

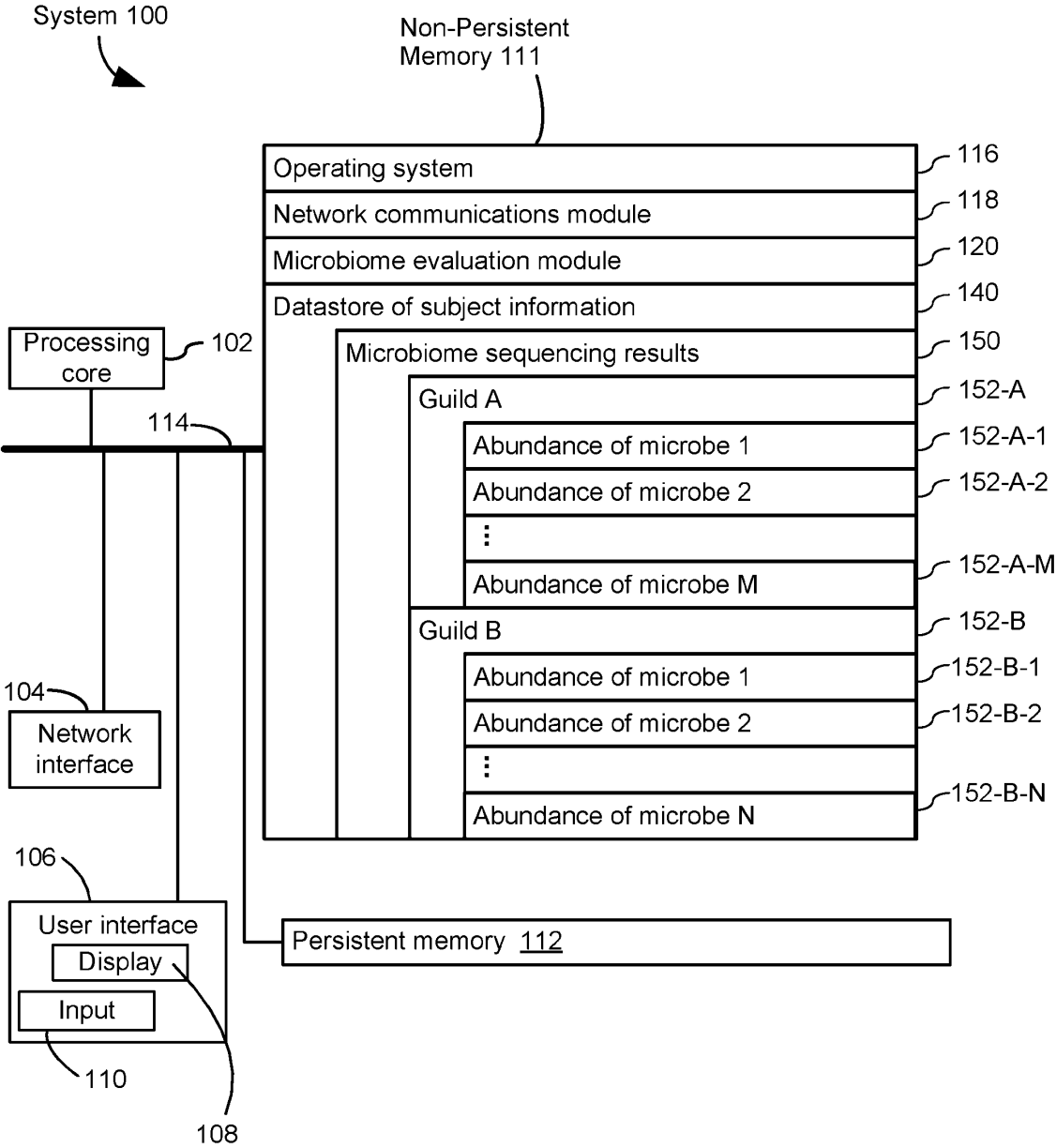


FIG. 1

(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.

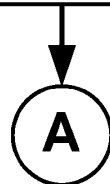
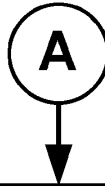


Fig. 2A



(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.



