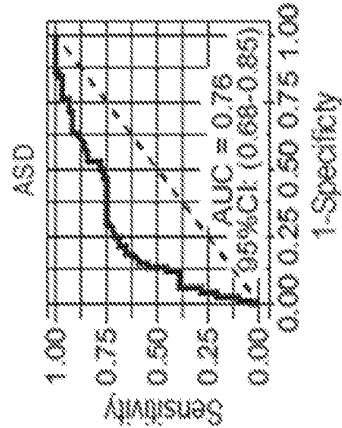


FIG. 8B3

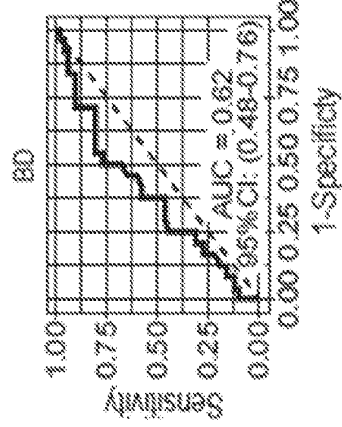


FIG. 8B4

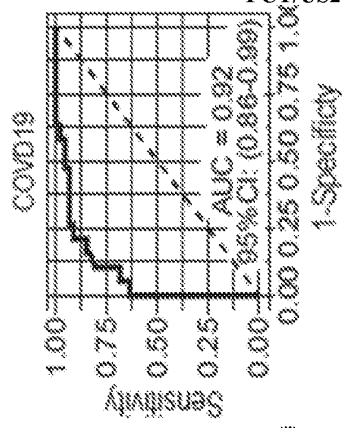


FIG. 8B5

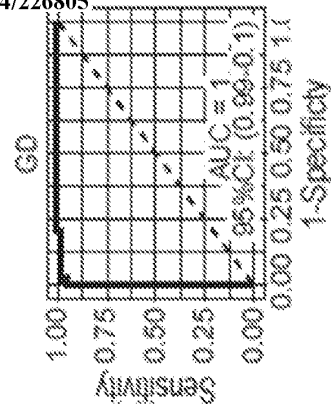


FIG. 8B9

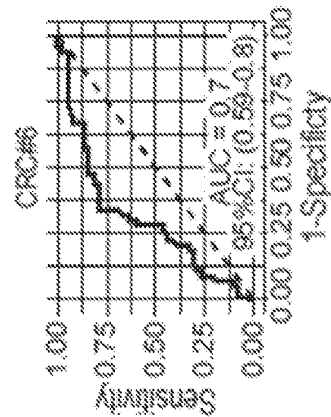


FIG. 8B8

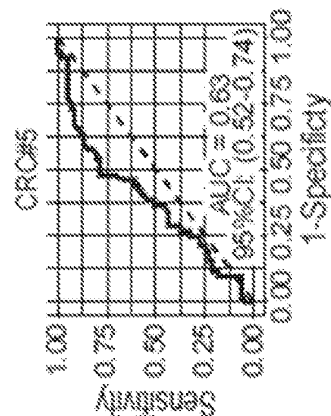


FIG. 8B7

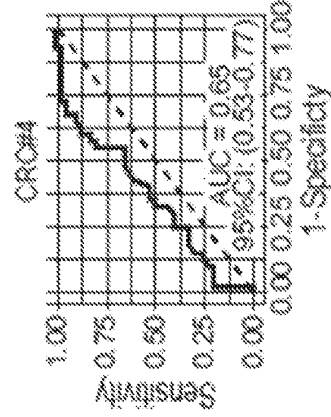


FIG. 8B6

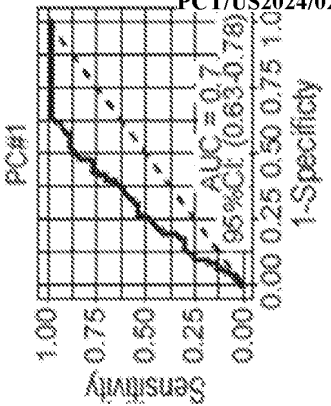


FIG. 8B13

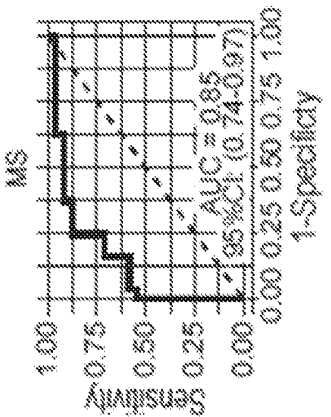


FIG. 8B12

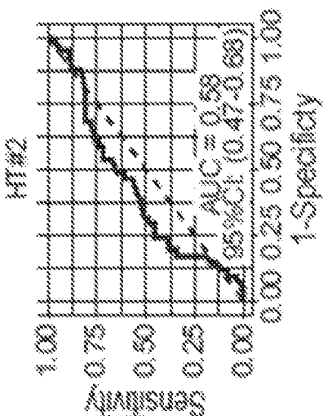


FIG. 8B11

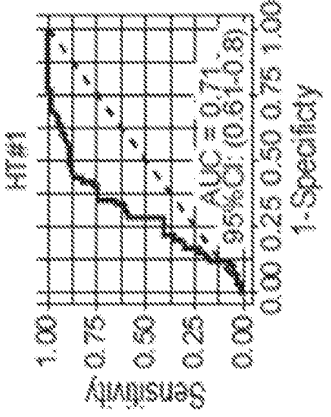


FIG. 8B10

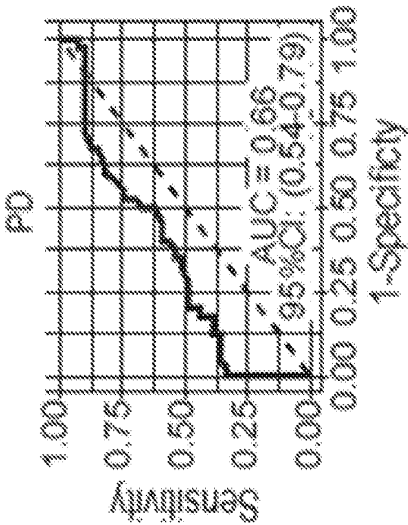


FIG. 8B14

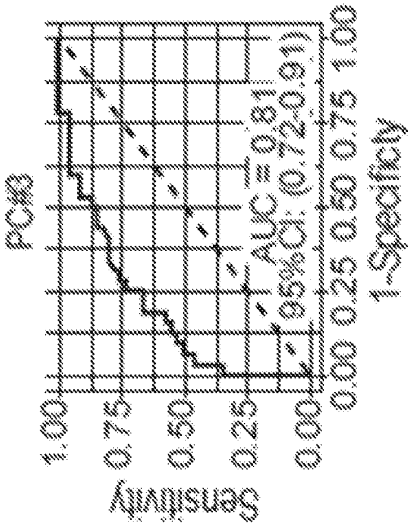


FIG. 8B15

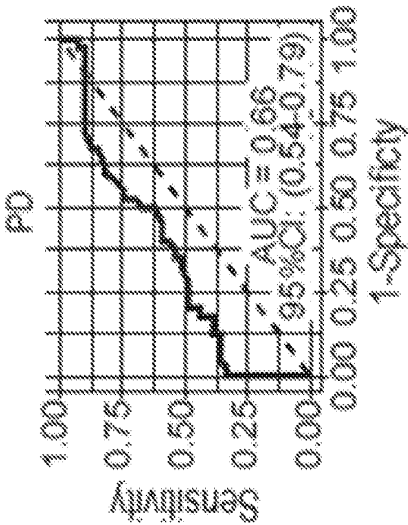


FIG. 8B16

Treatment Dataset Collection

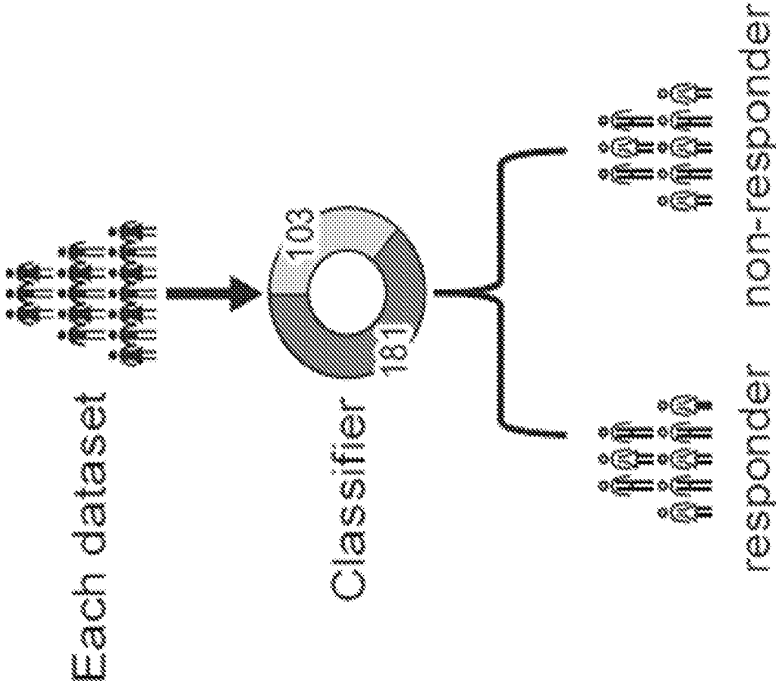


FIG. 8C1

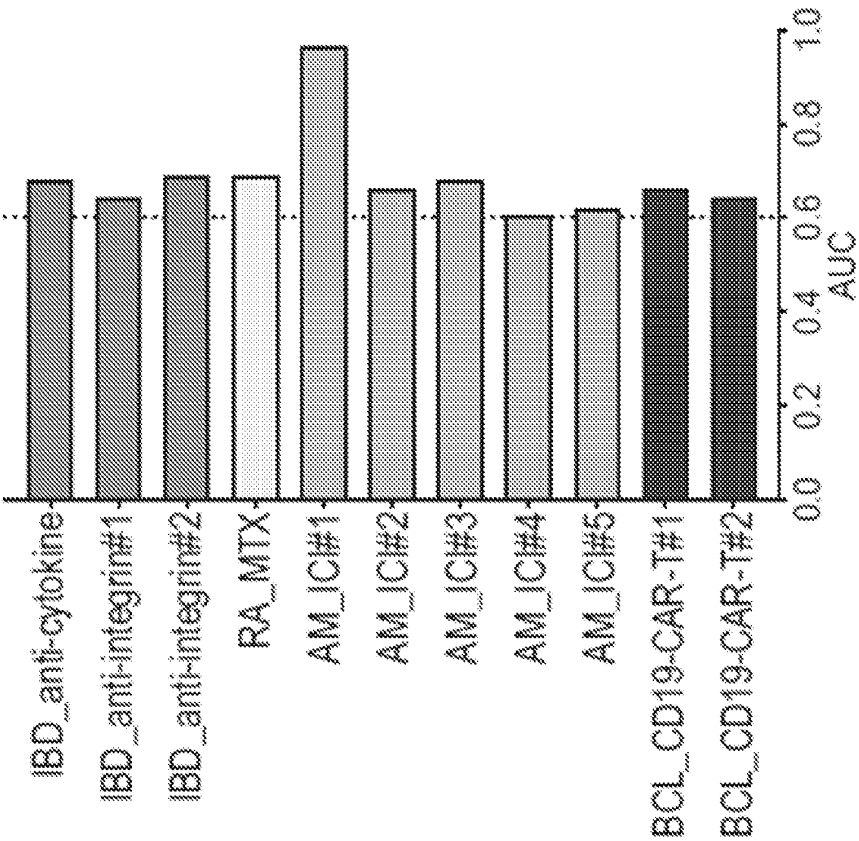


FIG. 8C2

Colorectal Cancer

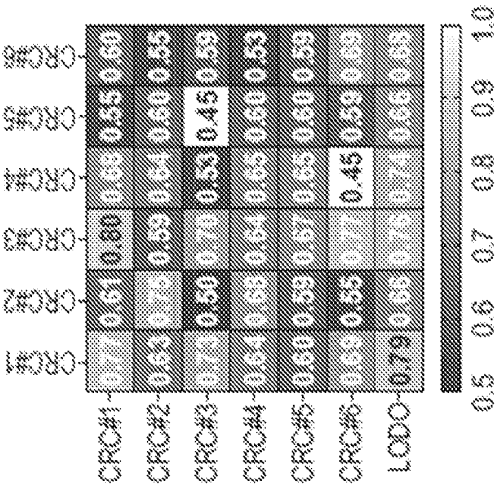


FIG. 9A

Inflammatory Bowel Diseases

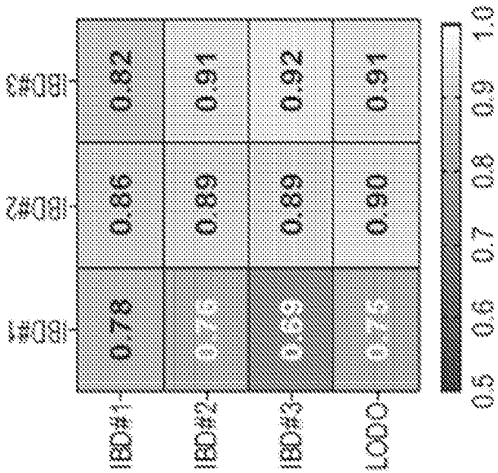


FIG. 9B

Pancreatic Cancer

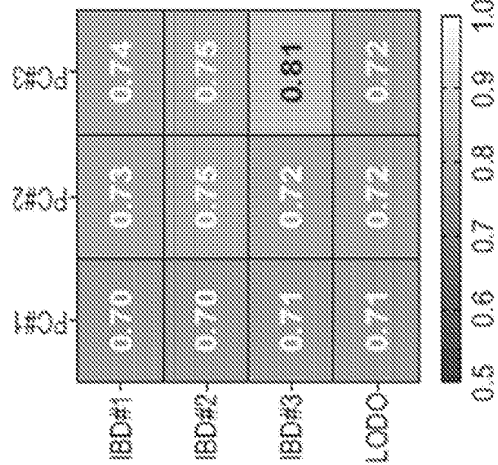


FIG. 9C

Inflammation Bowel Diseases
Anti-cytokine/Anti-antigen treatment

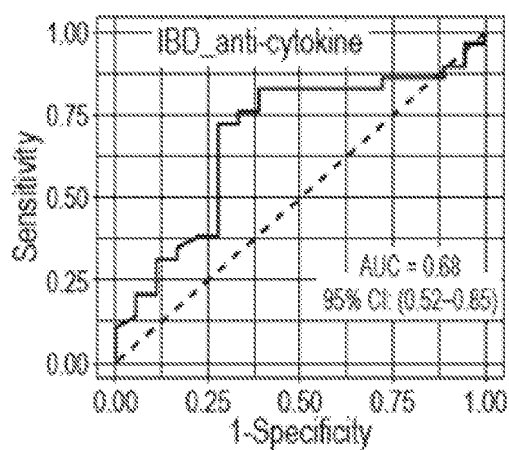


FIG. 10A1

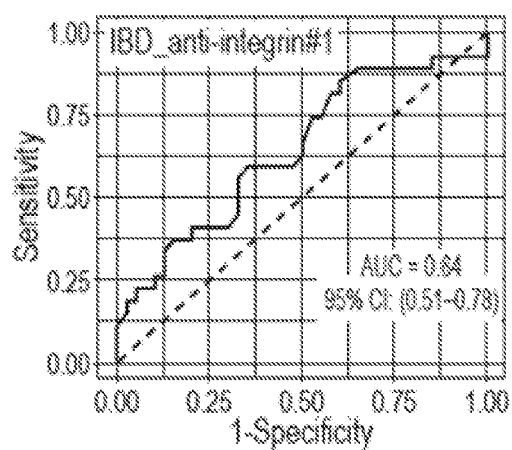


FIG. 10A2

Rheumatoid Arthritis
Methotrexate treatment

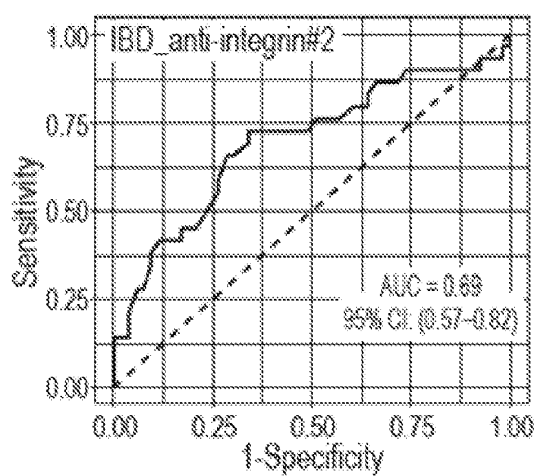


FIG. 10B1

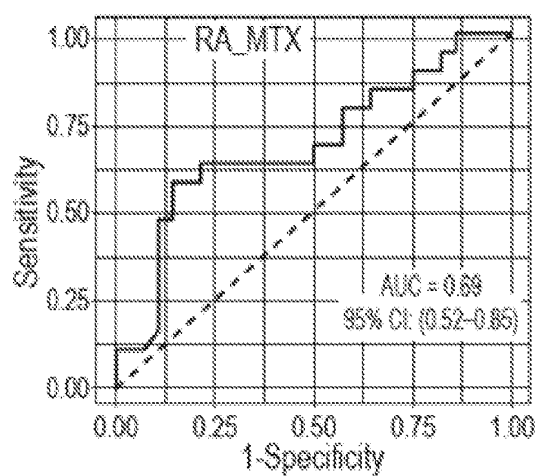


FIG. 10B2

Advanced Melanoma
Immune checkpoint inhibitor treatment

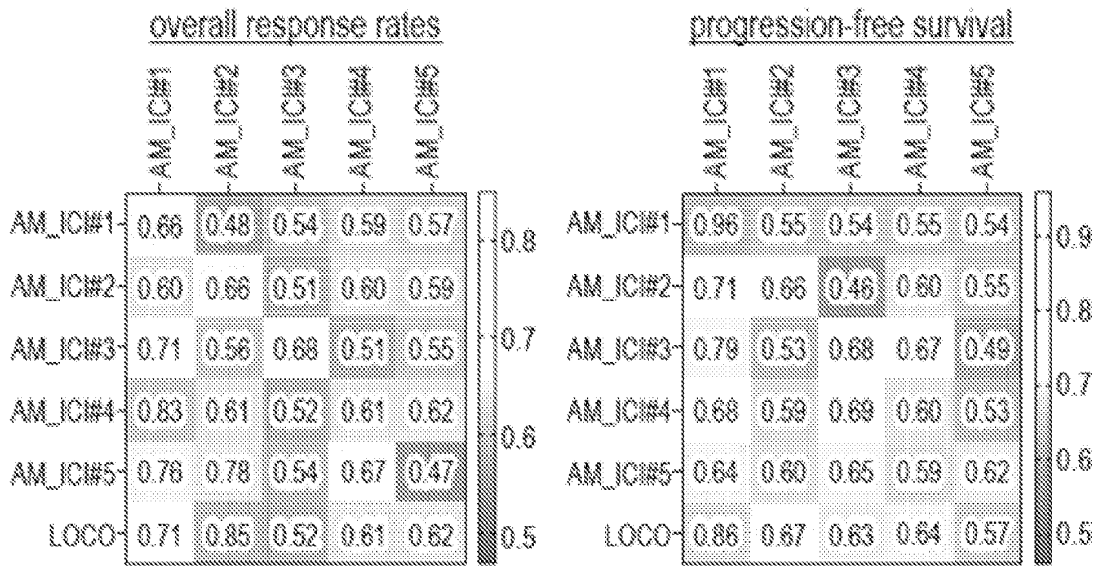


FIG. 10C1

FIG. 10C2

B cell lymphoma
CD19-CAR-T cell cancer immunotherapy

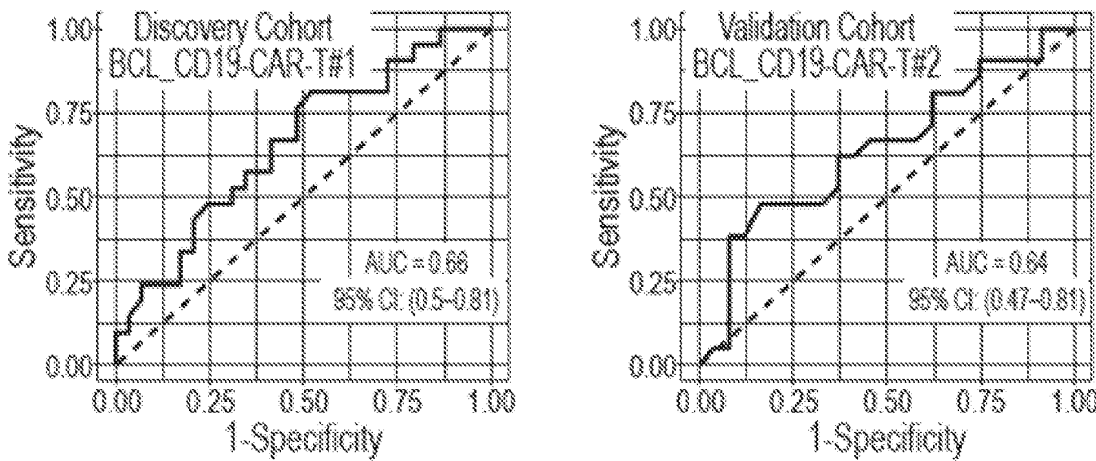


FIG. 10D1

FIG. 10D2

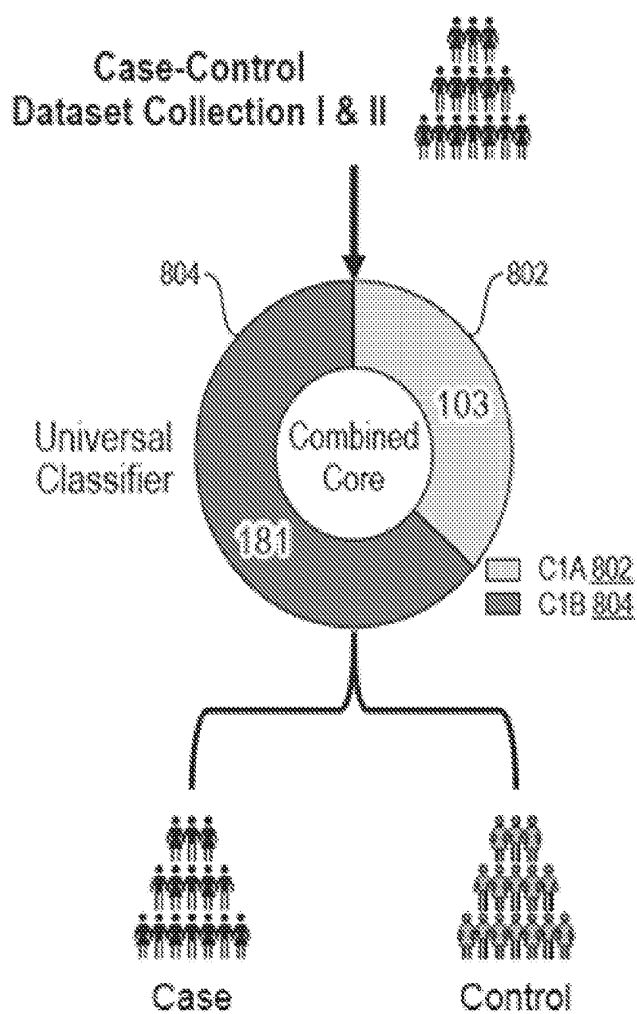


FIG. 11A

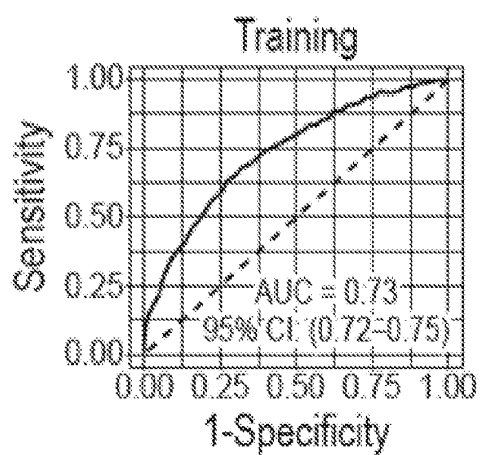


FIG. 11B1

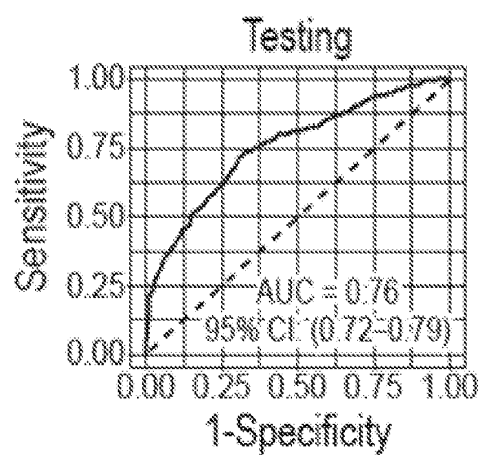


FIG. 11B2

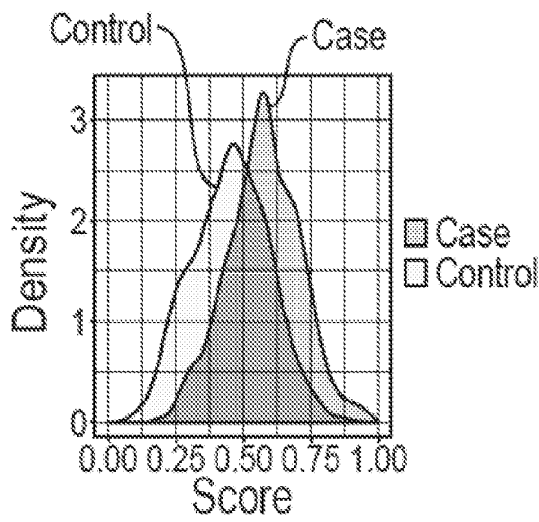


FIG. 11C1

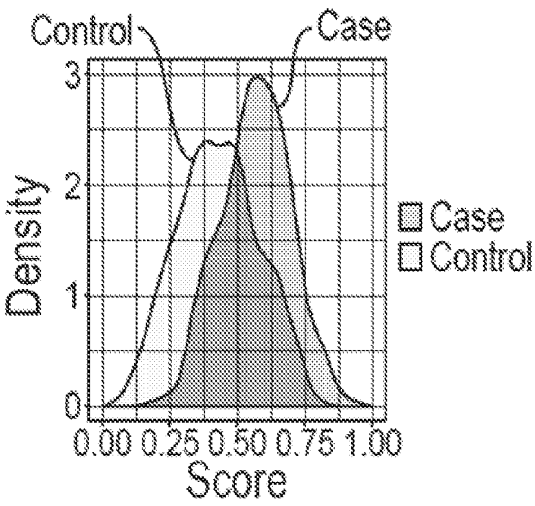


FIG. 11C2

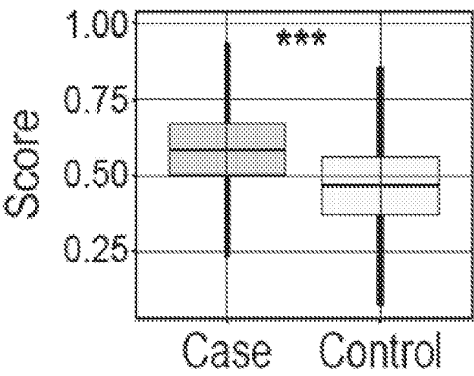


FIG. 11C1

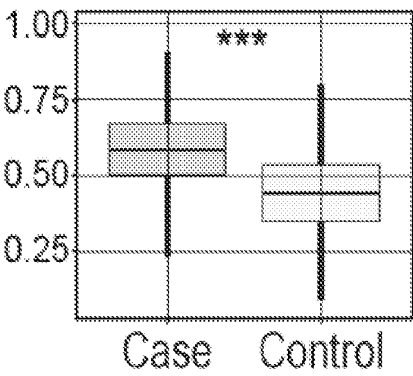


FIG. 11C2

Sequence Range of Contigs for Organism		Organism		Sequence Range of Contigs for Organism		Organism		Sequence Range of Contigs for Organism		Organism	
1U001.8	SEQ ID NO: 1	to	SEQ ID NO: 68	1W071.30	SEQ ID NO: 4066	to	SEQ ID NO: 4168	1W071.47	SEQ ID NO: 4169	to	SEQ ID NO: 4243
1U002.41	SEQ ID NO: 69	to	SEQ ID NO: 145	1W071.47	SEQ ID NO: 4169	to	SEQ ID NO: 4243	1W072.11	SEQ ID NO: 4244	to	SEQ ID NO: 4354
1U002.48	SEQ ID NO: 146	to	SEQ ID NO: 354	1W072.11	SEQ ID NO: 4244	to	SEQ ID NO: 4354	1W075.14	SEQ ID NO: 4355	to	SEQ ID NO: 4379
1U003.28	SEQ ID NO: 355	to	SEQ ID NO: 422	1W075.14	SEQ ID NO: 4355	to	SEQ ID NO: 4379	1W078.21	SEQ ID NO: 4380	to	SEQ ID NO: 4399
1U009.16	SEQ ID NO: 423	to	SEQ ID NO: 466	1W078.21	SEQ ID NO: 4380	to	SEQ ID NO: 4399	1W079.48	SEQ ID NO: 4400	to	SEQ ID NO: 4477
1U014.38	SEQ ID NO: 467	to	SEQ ID NO: 496	1W079.48	SEQ ID NO: 4400	to	SEQ ID NO: 4477	1W080.50	SEQ ID NO: 4478	to	SEQ ID NO: 4627
1U015.20	SEQ ID NO: 497	to	SEQ ID NO: 550	1W080.50	SEQ ID NO: 4478	to	SEQ ID NO: 4627	2U001.12	SEQ ID NO: 4628	to	SEQ ID NO: 4747
1U017.16	SEQ ID NO: 551	to	SEQ ID NO: 597	2U001.12	SEQ ID NO: 4628	to	SEQ ID NO: 4747	2U001.17	SEQ ID NO: 4748	to	SEQ ID NO: 4851
1U017.25	SEQ ID NO: 598	to	SEQ ID NO: 645	2U001.17	SEQ ID NO: 4748	to	SEQ ID NO: 4851	2U004.52	SEQ ID NO: 4852	to	SEQ ID NO: 4945
1U021.14	SEQ ID NO: 646	to	SEQ ID NO: 752	2U004.52	SEQ ID NO: 4852	to	SEQ ID NO: 4945	2U008.16	SEQ ID NO: 4946	to	SEQ ID NO: 4972
1U024.11	SEQ ID NO: 753	to	SEQ ID NO: 854	2U008.16	SEQ ID NO: 4946	to	SEQ ID NO: 4972	2U033.18	SEQ ID NO: 4973	to	SEQ ID NO: 5323
1U027.33	SEQ ID NO: 855	to	SEQ ID NO: 938	2U033.18	SEQ ID NO: 4973	to	SEQ ID NO: 5323	2U037.14	SEQ ID NO: 5324	to	SEQ ID NO: 5422
1U030.25	SEQ ID NO: 939	to	SEQ ID NO: 973	2U037.14	SEQ ID NO: 5324	to	SEQ ID NO: 5422	2U037.18	SEQ ID NO: 5423	to	SEQ ID NO: 5499
1U030.5	SEQ ID NO: 974	to	SEQ ID NO: 1017	2U038.12	SEQ ID NO: 5423	to	SEQ ID NO: 5499	2U038.12	SEQ ID NO: 5500	to	SEQ ID NO: 5538
1U035.49	SEQ ID NO: 1018	to	SEQ ID NO: 1120	2U038.12	SEQ ID NO: 5500	to	SEQ ID NO: 5538	2U038.5	SEQ ID NO: 5539	to	SEQ ID NO: 5603
1U035.55	SEQ ID NO: 1121	to	SEQ ID NO: 1169	2U038.5	SEQ ID NO: 5539	to	SEQ ID NO: 5603	2U001.17	SEQ ID NO: 5604	to	SEQ ID NO: 5812
1U036.17	SEQ ID NO: 1170	to	SEQ ID NO: 1217	2U001.17	SEQ ID NO: 5604	to	SEQ ID NO: 5812	2U001.22	SEQ ID NO: 5813	to	SEQ ID NO: 5890
1U036.46	SEQ ID NO: 1218	to	SEQ ID NO: 1275	2U001.22	SEQ ID NO: 5813	to	SEQ ID NO: 5890	2U002.29	SEQ ID NO: 5891	to	SEQ ID NO: 6171
1U036.9	SEQ ID NO: 1276	to	SEQ ID NO: 1319	2U002.29	SEQ ID NO: 5891	to	SEQ ID NO: 6171	2U002.42	SEQ ID NO: 6172	to	SEQ ID NO: 6221
1U038.18	SEQ ID NO: 1320	to	SEQ ID NO: 1425	2U002.42	SEQ ID NO: 6172	to	SEQ ID NO: 6221	2U004.25	SEQ ID NO: 6222	to	SEQ ID NO: 6304
1U038.6	SEQ ID NO: 1426	to	SEQ ID NO: 1457	2U004.25	SEQ ID NO: 6222	to	SEQ ID NO: 6304	2U005.9	SEQ ID NO: 6305	to	SEQ ID NO: 6351
1W001.34	SEQ ID NO: 1458	to	SEQ ID NO: 1517	2U005.9	SEQ ID NO: 6305	to	SEQ ID NO: 6351	2W007.23	SEQ ID NO: 6352	to	SEQ ID NO: 6414
1W006.13	SEQ ID NO: 1518	to	SEQ ID NO: 1547	2W007.23	SEQ ID NO: 6352	to	SEQ ID NO: 6414	2W009.30	SEQ ID NO: 6415	to	SEQ ID NO: 6534
1W011.28	SEQ ID NO: 1548	to	SEQ ID NO: 1716	2W009.30	SEQ ID NO: 6415	to	SEQ ID NO: 6534	2W011.21	SEQ ID NO: 6535	to	SEQ ID NO: 6691
1W012.66	SEQ ID NO: 1717	to	SEQ ID NO: 1817	2W011.21	SEQ ID NO: 6535	to	SEQ ID NO: 6691	2W023.30	SEQ ID NO: 6692	to	SEQ ID NO: 6738
1W023.15	SEQ ID NO: 1818	to	SEQ ID NO: 1857	2W023.30	SEQ ID NO: 6692	to	SEQ ID NO: 6738	2W025.8	SEQ ID NO: 6739	to	SEQ ID NO: 7001
1W023.20	SEQ ID NO: 1858	to	SEQ ID NO: 1922	2W025.8	SEQ ID NO: 6739	to	SEQ ID NO: 7001	2W026.44	SEQ ID NO: 7002	to	SEQ ID NO: 7034
1W026.10	SEQ ID NO: 1923	to	SEQ ID NO: 1972	2W026.44	SEQ ID NO: 7002	to	SEQ ID NO: 7034	2W027.13	SEQ ID NO: 7035	to	SEQ ID NO: 7169
1W032.17	SEQ ID NO: 1973	to	SEQ ID NO: 2019	2W027.13	SEQ ID NO: 7035	to	SEQ ID NO: 7169	2W027.27	SEQ ID NO: 7170	to	SEQ ID NO: 7198
1W032.19	SEQ ID NO: 2020	to	SEQ ID NO: 2178	2W027.27	SEQ ID NO: 7170	to	SEQ ID NO: 7198	2W029.13	SEQ ID NO: 7199	to	SEQ ID NO: 7270
1W033.3	SEQ ID NO: 2179	to	SEQ ID NO: 2290	2W029.13	SEQ ID NO: 7199	to	SEQ ID NO: 7270	2W034.32	SEQ ID NO: 7271	to	SEQ ID NO: 7324
1W033.9	SEQ ID NO: 2291	to	SEQ ID NO: 2434	2W034.32	SEQ ID NO: 7271	to	SEQ ID NO: 7324	2W037.10	SEQ ID NO: 7325	to	SEQ ID NO: 7368
1W036.28	SEQ ID NO: 2435	to	SEQ ID NO: 2747	2W037.10	SEQ ID NO: 7325	to	SEQ ID NO: 7368	2W043.20	SEQ ID NO: 7369	to	SEQ ID NO: 7516
1W037.25	SEQ ID NO: 2748	to	SEQ ID NO: 2800	2W043.20	SEQ ID NO: 7369	to	SEQ ID NO: 7516	2W048.49	SEQ ID NO: 7517	to	SEQ ID NO: 7615
1W038.31	SEQ ID NO: 2801	to	SEQ ID NO: 2883	2W048.49	SEQ ID NO: 7517	to	SEQ ID NO: 7615	2W050.17	SEQ ID NO: 7616	to	SEQ ID NO: 7684
1W042.8	SEQ ID NO: 2884	to	SEQ ID NO: 2935	2W050.17	SEQ ID NO: 7616	to	SEQ ID NO: 7684	2W053.46	SEQ ID NO: 7685	to	SEQ ID NO: 7812