Fig. 2B

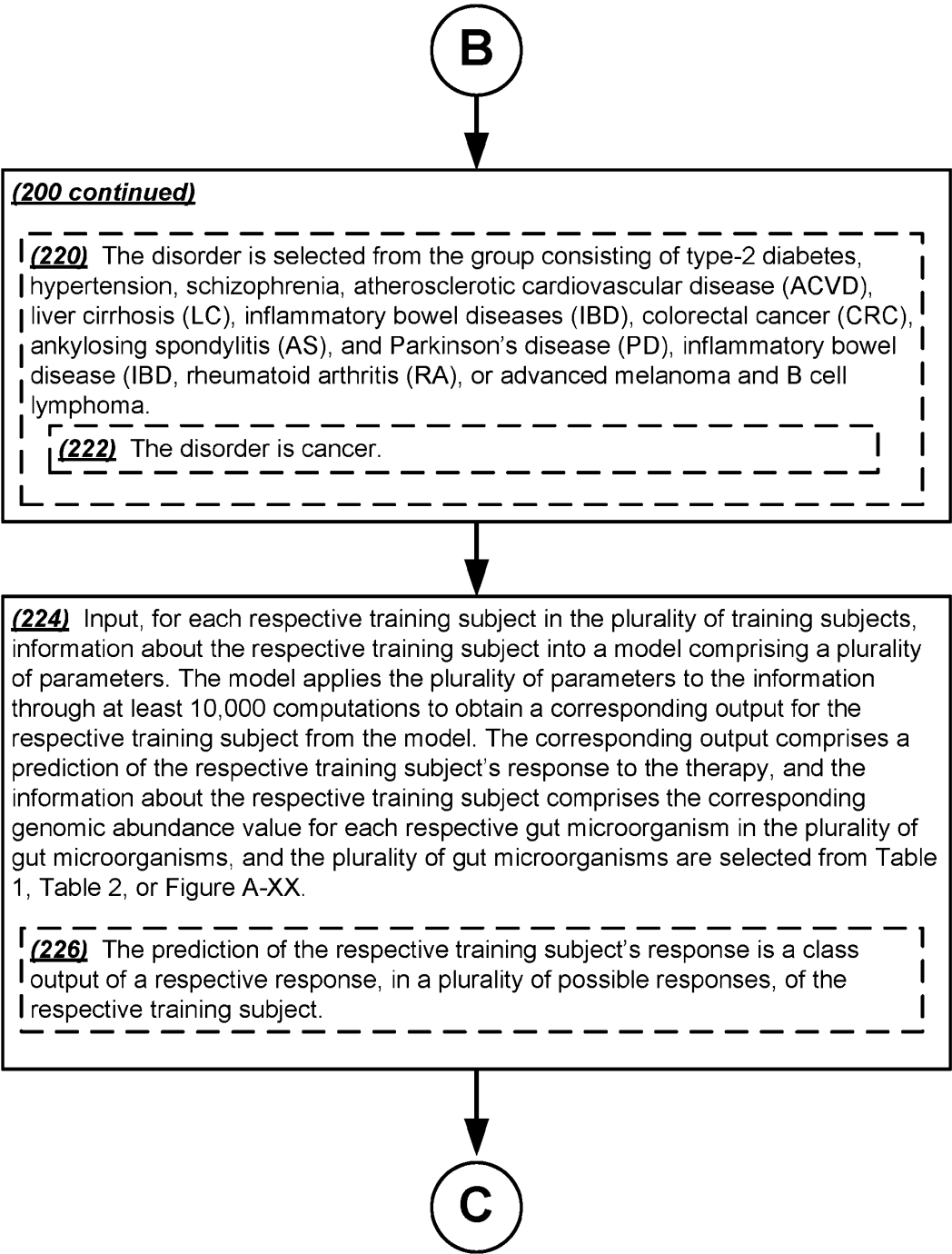


Fig. 2C

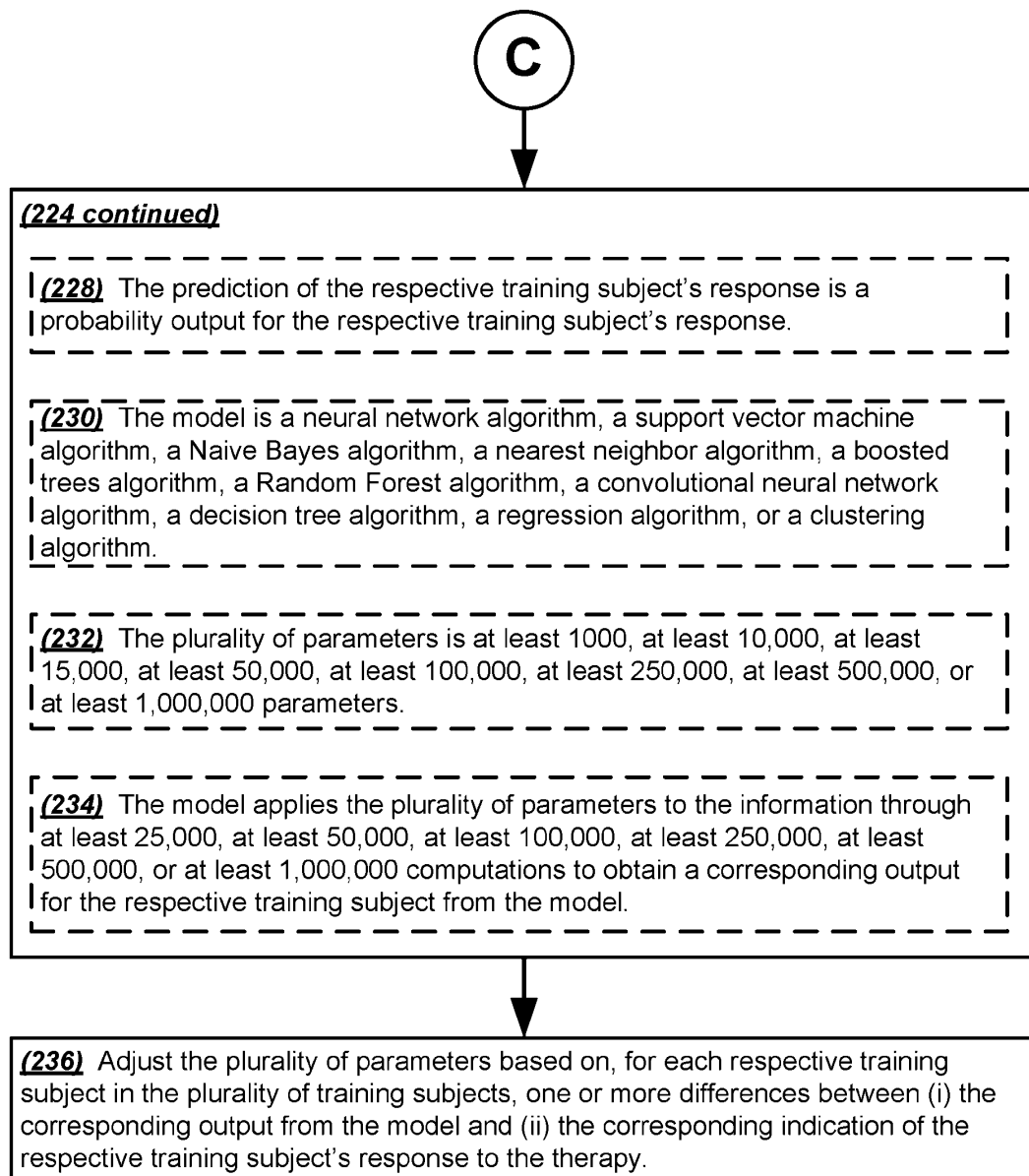


Fig. 2D