1W059.36	SEQ ID NO: 2936	to	SEQ ID NO: 2986	2W053.46	SEQ ID NO: 7685	to	SEQ ID NO: 7812	2W062.21	SEQ ID NO: 7813	to	SEQ ID NO: 7902
1W062.68	SEQ ID NO: 2987	to	SEQ ID NO: 3048	2W062.21	SEQ ID NO: 7813	to	SEQ ID NO: 7902	2W064.32	SEQ ID NO: 7903	to	SEQ ID NO: 8116
1W065.34	SEQ ID NO: 3049	to	SEQ ID NO: 3211	2W064.32	SEQ ID NO: 7903	to	SEQ ID NO: 8116	2W065.60	SEQ ID NO: 8117	to	SEQ ID NO: 8358
1W070.8	SEQ ID NO: 3212	to	SEQ ID NO: 3259	2W065.60	SEQ ID NO: 8117	to	SEQ ID NO: 8358	2W067.16	SEQ ID NO: 8359	to	SEQ ID NO: 8475
1W071.19	SEQ ID NO: 3260	to	SEQ ID NO: 3358	2W067.16	SEQ ID NO: 8359	to	SEQ ID NO: 8475		SEQ ID NO: 8476	to	SEQ ID NO: 8644
	SEQ ID NO: 3359	to	SEQ ID NO: 3391		SEQ ID NO: 8476	to	SEQ ID NO: 8644		SEQ ID NO: 8645	to	SEQ ID NO: 8836
	SEQ ID NO: 3392	to	SEQ ID NO: 3510		SEQ ID NO: 8645	to	SEQ ID NO: 8836		SEQ ID NO: 8837	to	SEQ ID NO: 8964
	SEQ ID NO: 3511	to	SEQ ID NO: 3991		SEQ ID NO: 8837	to	SEQ ID NO: 8964				
	SEQ ID NO: 3992	to	SEQ ID NO: 4065								

FIG. 12A

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>	<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>
2W073.18	8965 to 9126	ERR1018197.5	12743 to 12775
2W073.55	9127 to 9276	ERR1018197.9	12775 to 12848
2W074.14	9277 to 9326	ERR1018198.10	12848 to 12913
2W080.51	9327 to 9392	ERR1018198.9	12913 to 12985
2W080.58	9393 to 9475	ERR1018200.11	12985 to 13089
3W005.26	9476 to 9582	ERR1018200.15	13089 to 13164
3U007.7	9583 to 9624	ERR1018200.4	13164 to 13354
3U010.20	9625 to 9718	ERR1018204.1	13354 to 13455
3U020.14	9719 to 9879	ERR1018206.8	13455 to 13632
3U023.7	9880 to 10024	ERR1018210.9	13632 to 13674
3U024.38	10025 to 10044	ERR1018212.11	13674 to 13871
3U033.37	10045 to 10086	ERR1018213.10	13871 to 13922
3U038.19	10087 to 10144	ERR1018213.6	13922 to 14091
3U040.11	10145 to 10209	ERR1018213.7	14091 to 14451
3W002.16	10210 to 10262	ERR1018217.15	14451 to 14535
3W015.22	10263 to 10302	ERR1018218.4	14535 to 14630
3W023.3	10303 to 10415	ERR1018219.12	14630 to 14688
3W028.33	10416 to 10446	ERR1018219.9	14688 to 14975
3W039.10	10447 to 10486	ERR1018223.9	14975 to 15131
3W042.11	10487 to 10550	ERR1018226.10	15131 to 15202
3W048.18	10551 to 10615	ERR1018229.14	15202 to 15375
3W049.14	10616 to 10680	ERR1018230.10	15375 to 15417
3W052.32	10681 to 10779	ERR1018232.13	15417 to 15615
3W054.11	10780 to 10850	ERR1018232.6	15615 to 15743
3W055.19	10851 to 10886	ERR1018233.3	15743 to 15819
3W062.32	10887 to 10965	ERR1018237.9	15819 to 15940
3W067.18	10966 to 11045	ERR1018238.17	15940 to 16022
3W072.38	11046 to 11118	ERR1018239.3	16022 to 16186
3W073.49	11119 to 11166	ERR1018241.8	16186 to 16309
3W074.2	11167 to 11234	ERR1018244.15	16309 to 16627
3W079.9	11235 to 11274	ERR1018244.21	16627 to 16677
3W080.19	11275 to 11290	ERR1018246.17	16677 to 16875
3W080.64	11291 to 11355	ERR1018249.8	16875 to 17043
CSM79HP4.3	11356 to 11441	ERR1018250.9	17043 to 17180
ERR1018185.1	11441 to 11527	ERR1018252.14	17180 to 17407
ERR1018186.12	11528 to 11654	ERR1018258.16	17407 to 17785
ERR1018187.16	11655 to 11794	ERR1018258.4	17785 to 17868
ERR1018187.4	11795 to 11858	ERR1018262.5	17868 to 17990
ERR1018188.11	11859 to 11957	ERR1018263.10	17990 to 18134
ERR1018189.10	11958 to 12097	ERR1018266.13	18134 to 18212
ERR1018191.1	12098 to 12174	ERR1018266.2	18212 to 18392
ERR1018192.1	12175 to 12353	ERR1018267.4	18392 to 18566
ERR1018192.4	12354 to 12393	ERR1018275.8	18566 to 18683
ERR1018192.8	12394 to 12742		18683 to 18867
ERR1018196.11			18867 to 18940