(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

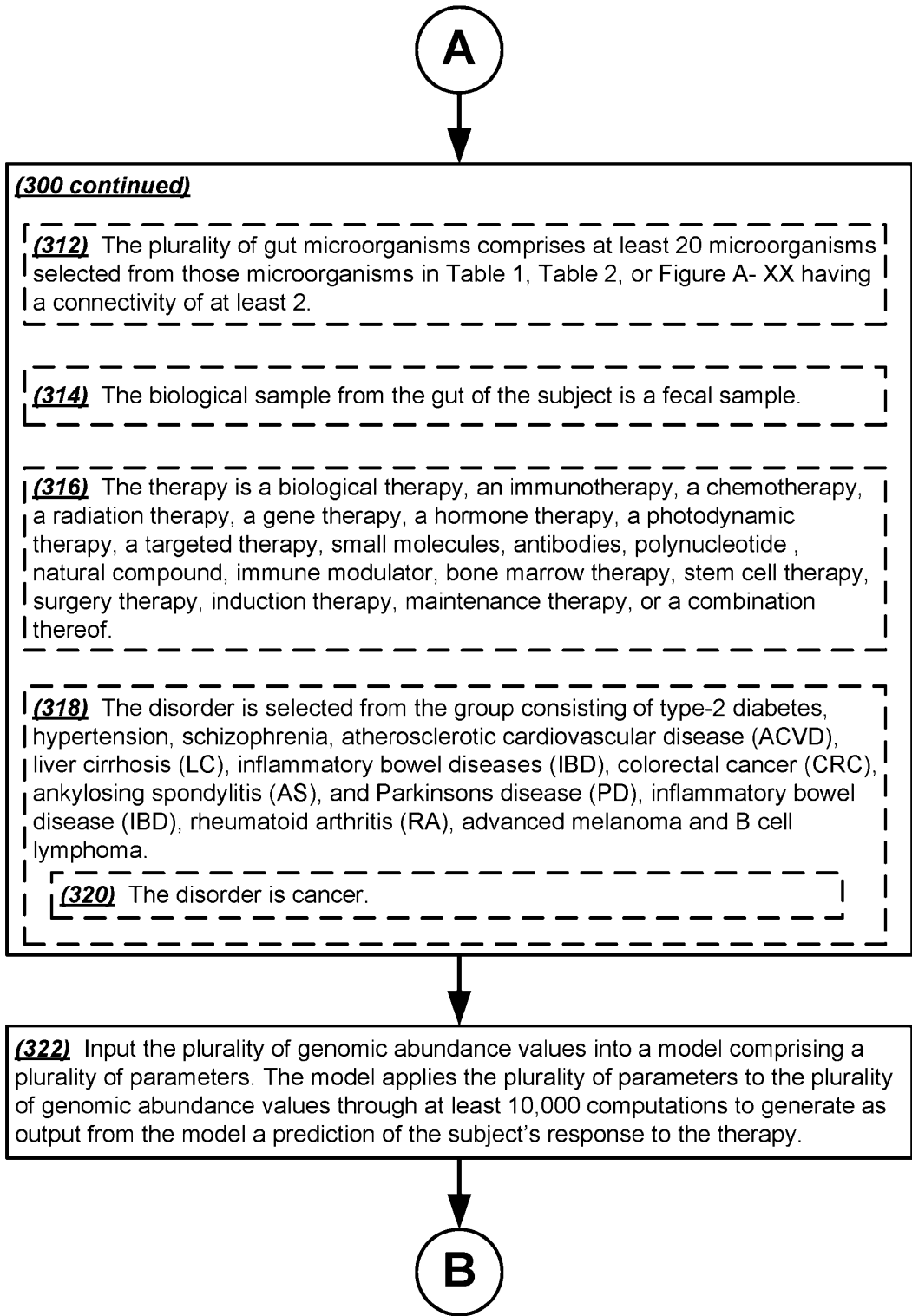


Fig. 3B