FIG. 12B

Organism	Sequence Range of Contigs for Organism	Sequence Range of Contigs for Organism	Organism	Sequence Range of Contigs for Organism
ERR1018277.9	18941	19020	ERR2017539.14	25237
ERR1018278.5	19021	19322	ERR2017540.1	25560
ERR1018279.5	19323	19497	ERR2017541.4	25608
ERR1018280.11	19498	19581	ERR2017543.5	25667
ERR1018280.4	19582	19861	ERR2017548.1	25784
ERR1018282.12	19862	19968	ERR2017548.14	26052
ERR1018282.14	19969	20108	ERR2017549.11	26233
ERR1018283.10	20109	20146	ERR2017549.13	26376
ERR1018284.8	20147	20201	ERR2017552.10	26466
ERR1018287.4	20202	20264	ERR2017552.8	26567
ERR1018290.2	20265	20378	ERR2017555.15	26662
ERR1018291.11	20379	20473	ERR2017555.18	26808
ERR1018292.2	20474	20592	ERR2017555.23	26951
ERR1018292.4	20593	20684	ERR2017563.14	27088
ERR1018293.1	20685	20834	ERR2017568.21	27234
ERR1018298.1	20835	20912	ERR2017568.4	27488
ERR1018301.12	20913	21021	ERR2017569.2	27612
ERR1018302.1	21022	21428	ERR2017569.9	27737
ERR1018305.11	21429	21547	ERR2017573.1	27789
ERR1018308.3	21548	21662	ERR2017573.11	27857
ERR1018309.23	21663	21722	ERR2017574.1	28058
ERR1018309.8	21723	21827	ERR2017577.6	28120
ERR2017412.6	21828	21911	ERR2017581.15	28207
ERR2017416.7	21912	22105	ERR2017584.10	28283
ERR2017428.1	22106	22221	ERR2017584.6	28305
ERR2017429.2	22222	22363	ERR2017584.15	28443
ERR2017430.1	22364	22558	ERR2017586.17	28561
ERR2017433.5	22559	22846	ERR2017586.7	28700
ERR2017440.3	22847	23001	ERR2017589.12	28797
ERR2017443.11	23002	23133	ERR2017589.13	28992
ERR2017460.9	23134	23271	ERR2017595.12	29130
ERR2017469.2	23272	23446	ERR2017595.7	29281
ERR2017471.8	23447	23726	ERR2017596.4	29428
ERR2017472.1	23727	23867	ERR2017596.7	29457
ERR2017473.2	23868	24329	ERR2017596.10	29522
ERR2017495.6	24327	24419	ERR2017600.13	29686
ERR2017500.4	24420	24631	ERR2017601.3	29875
ERR2017517.1	24632	24746	ERR2017605.6	30046
ERR2017518.17	24747	24857	ERR2017608.6	30095
ERR2017522.10	24858	24922	ERR2017609.5	30223
ERR2017524.6	24923	25074	ERR2017610.8	30352
ERR2017529.10	25075	25173	ERR2017611.4	30418
ERR2017529.14	25174	25236	ERR2017615.4	30482
ERR2017538.19	25237			30788

FIG. 12C

Organism	Sequence Range of Contigs for Organism	Organism	Sequence Range of Contigs for Organism
ERR2017617	4	ERR2017682	10
ERR2017618	2	ERR2017683	9
ERR2017619	4	ERR2017685	12
ERR2017620	7	ERR2017687	14
ERR2017621	3	ERR2017688	1
ERR2017622	5	ERR2017693	21
ERR2017623	10	ERR2017694	4
ERR2017624	8	ERR2017696	13
ERR2017625	12	ERR2017698	8
ERR2017626	15	ERR2017699	13
ERR2017627	1	ERR2017700	1
ERR2017628	17	ERR2017701	1
ERR2017629	10	ERR2017702	9
ERR2017630	12	ERR2017703	5
ERR2017631	1	ERR2017705	14
ERR2017632	1	ERR2017706	11
ERR2017633	13	ERR2017708	1
ERR2017634	1	ERR2017709	5
ERR2017635	1	ERR2017711	13
ERR2017636	1	ERR2017712	3
ERR2017637	1	ERR2017714	15
ERR2017638	1	ERR2017716	3
ERR2017639	1	ERR2017717	6
ERR2017640	1	ERR2017718	14
ERR2017641	1	ERR2017720	1
ERR2017642	1	ERR2017722	10
ERR2017643	1	ERR2017727	9
ERR2017644	1	ERR2017729	22
ERR2017645	1	ERR2017730	15
ERR2017646	1	ERR2017732	2
ERR2017647	1	ERR2017733	1
ERR2017648	1	ERR2017734	1
ERR2017649	1	ERR2017735	12
ERR2017650	1	ERR2017736	11
ERR2017651	1	ERR2017737	1
ERR2017652	1	ERR2017738	1
ERR2017653	1	ERR2017739	1
ERR2017654	1	ERR2017740	16
ERR2017655	1	ERR2017741	2
ERR2017656	1	ERR2017742	15
ERR2017657	1	ERR2017744	2
ERR2017658	1	ERR2017747	1
ERR2017659	1	ERR2017748	1
ERR2017660	1	ERR2017749	1
ERR2017661	1	ERR2017750	1
ERR2017662	1	ERR2017751	1
ERR2017663	1	ERR2017752	1
ERR2017664	1	ERR2017753	1
ERR2017665	1	ERR2017754	1
ERR2017666	1	ERR2017755	1
ERR2017667	1	ERR2017756	1
ERR2017668	1	ERR2017757	1
ERR2017669	1	ERR2017758	1
ERR2017670	1	ERR2017759	1
ERR2017671	1	ERR2017760	1
ERR2017672	1	ERR2017761	1
ERR2017673	1	ERR2017762	1
ERR2017674	1	ERR2017763	1
ERR2017675	1	ERR2017764	1
ERR2017676	1	ERR2017765	1
ERR2017677	1	ERR2017766	1
ERR2017678	1	ERR2017767	1
ERR2017679	1	ERR2017768	1
ERR2017680	1	ERR2017769	1
ERR2017681	1	ERR2017770	1
ERR2017682	1	ERR2017771	1
ERR2017683	1	ERR2017772	1
ERR2017684	1	ERR2017773	1
ERR2017685	1	ERR2017774	1
ERR2017686	1	ERR2017775	1
ERR2017687	1	ERR2017776	1
ERR2017688	1	ERR2017777	1
ERR2017689	1	ERR2017778	1
ERR2017690	1	ERR2017779	1
ERR2017691	1	ERR2017780	1
ERR2017692	1	ERR2017781	1
ERR2017693	1	ERR2017782	1
ERR2017694	1	ERR2017783	1
ERR2017695	1	ERR2017784	1
ERR2017696	1	ERR2017785	1
ERR2017697	1	ERR2017786	1
ERR2017698	1	ERR2017787	1
ERR2017699	1	ERR2017788	1
ERR2017700	1	ERR2017789	1
ERR2017701	1	ERR2017790	1
ERR2017702	1	ERR2017791	1
ERR2017703	1	ERR2017792	1
ERR2017704	1	ERR2017793	1
ERR2017705	1	ERR2017794	1
ERR2017706	1	ERR2017795	1
ERR2017707	1	ERR2017796	1
ERR2017708	1	ERR2017797	1
ERR2017709	1	ERR2017798	1
ERR2017710	1	ERR2017799	1
ERR2017711	1	ERR2017800	1
ERR2017712	1	ERR2017801	1
ERR2017713	1	ERR2017802	1
ERR2017714	1	ERR2017803	1
ERR2017715	1	ERR2017804	1
ERR2017716	1	ERR2017805	1
ERR2017717	1	ERR2017806	1
ERR2017718	1	ERR2017807	1
ERR2017719	1	ERR2017808	1
ERR2017720	1	ERR2017809	1
ERR2017721	1	ERR2017810	1
ERR2017722	1	ERR2017811	1
ERR2017723	1	ERR2017812	1
ERR2017724	1	ERR2017813	1
ERR2017725	1	ERR2017814	1
ERR2017726	1	ERR2017815	1
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ERR2017740	1	ERR2017829	1
ERR2017741	1	ERR2017830	1
ERR2017742	1	ERR2017831	1
ERR2017743	1	ERR2017832	1
ERR2017744	1	ERR2017833	1
ERR2017745	1	ERR2017834	1
ERR2017746	1	ERR2017835	1
ERR2017747	1	ERR2017836	1
ERR2017748	1	ERR2017837	1
ERR2017749	1	ERR2017838	1
ERR2017750	1	ERR2017839	1
ERR2017751	1	ERR2017840	1
ERR2017752	1	ERR2017841	1
ERR2017753	1	ERR2017842	1
ERR2017754	1	ERR2017843	1
ERR2017755	1	ERR2017844	1
ERR2017756	1	ERR2017845	1
ERR2017757	1	ERR2017846	1
ERR2017758	1	ERR2017847	1
ERR2017759	1	ERR2017848	1
ERR2017760	1	ERR2017849	1
ERR2017761	1	ERR2017850	1
ERR2017762	1	ERR2017851	1
ERR2017763	1	ERR2017852	1
ERR2017764	1	ERR2017853	1
ERR2017765	1	ERR2017854	1
ERR2017766	1	ERR2017855	1
ERR2017767	1	ERR2017856	1
ERR2017768	1	ERR2017857	1
ERR2017769	1	ERR2017858	1
ERR2017770	1	ERR2017859	1
ERR2017771	1	ERR2017860	1
ERR2017772	1	ERR2017861	1
ERR2017773	1	ERR2017862	1
ERR2017774	1	ERR2017863	1
ERR2017775	1	ERR2017864	1
ERR2017776	1	ERR2017865	1
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ERR2017778	1	ERR2017867	1
ERR2017779	1	ERR2017868	1
ERR2017780	1	ERR2017869	1
ERR2017781	1	ERR2017870	1
ERR2017782	1	ERR2017871	1
ERR2017783	1	ERR2017872	1
ERR2017784	1	ERR2017873	1
ERR2017785	1	ERR2017874	1
ERR2017786	1	ERR2017875	1
ERR2017787	1	ERR2017876	1
ERR2017788	1	ERR2017877	1
ERR2017789	1	ERR2017878	1
ERR2017790	1	ERR2017879	1
ERR2017791	1	ERR2017880	1
ERR2017792	1	ERR2017881	1
ERR2017793	1	ERR2017882	1
ERR2017794	1	ERR2017883	1
ERR2017795	1	ERR2017884	1
ERR2017796	1	ERR2017885	1
ERR2017797	1	ERR2017886	1
ERR2017798	1	ERR2017887	1
ERR2017799	1	ERR2017888	1
ERR2017800	1	ERR2017889	1
ERR2017801	1	ERR2017890	1
ERR2017802	1	ERR2017891	1
ERR2017803	1	ERR2017892	1
ERR2017804	1	ERR2017893	1
ERR2017805	1	ERR2017894	1
ERR2017806	1	ERR2017895	1
ERR2017807	1	ERR2017896	1
ERR2017808	1	ERR2017897	1
ERR2017809	1	ERR2017898	1
ERR2017810	1	ERR2017899	1
ERR2017811	1	ERR2017900	1
ERR2017812	1	ERR2017901	1
ERR2017813	1	ERR2017902	1
ERR2017814	1	ERR2017903	1
ERR2017815	1	ERR2017904	1
ERR2017816	1	ERR2017905	1
ERR2017817	1	ERR2017906	1
ERR2017818	1	ERR2017907	1
ERR2017819	1	ERR2017908	1
ERR2017820	1	ERR2017909	1
ERR2017821	1	ERR2017910	1
ERR2017822	1	ERR2017911	1
ERR2017823	1	ERR2017912	1
ERR2017824	1	ERR2017913	1
ERR2017825	1	ERR2017914	1
ERR2017826	1	ERR2017915	1
ERR2017827	1	ERR2017916	1
ERR2017828	1	ERR2017917	1
ERR2017829	1	ERR2017918	1
ERR2017830	1	ERR2017919	1
ERR2017831	1	ERR2017920	1
ERR2017832	1	ERR2017921	1
ERR2017833	1	ERR2017922	1
ERR2017834	1	ERR2017923	1
ERR2017835	1	ERR2017924	1
ERR2017836	1	ERR2017925	1
ERR2017837	1	ERR2017926	1
ERR2017838	1	ERR2017927	1
ERR2017839	1	ERR2017928	1
ERR2017840	1	ERR2017929	1
ERR2017841	1	ERR2017930	1
ERR2017842	1	ERR2017931	1
ERR2017843	1	ERR2017932	1
ERR2017844	1	ERR2017933	1
ERR2017845	1	ERR2017934	1
ERR2017846	1	ERR2017935	1
ERR2017847	1	ERR2017936	1
ERR2017848	1	ERR2017937	1
ERR2017849	1	ERR2017938	1
ERR2017850	1	ERR2017939	1
ERR2017851	1	ERR2017940	1
ERR2017852	1	ERR2017941	1
ERR2017853	1	ERR2017942	1
ERR2017854	1	ERR2017943	1
ERR2017855	1	ERR2017944	1
ERR2017856	1	ERR2017945	1
ERR2017857	1	ERR2017946	1
ERR2017858	1	ERR2017947	1
ERR2017859	1	ERR2017948	1
ERR2017860	1	ERR2017949	1
ERR2017861	1	ERR2017950	1
ERR2017862	1	ERR2017951	1
ERR2017863	1	ERR2017952	1
ERR2017864	1	ERR2017953	1
ERR2017865	1	ERR2017954	1
ERR2017866	1	ERR2017955	1
ERR2017867	1	ERR2017956	1
ERR2017868	1	ERR2017957	1
ERR2017869	1	ERR2017958	1
ERR2017870	1	ERR2017959	1
ERR2017871	1	ERR2017960	1
ERR2017872	1	ERR2017961	1
ERR2017873	1	ERR2017962	1
ERR2017874	1	ERR2017963	1
ERR2017875	1	ERR2017964	1
ERR2017876	1	ERR2017965	1
ERR2017877	1	ERR2017966	1
ERR2017878	1	ERR2017967	1
ERR2017879	1	ERR2017968	1
ERR2017880	1	ERR2017969	1
ERR2017881	1	ERR2017970	1
ERR2017882	1	ERR2017971	1
ERR2017883	1	ERR2017972	1
ERR2017884	1	ERR2017973	1
ERR2017885	1	ERR2017974	1
ERR2017886	1	ERR2017975	1
ERR2017887	1	ERR2017976	1
ERR2017888	1	ERR2017977	1
ERR2017889	1	ERR2017978	1
ERR2017890	1	ERR2017979	1
ERR2017891	1	ERR2017980	1
ERR2017892	1	ERR2017981	1
ERR2017893	1	ERR2017982	1
ERR2017894	1	ERR2017983	1
ERR2017895	1	ERR2017984	1
ERR2017896	1	ERR2017985	1
ERR2017897	1	ERR2017986	1
ERR2017898	1	ERR2017987	1
ERR2017899	1	ERR2017988	1
ERR2017900	1	ERR2017989	1
ERR2017901	1	ERR2017990	1
ERR2017902	1	ERR2017991	1
ERR2017903	1	ERR2017992	1
ERR2017904	1	ERR2017993	1
ERR2017905	1	ERR2017994	1
ERR2017906	1	ERR2017995	1
ERR2017907	1	ERR2017996	1
ERR2017908	1	ERR2017997	1
ERR2017909	1	ERR2017998	1
ERR20			