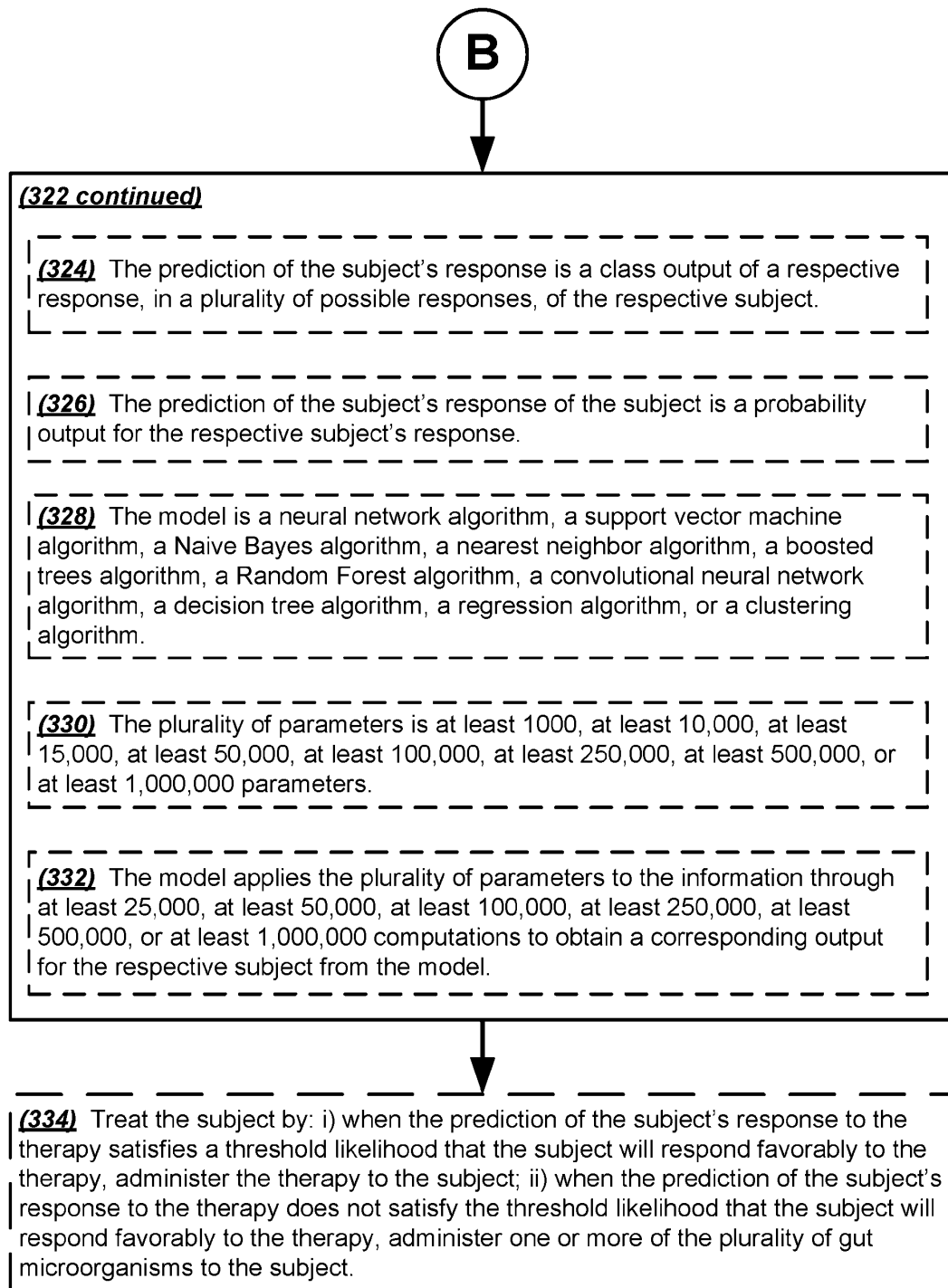


Fig. 3C

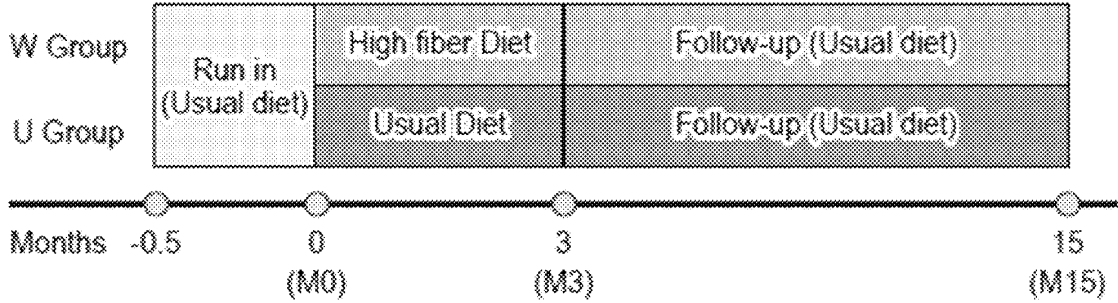


FIG. 4A

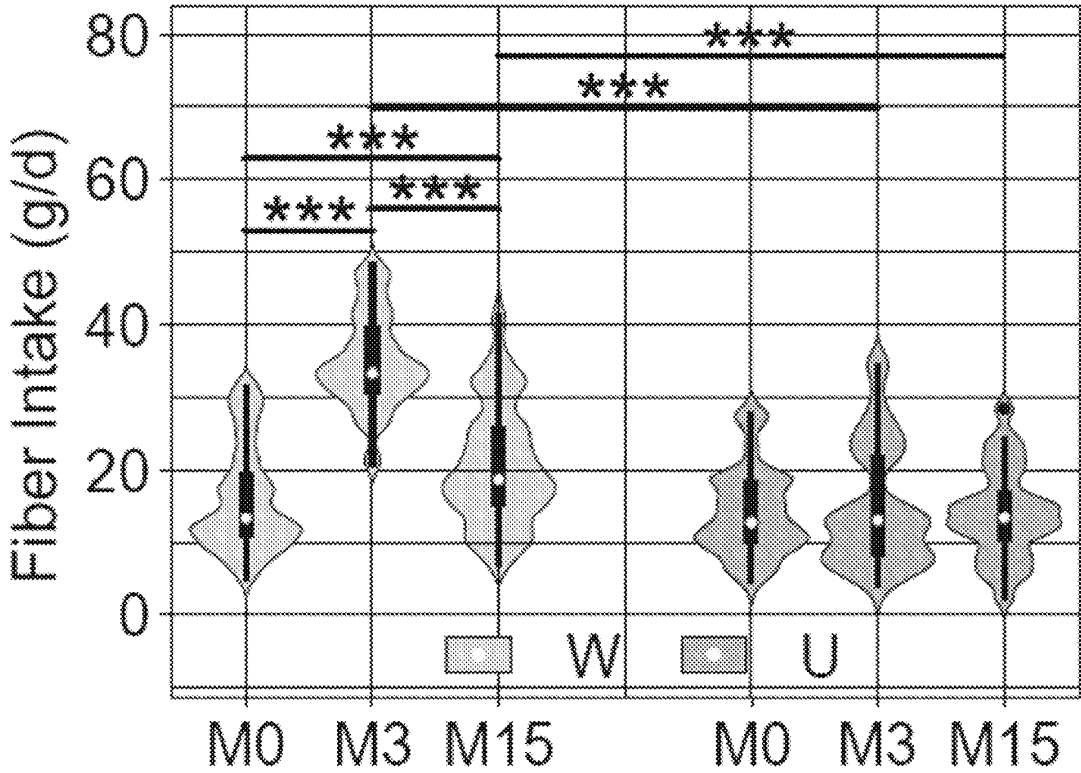


FIG. 4B

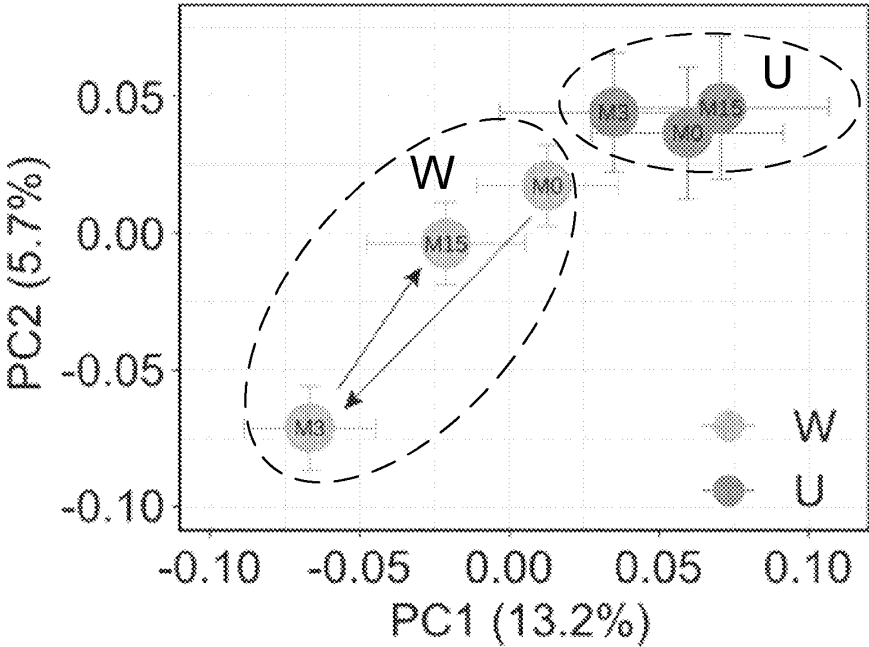


FIG. 4C

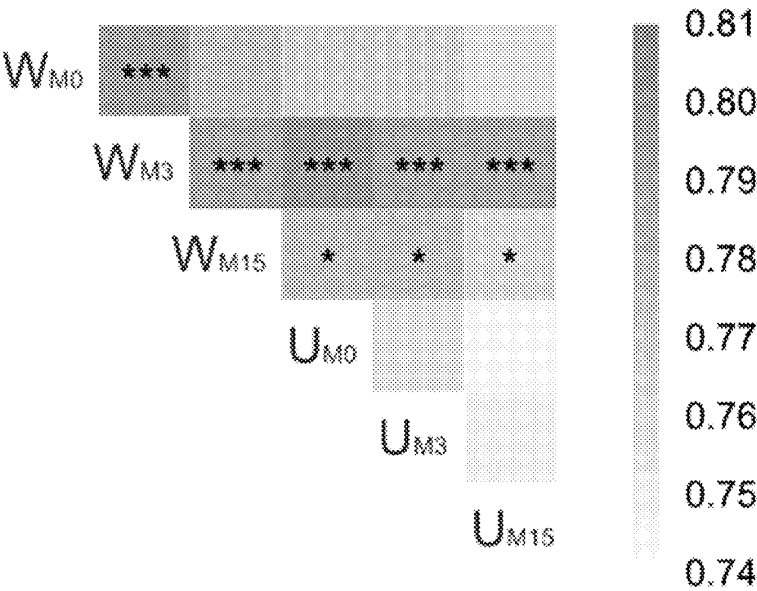