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>			<u>Sequence Range of Contigs for Organism</u>			<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>		
ERR2017742.18	SEQ	ID NO:	40958	to	SEQ	ID NO:	ERR2726493.5	SEQ	ID NO:	48471
ERR2017744.12	SEQ	ID NO:	41088	to	SEQ	ID NO:	ERR2726498.16	SEQ	ID NO:	48503
ERR2017746.14	SEQ	ID NO:	41560	to	SEQ	ID NO:	ERR2726498.24	SEQ	ID NO:	48558
ERR2017747.7	SEQ	ID NO:	41668	to	SEQ	ID NO:	ERR2726500.2	SEQ	ID NO:	48558
ERR2017749.25	SEQ	ID NO:	41668	to	SEQ	ID NO:	ERR2726502.1	SEQ	ID NO:	48621
ERR2017750.12	SEQ	ID NO:	41834	to	SEQ	ID NO:	ERR2726502.18	SEQ	ID NO:	48663
ERR2017750.5	SEQ	ID NO:	42023	to	SEQ	ID NO:	ERR2726512.12	SEQ	ID NO:	48755
ERR2017756.6	SEQ	ID NO:	42110	to	SEQ	ID NO:	ERR2726522.5	SEQ	ID NO:	48756
ERR2017759.6	SEQ	ID NO:	42419	to	SEQ	ID NO:	ERR2726527.4	SEQ	ID NO:	48926
ERR2017771.1	SEQ	ID NO:	42730	to	SEQ	ID NO:	ERR2726527.5	SEQ	ID NO:	48977
ERR2017774.3	SEQ	ID NO:	42967	to	SEQ	ID NO:	ERR2726532.18	SEQ	ID NO:	49173
ERR2017779.7	SEQ	ID NO:	43232	to	SEQ	ID NO:	ERR2855787.12	SEQ	ID NO:	49202
ERR2017781.12	SEQ	ID NO:	43679	to	SEQ	ID NO:	ERR2855788.21	SEQ	ID NO:	49366
ERR2017814.13	SEQ	ID NO:	44032	to	SEQ	ID NO:	ERR2855789.4	SEQ	ID NO:	49494
ERR2726406.14	SEQ	ID NO:	44415	to	SEQ	ID NO:	ERR2855789.6	SEQ	ID NO:	49753
ERR2726406.16	SEQ	ID NO:	44636	to	SEQ	ID NO:	ERR2855790.1	SEQ	ID NO:	49931
ERR2726408.23	SEQ	ID NO:	44848	to	SEQ	ID NO:	ERR2855790.9	SEQ	ID NO:	50011
ERR2726410.2	SEQ	ID NO:	45025	to	SEQ	ID NO:	ERR2855792.6	SEQ	ID NO:	50078
ERR2726411.1	SEQ	ID NO:	45162	to	SEQ	ID NO:	ERR2855795.12	SEQ	ID NO:	50225
ERR2726419.10	SEQ	ID NO:	45255	to	SEQ	ID NO:	ERR2855799.8	SEQ	ID NO:	50308
ERR2726420.13	SEQ	ID NO:	45408	to	SEQ	ID NO:	ERR2855800.13	SEQ	ID NO:	50392
ERR2726422.1	SEQ	ID NO:	45570	to	SEQ	ID NO:	ERR2855802.12	SEQ	ID NO:	50480
ERR2726422.5	SEQ	ID NO:	45660	to	SEQ	ID NO:	ERR2855806.4	SEQ	ID NO:	50615
ERR2726423.2	SEQ	ID NO:	45796	to	SEQ	ID NO:	ERR2855807.1	SEQ	ID NO:	50670
ERR2726427.30	SEQ	ID NO:	45843	to	SEQ	ID NO:	ERR2855808.13	SEQ	ID NO:	50737
ERR2726431.13	SEQ	ID NO:	45901	to	SEQ	ID NO:	ERR2855810.2	SEQ	ID NO:	50888
ERR2726433.15	SEQ	ID NO:	45978	to	SEQ	ID NO:	ERR2855813.15	SEQ	ID NO:	50995
ERR2726433.6	SEQ	ID NO:	46289	to	SEQ	ID NO:	ERR2855814.14	SEQ	ID NO:	51067
ERR2726447.12	SEQ	ID NO:	46387	to	SEQ	ID NO:	ERR2855816.5	SEQ	ID NO:	51153
ERR2726447.19	SEQ	ID NO:	46433	to	SEQ	ID NO:	ERR2855820.10	SEQ	ID NO:	51292
ERR2726447.2	SEQ	ID NO:	46770	to	SEQ	ID NO:	ERR2855821.2	SEQ	ID NO:	51348
ERR2726450.11	SEQ	ID NO:	47157	to	SEQ	ID NO:	ERR2855821.4	SEQ	ID NO:	51624
ERR2726450.6	SEQ	ID NO:	47320	to	SEQ	ID NO:	ERR2855822.31	SEQ	ID NO:	51770
ERR2726451.2	SEQ	ID NO:	47510	to	SEQ	ID NO:	ERR2855822.32	SEQ	ID NO:	51859
ERR2726452.15	SEQ	ID NO:	47569	to	SEQ	ID NO:	ERR2855824.31	SEQ	ID NO:	51967
ERR2726452.5	SEQ	ID NO:	47667	to	SEQ	ID NO:	ERR2855825.1	SEQ	ID NO:	52076
ERR2726453.2	SEQ	ID NO:	47710	to	SEQ	ID NO:	ERR2855827.27	SEQ	ID NO:	52366
ERR2726458.13	SEQ	ID NO:	47756	to	SEQ	ID NO:	ERR2855828.7	SEQ	ID NO:	52548
ERR2726461.15	SEQ	ID NO:	47874	to	SEQ	ID NO:	ERR2855829.8	SEQ	ID NO:	52627
ERR2726474.10	SEQ	ID NO:	48058	to	SEQ	ID NO:	ERR2855831.6	SEQ	ID NO:	52770
ERR2726476.5	SEQ	ID NO:	48175	to	SEQ	ID NO:	ERR2855832.2	SEQ	ID NO:	52811
ERR2726486.19	SEQ	ID NO:	48225	to	SEQ	ID NO:	ERR2855835.13	SEQ	ID NO:	52953
ERR2726493.4	SEQ	ID NO:	48356	to	SEQ	ID NO:	ERR2855836.5	SEQ	ID NO:	53246
	SEQ	ID NO:	48384	to	SEQ	ID NO:		SEQ	ID NO:	53409
	SEQ	ID NO:	48384	to	SEQ	ID NO:		SEQ	ID NO:	53481
	SEQ	ID NO:	48384	to	SEQ	ID NO:		SEQ	ID NO:	53537
	SEQ	ID NO:	48384	to	SEQ	ID NO:		SEQ	ID NO:	53573

FIG. 12E

FIG. 12F

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>	<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>	<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>
ERR688560.6	6379	ERR688643.1	72608	ERR688643.1	72788
ERR688561.4	64517	ERR688644.6	72789	ERR688644.6	72918
ERR688562.5	65174	ERR688645.2	72919	ERR688645.2	73029
ERR688563.8	65815	ERR688646.5	73030	ERR688646.5	73179
ERR688564.10	66496	ERR688647.6	73180	ERR688647.6	73264
ERR688565.9	66969	ERR688648.17	73265	ERR688648.17	73566
ERR688566.13	67577	ERR688649.4	73566	ERR688649.4	73713
ERR688567.8	68231	ERR688650.11	73714	ERR688650.11	73924
ERR688568.3	68855	ERR688651.15	73925	ERR688651.15	74157
ERR688569.11	69531	ERR688652.8	74158	ERR688652.8	74325
ERR688570.19	70022	ERR688653.13	74326	ERR688653.13	74517
ERR688571.3	70644	ERR688654.3	74518	ERR688654.3	74699
ERR688572.6	71338	ERR688655.15	74700	ERR688655.15	74793
ERR688573.11	72022	ERR688656.15	74794	ERR688656.15	74869
ERR688574.3	72339	ERR688657.3	74870	ERR688657.3	75329
ERR688575.12	73385	ERR688658.2	74930	ERR688658.2	75455
ERR688576.10	74454	ERR688659.10	75456	ERR688659.10	75669
ERR688577.9	75165	ERR688660.4	75670	ERR688660.4	75998
ERR688578.1	75812	ERR688661.8	75870	ERR688661.8	76161
ERR688579.5	76408	ERR688662.10	75999	ERR688662.10	76322
ERR688580.9	77088	ERR688663.3	76162	ERR688663.3	76531
ERR688581.4	77641	ERR688664.4	76332	ERR688664.4	76634
ERR688582.6	78284	ERR688665.1	76514	ERR688665.1	76851
ERR688583.1	78809	ERR688666.4	76601	ERR688666.4	77000
ERR688584.9	79443	ERR688667.9	76731	ERR688667.9	77177
ERR688585.10	79933	ERR688668.12	76903	ERR688668.12	77295
ERR688586.17	80506	ERR688669.3	77071	ERR688669.3	77402
ERR688587.7	8107	ERR688670.30	77178	ERR688670.30	77635
ERR688588.3	81695	ERR688671.7	77296	ERR688671.7	77841
ERR688589.13	82445	ERR688672.12	77403	ERR688672.12	77964
ERR688590.20	83188	ERR688673.9	77636	ERR688673.9	78058
ERR688591.12	83728	ERR688674.3	77696	ERR688674.3	78180
ERR688592.9	84458	ERR688675.12	77842	ERR688675.12	78364
ERR688593.12	85186	ERR688676.3	77965	ERR688676.3	78541
ERR688594.15	85932	ERR688677.7	78059	ERR688677.7	78841
ERR688595.16	86719	ERR688678.10	78181	ERR688678.10	78904
ERR688596.3	87536	ERR688679.3	78365	ERR688679.3	79147
ERR688597.6	88360	ERR688680.13	78542	ERR688680.13	79484
ERR688598.10	89140	ERR688681.2	78905	ERR688681.2	79482
ERR688599.6	90077	ERR688682.4	79148		
ERR688600.11	90933				
ERR688601.21	91707				
ERR688602.17	92555				
ERR688603.12	93333				
ERR688604.3	94447				
ERR688605.7	9587				
ERR688606.1	9677				
ERR688607.11	97569				
ERR688608.19	98407				
ERR688609.10	99242				
ERR688610.9	1007				
ERR688611.11	10107				
ERR688612.12	10294				
ERR688613.8	10444				
ERR688614.7	10587				
ERR688615.13	10727				
ERR688616.20	10874				
ERR688617.17	10961				
ERR688618.12	11185				
ERR688619.9	11490				
ERR688620.12	11531				
ERR688621.15	11909				
ERR688622.16	12035				
ERR688623.8	12139				
ERR688624.6	12290				
ERR688625.1	12607				
ERR688626.6					

FIG. 12G

[illegible]

FIG. 12H

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>	<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>
SRR52792339.4	90866	SRR6468627.5	96917
SRR5279239.6	90953	SRR6468632.8	97028
SRR5279247.3	91114	SRR6468633.4	97117
SRR5279252.7	91177	SRR6468636.17	97192
SRR5279252.9	91239	SRR6468637.9	97264
SRR5279253.7	91436	SRR6468639.4	97409
SRR5279267.8	91578	SRR6468643.2	97536
SRR5279269.27	91682	SRR6468651.2	97599
SRR5279272.6	91969	SRR6468652.5	97942
SRR5279275.2	92027	SRR6468652.9	98015
SRR5279278.2	92251	SRR6468653.1	98042
SRR5279281.3	92339	SRR6468659.1	98143
SRR5279285.4	92698	SRR6468662.8	98205
SRR5279303.4	92849	SRR6468672.4	98299
SRR5279309.3	93098	SRR6468684.3	98374
SRR6468507.8	93098	SRR6468684.5	98698
SRR6468510.13	93362	SRR6468685.21	98860
SRR6468511.4	93546	SRR6468688.15	98949
SRR6468511.28	93650	SRR6468691.15	99004
SRR6468511.28	93680	SRR6468695.2	99078
SRR6468523.9	93792	SRR6468702.17	99289
SRR6468525.9	93916	SRR6468705.4	99456
SRR6468527.6	94132		
SRR6468533.3	94192		
SRR6468533.7	94423		
SRR6468553.1	94560		
SRR6468554.4	94679		
SRR6468561.5	94759		
SRR6468572.1	94869		
SRR6468582.2	94919		
SRR6468585.10	95016		
SRR6468590.7	95204		
SRR6468593.3	95507		
SRR6468594.7	95563		
SRR6468602.3	95610		
SRR6468608.15	95701		
SRR6468611.10	95740		
SRR6468612.13	95932		
SRR6468618.9	96140		
SRR6468618.9	96221		
SRR6468619.5	96455		
SRR6468619.5	96522		
SRR6468619.5	96546		
SRR6468619.5	96615		
SRR6468619.5	96754		
SRR52792339.4	90952	SRR6468627.5	97027
SRR5279239.6	91113	SRR6468632.8	97116
SRR5279247.3	91176	SRR6468633.4	97191
SRR5279252.7	91238	SRR6468636.17	97263
SRR5279252.9	91435	SRR6468637.9	97408
SRR5279253.7	91577	SRR6468639.4	97535
SRR5279267.8	91681	SRR6468643.2	97598
SRR5279269.27	91968	SRR6468651.2	97941
SRR5279272.6	92026	SRR6468652.5	98014
SRR5279275.2	92250	SRR6468652.9	98041
SRR5279278.2	92338	SRR6468653.1	98142
SRR5279281.3	92697	SRR6468659.1	98204
SRR5279285.4	92848	SRR6468662.8	98298
SRR5279303.4	92889	SRR6468672.4	98373
SRR5279309.3	93097	SRR6468684.3	98697
SRR6468507.8	93361	SRR6468684.5	98860
SRR6468510.13	93545	SRR6468685.21	98948
SRR6468511.4	93649	SRR6468688.15	99003
SRR6468511.28	93679	SRR6468691.15	99077
SRR6468523.9	93915	SRR6468695.2	99289
SRR6468525.9	94131	SRR6468702.17	99455
SRR6468527.6	94191		
SRR6468533.3	94422		
SRR6468533.7	94559		
SRR6468553.1	94678		
SRR6468554.4	94758		
SRR6468561.5	94868		
SRR6468572.1	94918		
SRR6468582.2	95015		
SRR6468585.10	95203		
SRR6468590.7	95506		
SRR6468593.3	95562		
SRR6468594.7	95609		
SRR6468602.3	95700		
SRR6468608.15	95739		
SRR6468611.10	95931		
SRR6468612.13	96139		
SRR6468618.9	96220		
SRR6468618.9	96454		
SRR6468619.5	96521		
SRR6468619.5	96545		
SRR6468619.5	96614		
SRR6468619.5	96753		
SRR6468619.5	96916		