FIG. 4D

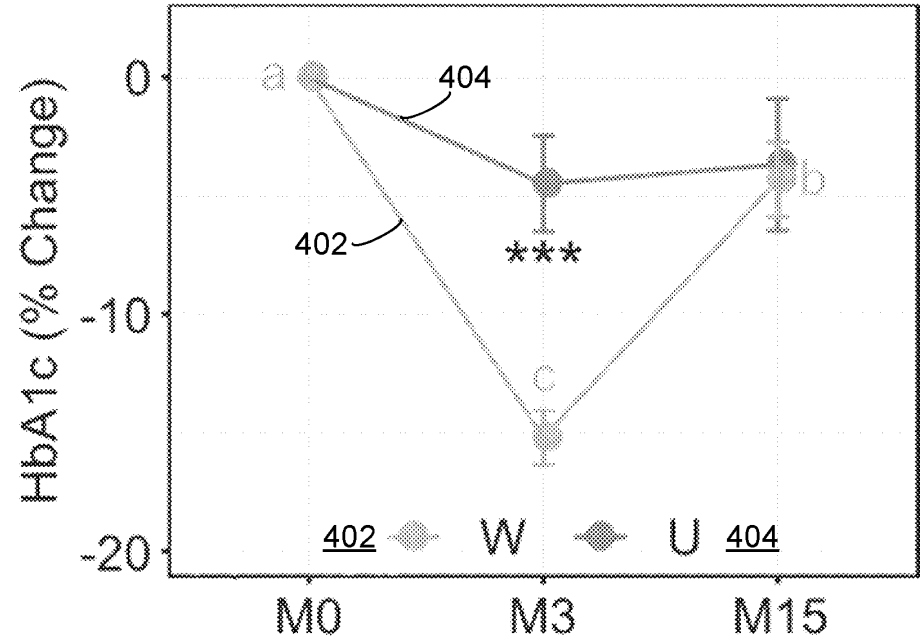


FIG. 4E

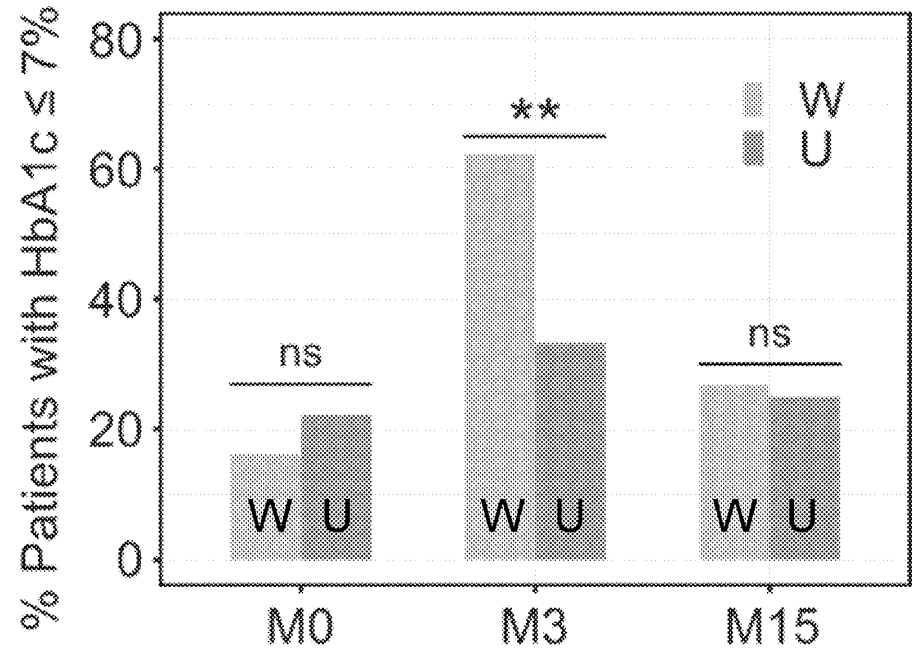


FIG. 4F

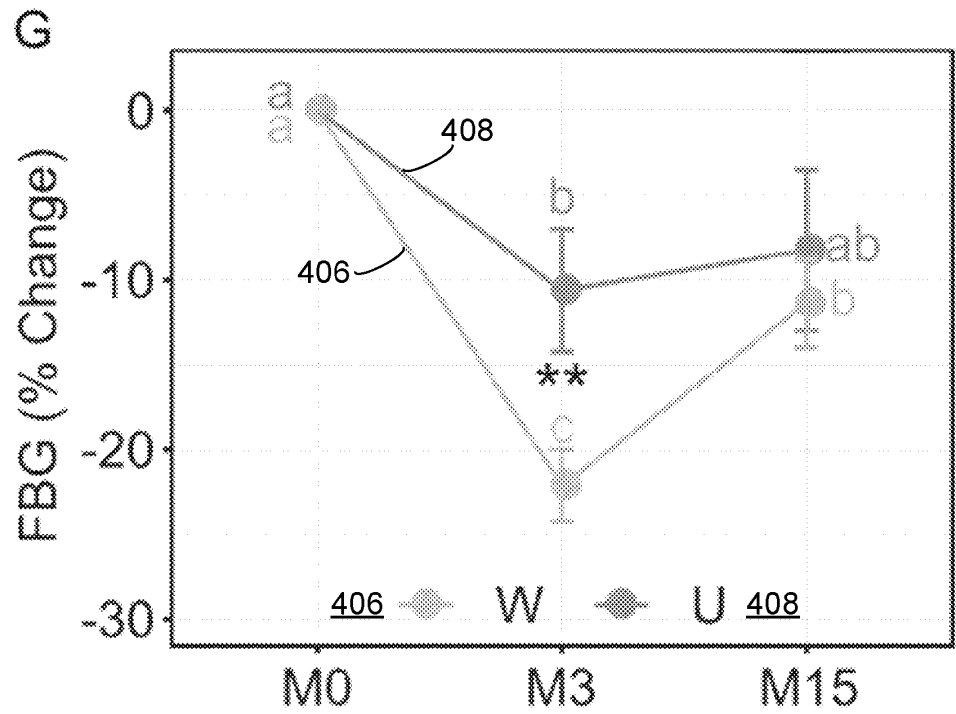


FIG. 4G

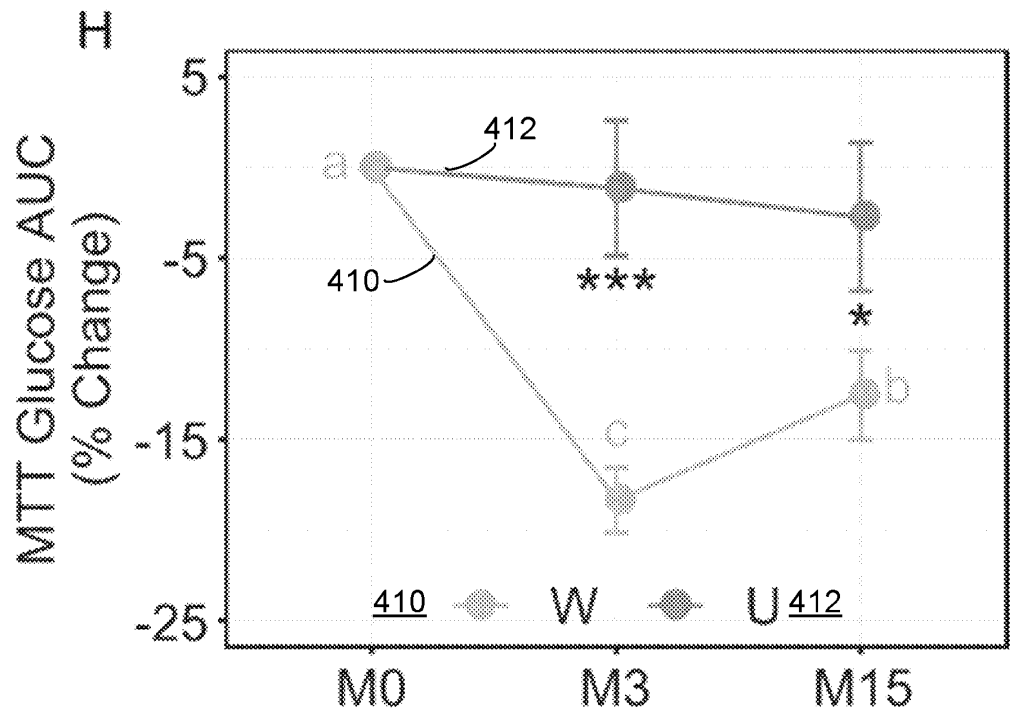