FIG. 12I

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 glycyrrhizinilyticu

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 sp000209385

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 sp000431535

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. 13A

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. 13B

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 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. 13C

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_UBA932;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 ulcerar

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. 13D

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 WO 2024/226805

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_Megasphaeraceae;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

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 kobe

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

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

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

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;g_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_1

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_Christensenelliales;f_UBA1750;g_UBA1750;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_1

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_1

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. 13F

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		
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_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. 13G

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_Enterobacterales;f_Enterobacteriaceae;g_Escherichia;s_Escherichia flexne
Microorganism Id: 3W055.19 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Barnesiellaceae;g_Barnesiella;s_Barnesiella intestinalis
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_Phill;s_Phill 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_RF20;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_Phill;s_Phill 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. 13H

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_Anaerotrignaceae;g_Anaerotrignum;s_Anaerotrignum 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 butyriciproducens			
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. 13I

Microorganism Id: ERR1018210.9	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Actinobacteriota;c_Actinomycetia;o_Actinomycetales;f_Bifidobacteriaceae;g_Bifidobacterium;s_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;s_Streptococcus_salivarius		
Microorganism Id: ERR1018213.6	Core: N	Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_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;s_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_Desulfovibrionia;o_Desulfovibrionales;f_Desulfovibrionaceae;g_Bilophila;s_Bilophila_wadsworthii		
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_Desulfovibrionia;o_Desulfovibrionales;f_Desulfovibrionaceae;g_Desulfovibrio;s_Desulfovibrio_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. 13J

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

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;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. 13K

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_Coprobacteraceae;g_Coprobacter;s_Coprobacter 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_D			
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. 13L

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 sp90053994

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_Blaugia_A;s_Blaugia_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. 13M

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

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

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. 13N

Microorganism Id: ERR2017538.19 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_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;s_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. 130

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;f_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_Phascolarctobacterium;s_Phascolarctobacterium 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;f_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. 13P

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_Butyricocaceae;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 fermentum

Microorganism Id: ERR2017605.6 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;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. 13Q

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. 13R

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. 13S

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;s_UMGS1071 sp900541905

Microorganism Id: ERR2017672.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Collinsella;s_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_Erysipelatoclostridiaceae;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;s_Gemmiger sp900539695

Microorganism Id: ERR2017678.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraeae;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;s_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;s_UMGS1474 sp900552115

Microorganism Id: ERR2017683.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Phascolartobacterium_A;s_Phascolartobacterium_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. 13T

Microorganism Id: ERR2017692.23 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;g_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 sp9005555625

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. 13U

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_Phascolartobacterium;s_Phascolartobacterium 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 finegoldii

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. 13V

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;s_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;s_CAG-41 sp9000066215

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_Actinomycetales;f_Actinomycetaceae;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_Enterobacteriales;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. 13W

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_Enterobacterales;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. 13X

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 cellulosityticus

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 sp90054745

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. 13Y

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. 13Z

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 sp900313215

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. 13AA

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 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 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 qucibialis

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. 13BB

Microorganism Id: ERR2855835.13 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Ligilactobacillus;g_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_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_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_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. 13CC

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 stercorea		
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;s_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;s_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;s_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 stercorea		
Microorganism Id: ERR2855908.3	Core: Y	Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Veillonellaceae;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. 13DD

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_sp90031470

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;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_Phill;s_Phill sp001940855

Microorganism Id: ERR2855919.4 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_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;sp000434055

Microorganism Id: ERR2855928.4 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_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;sp900557255

Microorganism Id: ERR2855940.1 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_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;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. 13EE

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;g_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_Lactobacilliales;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_Anaeorovoracaceae;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. 13FF

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 formicigenans

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;s_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. 13GG

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_Coproccoccus_A;s_Coproccoccus_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. 13HH

Microorganism Id: ERR688562.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacilliales;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_Enterobacterales;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 hanseni

FIG. 13II

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_Anaerobutyricum

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;c_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 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_URA932;g_RC9;s_RC9 sp000431015

FIG. 13JJ

Microorganism Id: ERR688624.20 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_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_Blaugia_A;s_Blaugia_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 quicubialis

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 quicubialis

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. 13KK

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_Anaerotrignaceae;g_Anaerotrignum;s_Anaerotrignum 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;f_Bacteroidaceae;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;s_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_Fusobacteriia;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. 13LL

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 vulgaris

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 sp000552665

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. 13MM

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_G

Microorganism Id: PSM7JL84.3 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. 13NN

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_Holdemanaella;s_Holdemanaella 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 stercora

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. 1300

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 sp03470905

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. 13PP

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;s_Hungatella effluvii

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_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;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;s_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 qucibialis

Microorganism Id: SRR413648.3 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;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_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_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 rogosa_A

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

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

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

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

FIG. 13QQ

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_Enterobacterales;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_Enterobacterales;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. 13RR

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 onderdonkii

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: SRR5279222.3 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. 13SS

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;s_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. 13TT

Microorganism Id: SRR6468510.13 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_URA932;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_Megasphaeraeaceae;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_Fuscatenibacter;s_Fuscatenibacter saccharivorans

FIG. 13UU

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_Erysipelatoclostridiaceae;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 plantii

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_Blaugia_A;s_Blaugia_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. 13W

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_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_Megasphaeraeaceae;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_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. 13WVV

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. 13XX

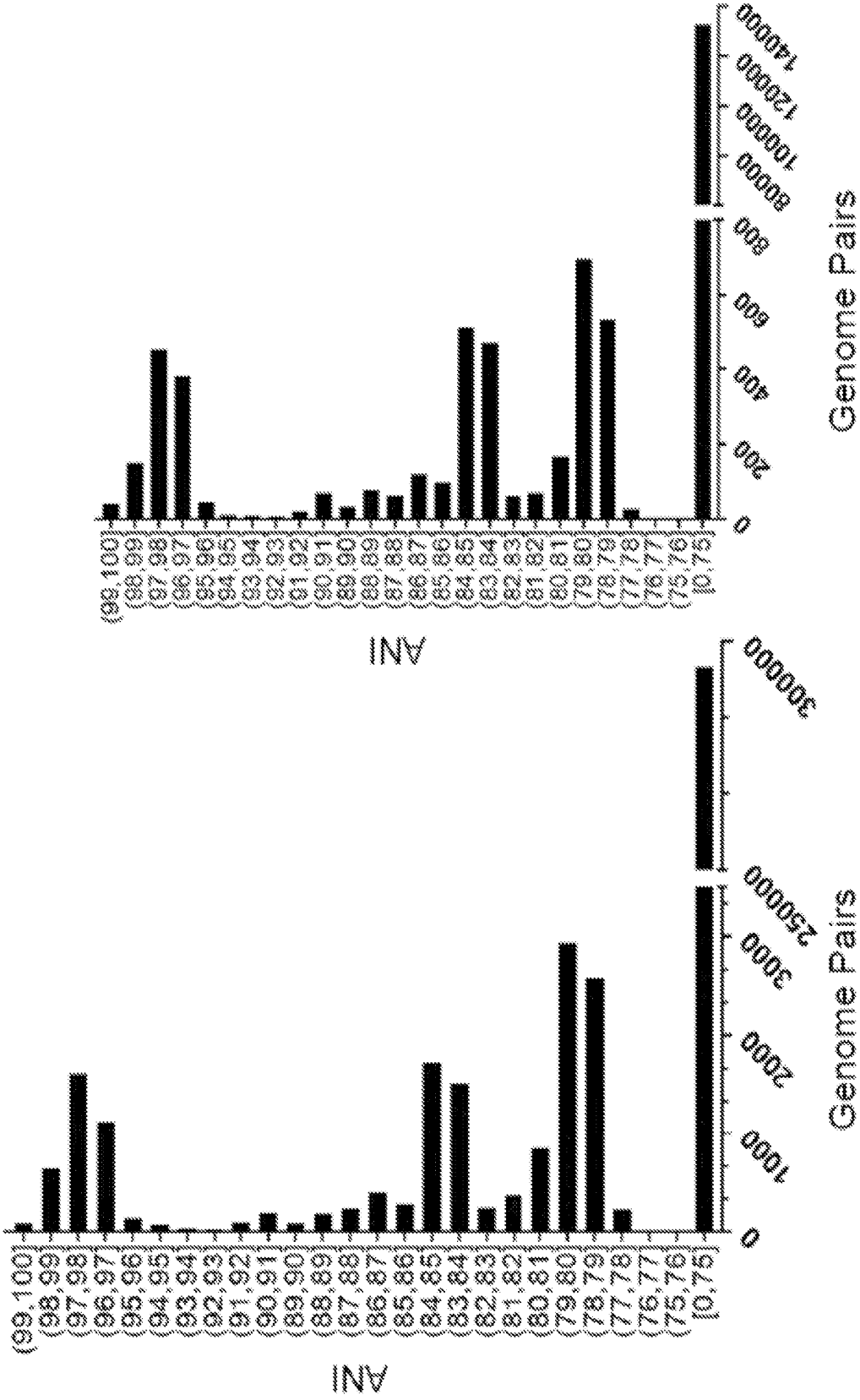


FIG. 14B

FIG. 14A

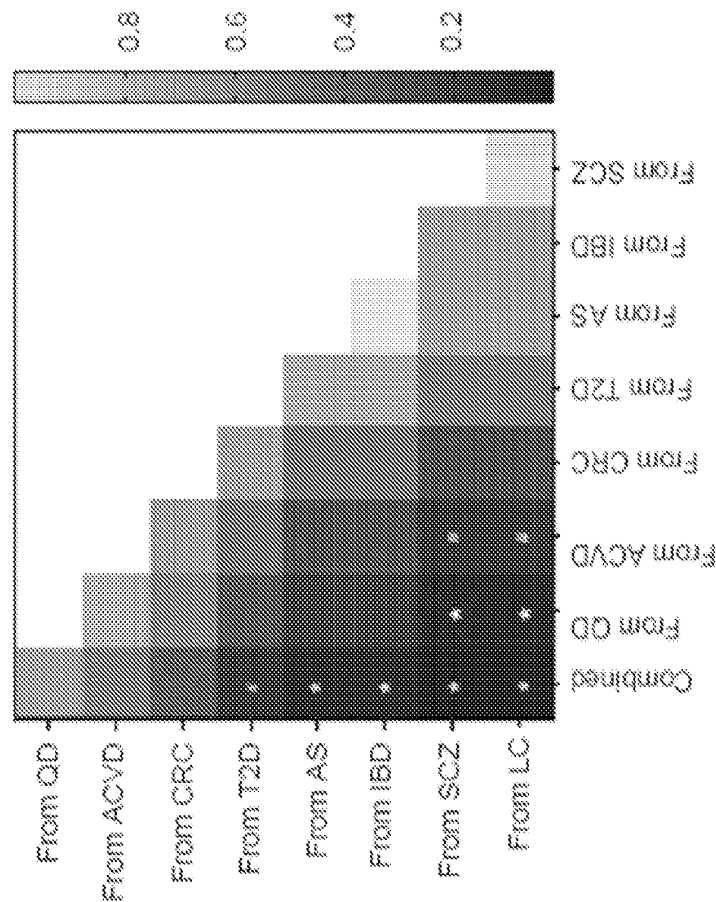


FIG. 15B

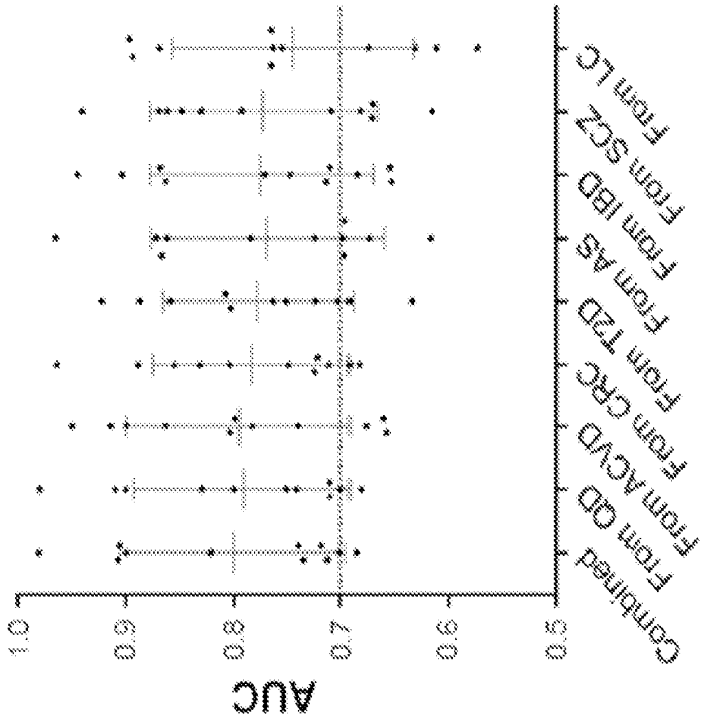


FIG. 15A

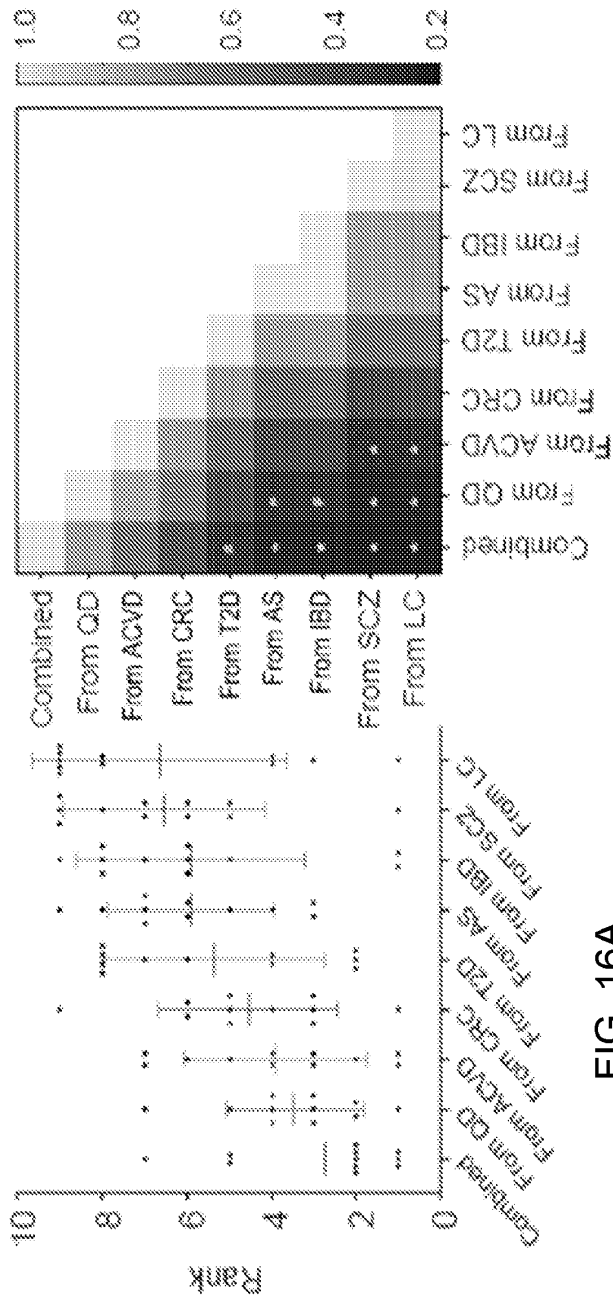


FIG. 16A

FIG. 16B

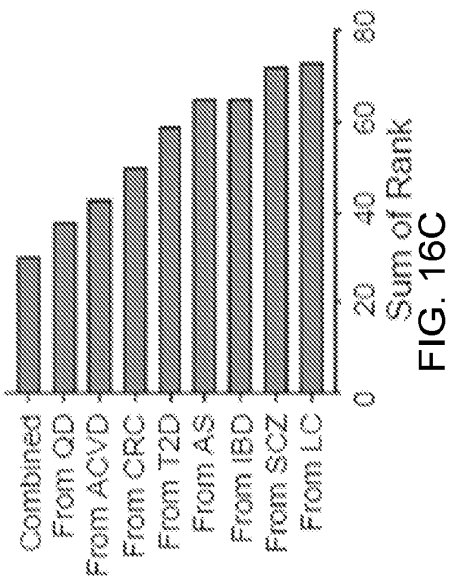


FIG. 16C

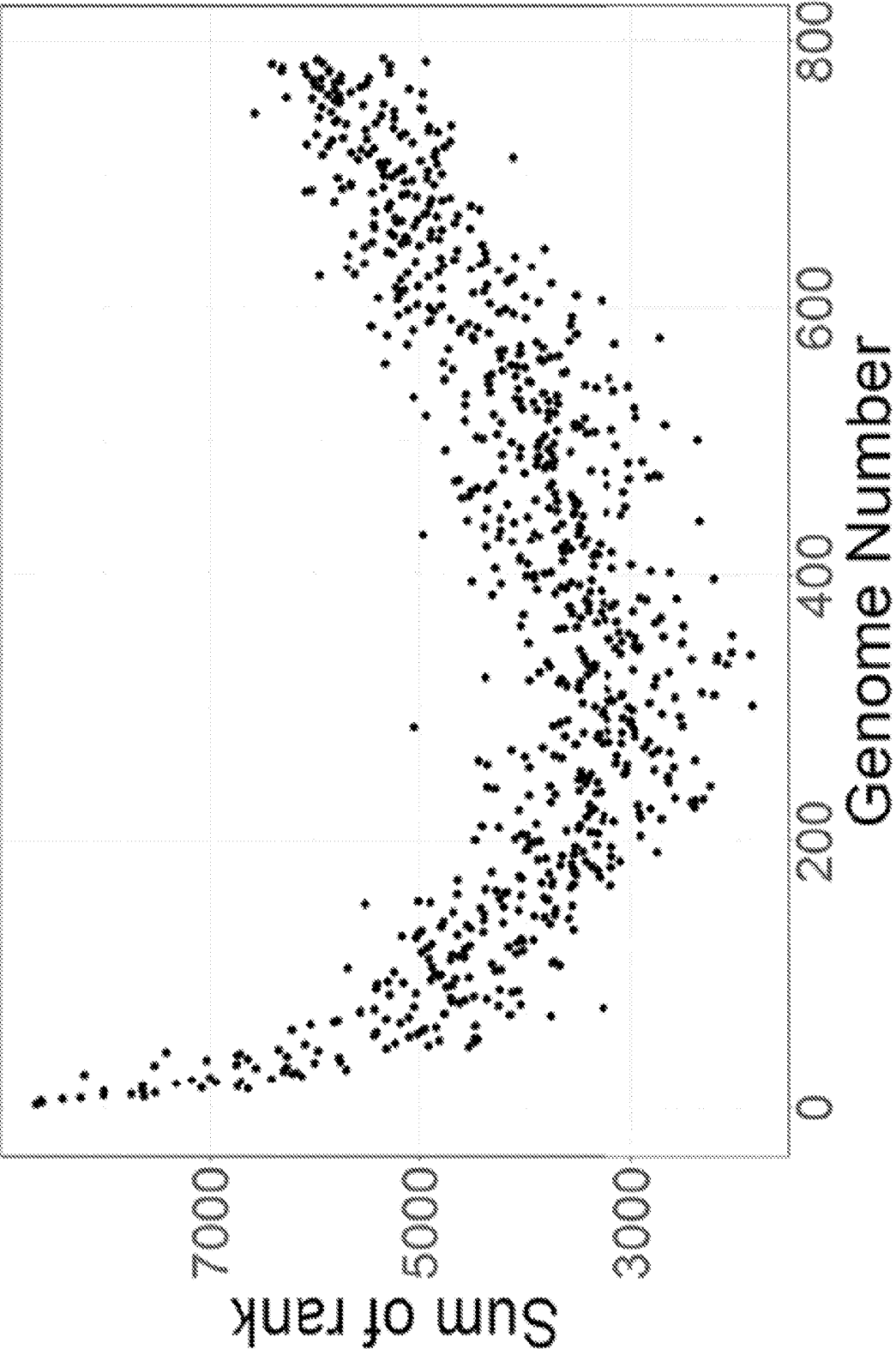


FIG. 17

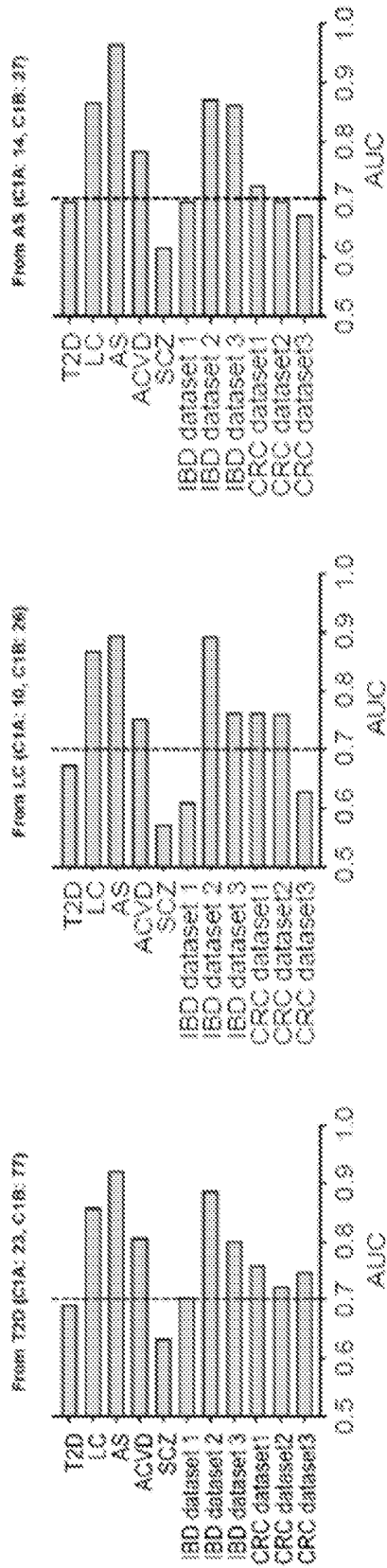


FIG. 18A

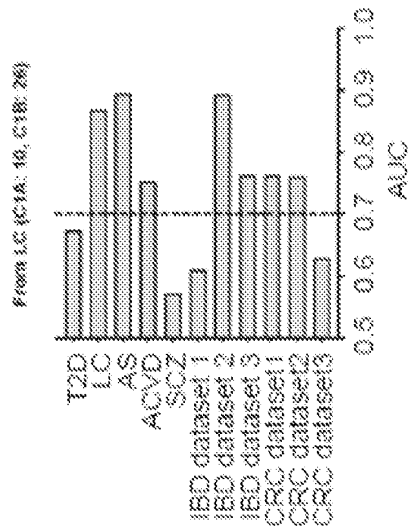


FIG. 18B

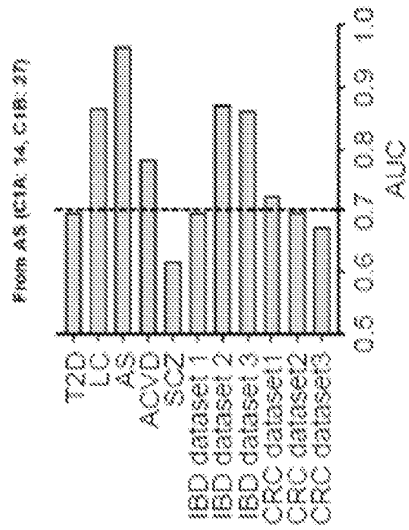


FIG. 18C

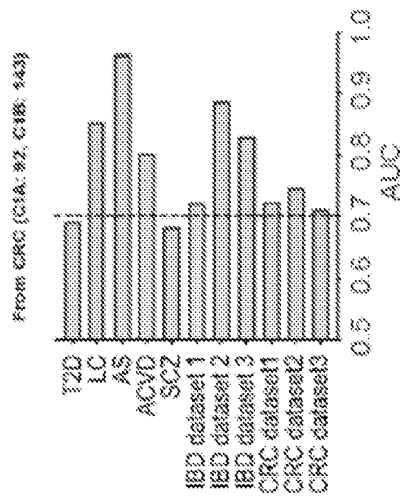


FIG. 18D

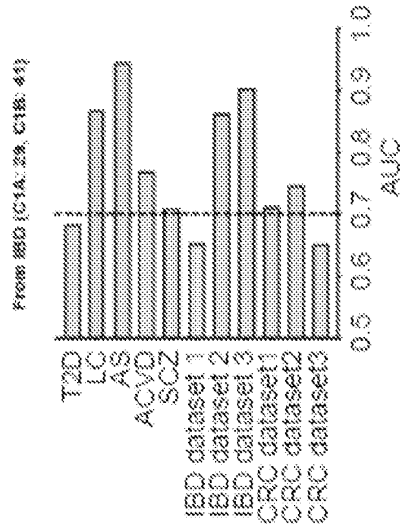


FIG. 18E

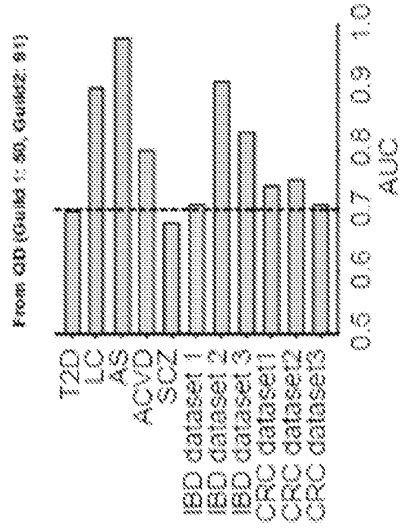


FIG. 18F

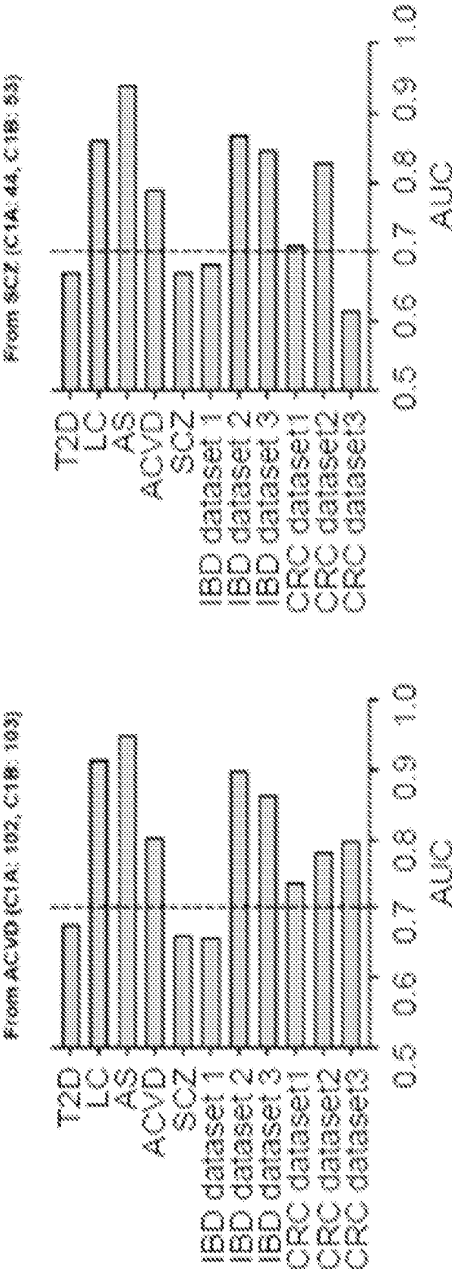


FIG. 18H

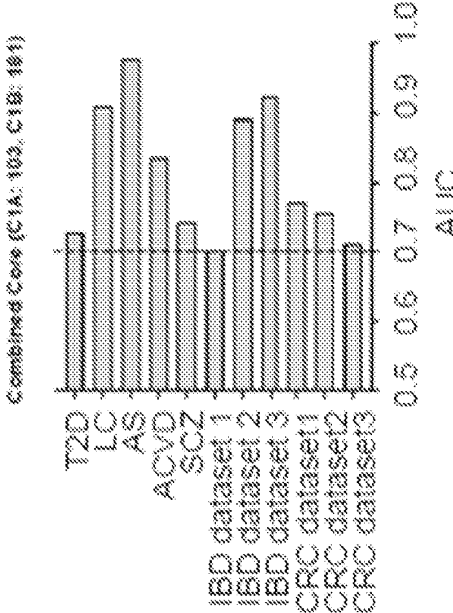


FIG. 18J

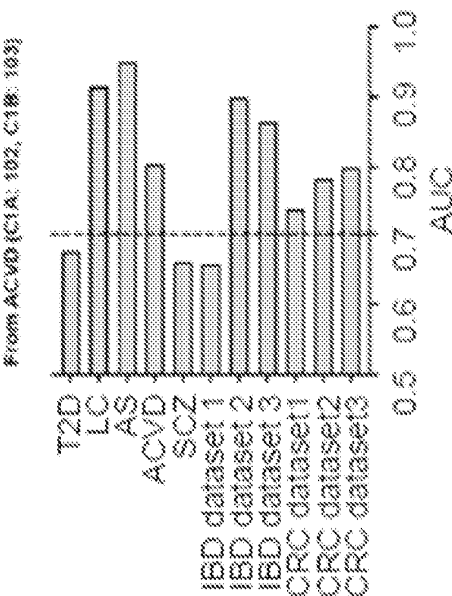


FIG. 18G

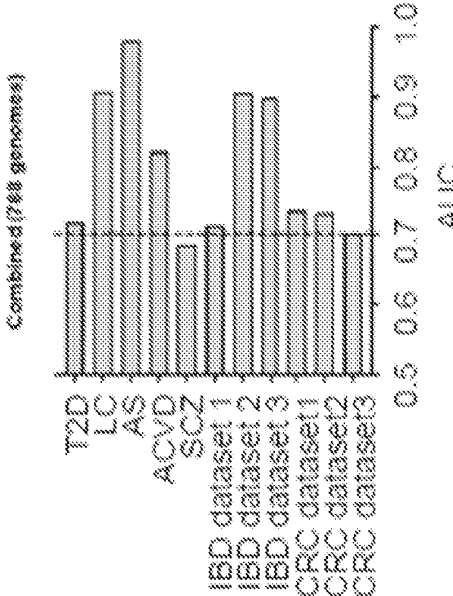


FIG. 18I

ID	ACVD	AS	ASD	IBD	Control	COV	CRC	GD II	HT	BD	ILC	MS	PC	PD	SCZ	T2D
Erawijantani2020CRC	0	0	0	0	40	0	40	0	0	0	0	0	0	0	0	0
Feng2015CRC	0	0	0	0	63	0	46	0	0	0	0	0	0	0	0	0
Franzosa2019_discovery_IBD	0	0	0	0	34	0	0	0	0	121	0	0	0	0	0	0
Franzosa2019_validation_IBD	0	0	0	0	22	0	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	0
Kartal2022_Germany_PC	0	0	0	0	32	0	0	0	0	0	0	0	44	0	0	0
Kartal2022_Spain_PC	0	0	0	0	50	0	0	0	0	0	0	0	57	0	0	0
Li2017HT	0	0	0	0	41	0	0	0	98	0	0	0	0	0	0	0
Li2021COVID19	0	0	0	0	19	47	0	0	0	0	0	0	0	0	0	0
LloydPrice2019IBD	0	0	0	0	26	0	0	0	0	80	0	0	0	0	0	0
Nagata2022PC	0	0	0	0	235	0	0	0	0	0	0	0	43	0	0	0
Qian2020PD	0	0	0	0	40	0	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	0	136
Qin2014LC	0	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	0
Ventura2019MS	0	0	0	0	24	0	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	0
Wan2019ASD	0	0	85	0	64	0	0	0	0	0	0	0	0	0	0	0
Wien2017AS	0	97	0	0	83	0	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	0
Yan2017HT	0	0	0	0	56	0	0	0	80	0	0	0	0	0	0	0
Ye2018BD	0	0	0	24	52	0	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	0
Zhou2019AS	0	85	0	0	55	0	0	0	0	0	0	0	0	0	0	0
Zhu2019GD	0	0	0	0	62	0	0	94	0	0	0	0	0	0	0	0
Zhu2020SCZ	0	0	0	0	81	0	0	0	0	0	0	0	0	0	90	0

FIG. 19

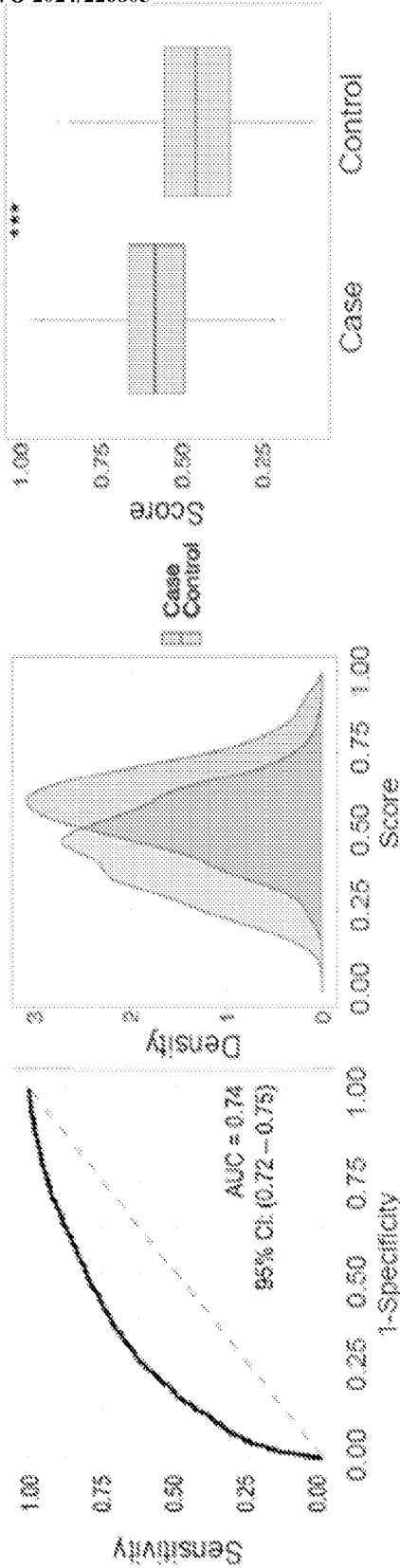


FIG. 20A1

FIG. 20A2

FIG. 20Ab

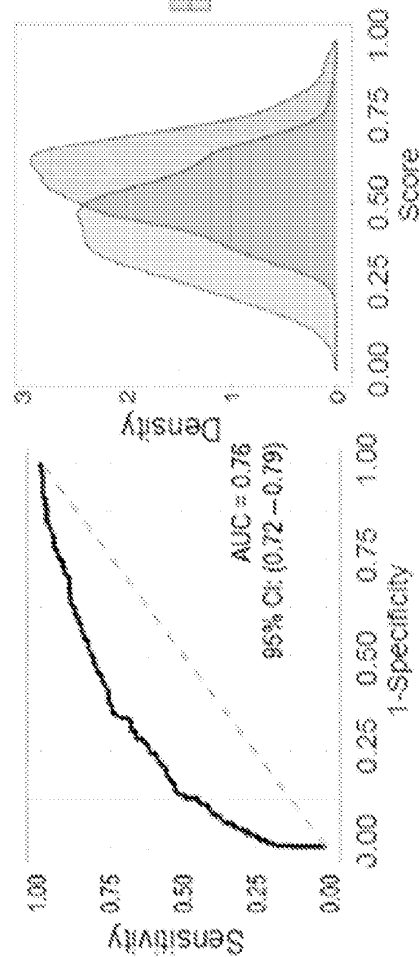


FIG. 20B1

FIG. 20B2

FIG. 20B3

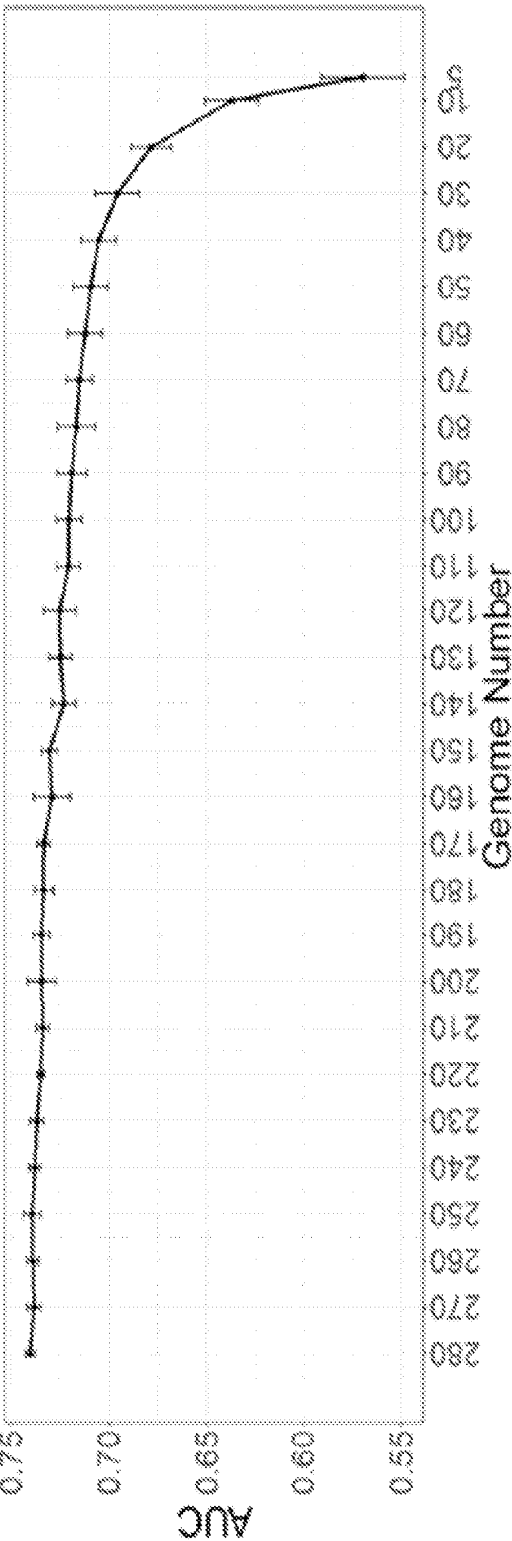


FIG. 21A

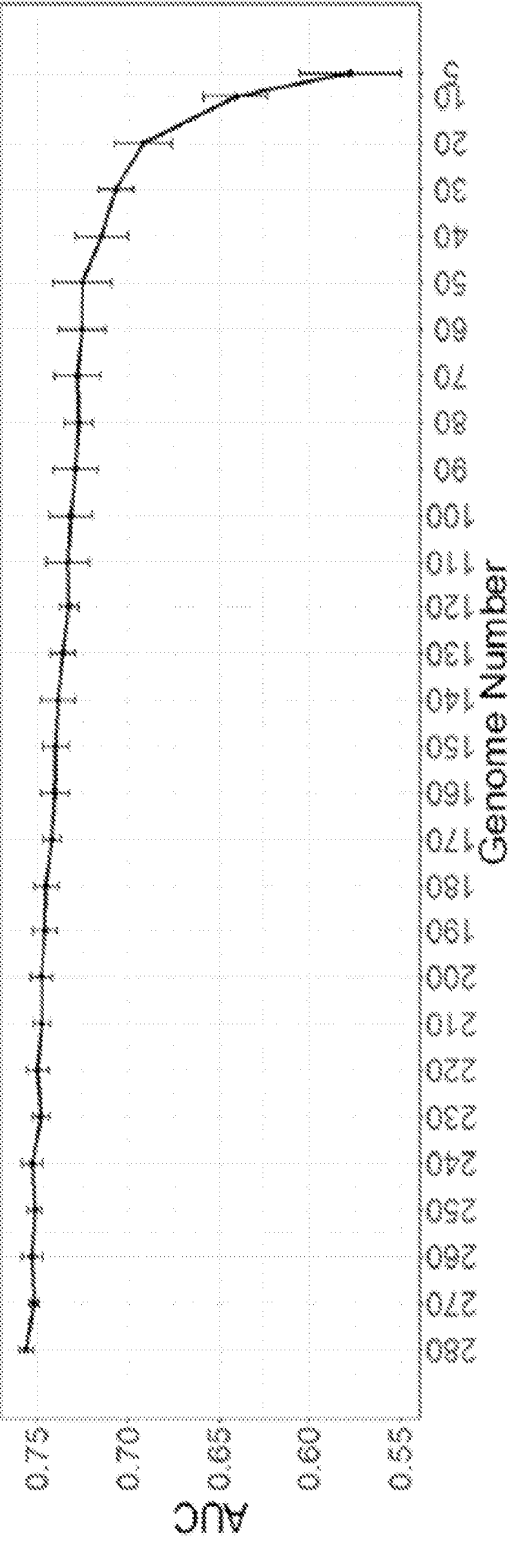


FIG. 21B