FIG. 4H

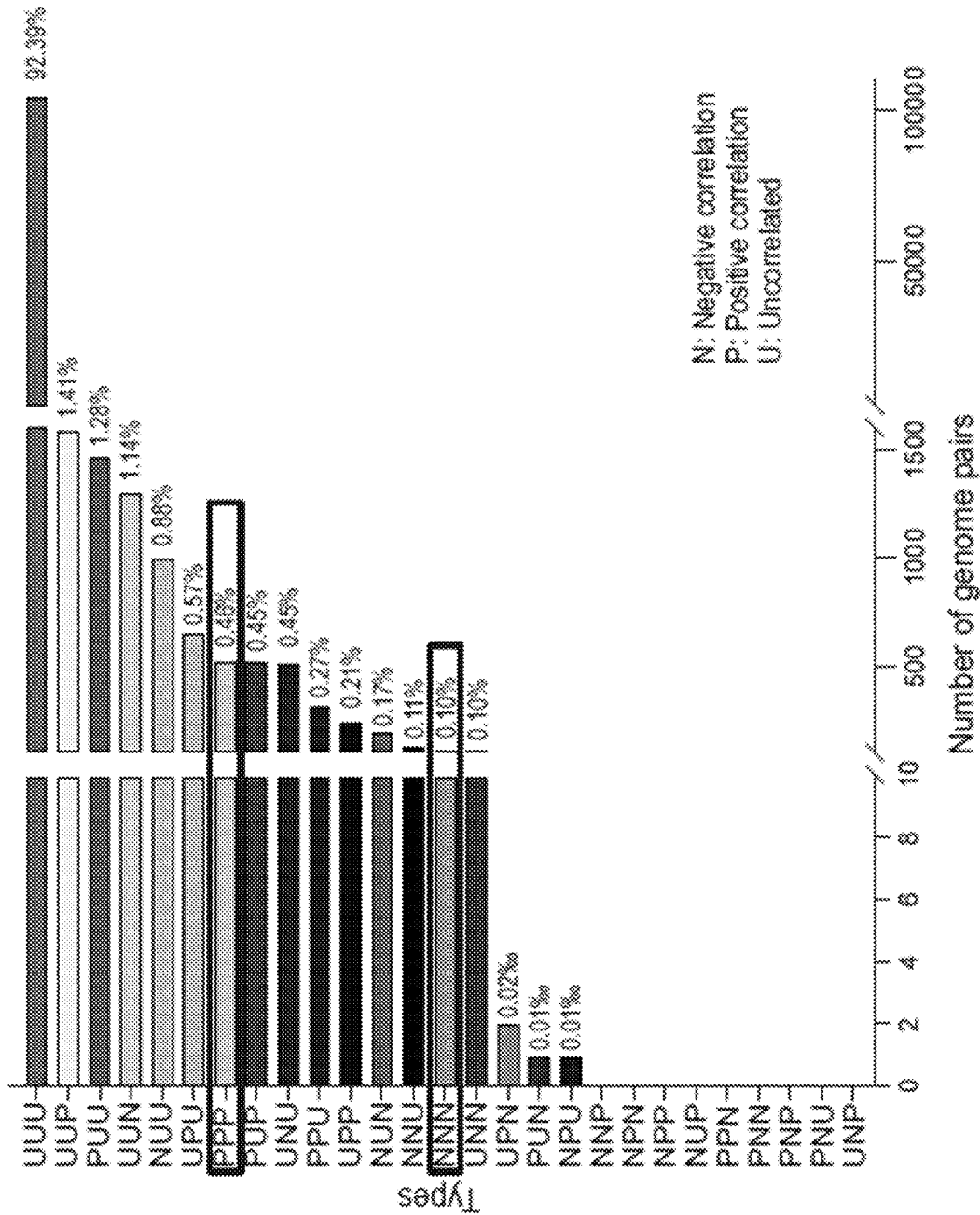


FIG. 5A

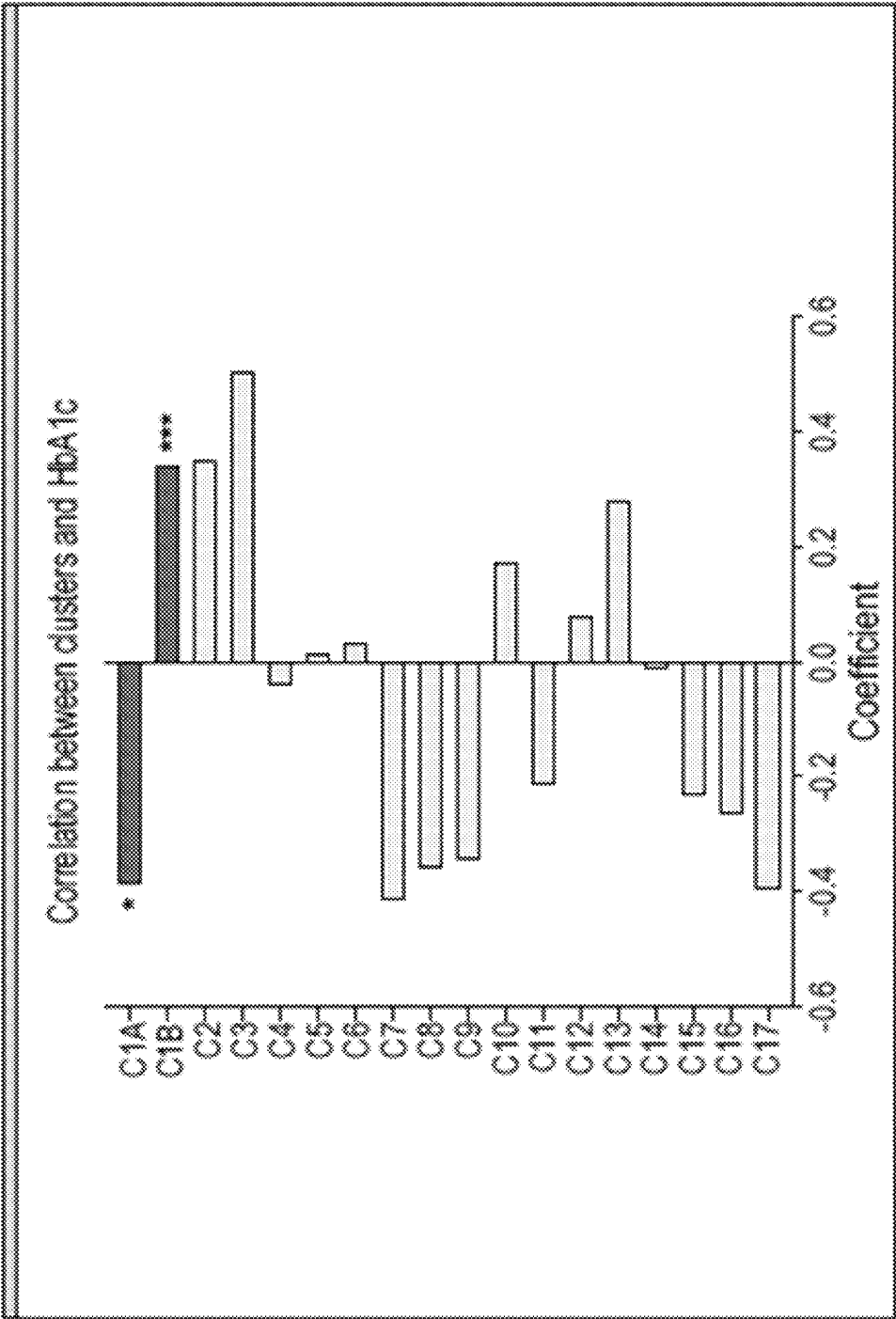


FIG. 5B

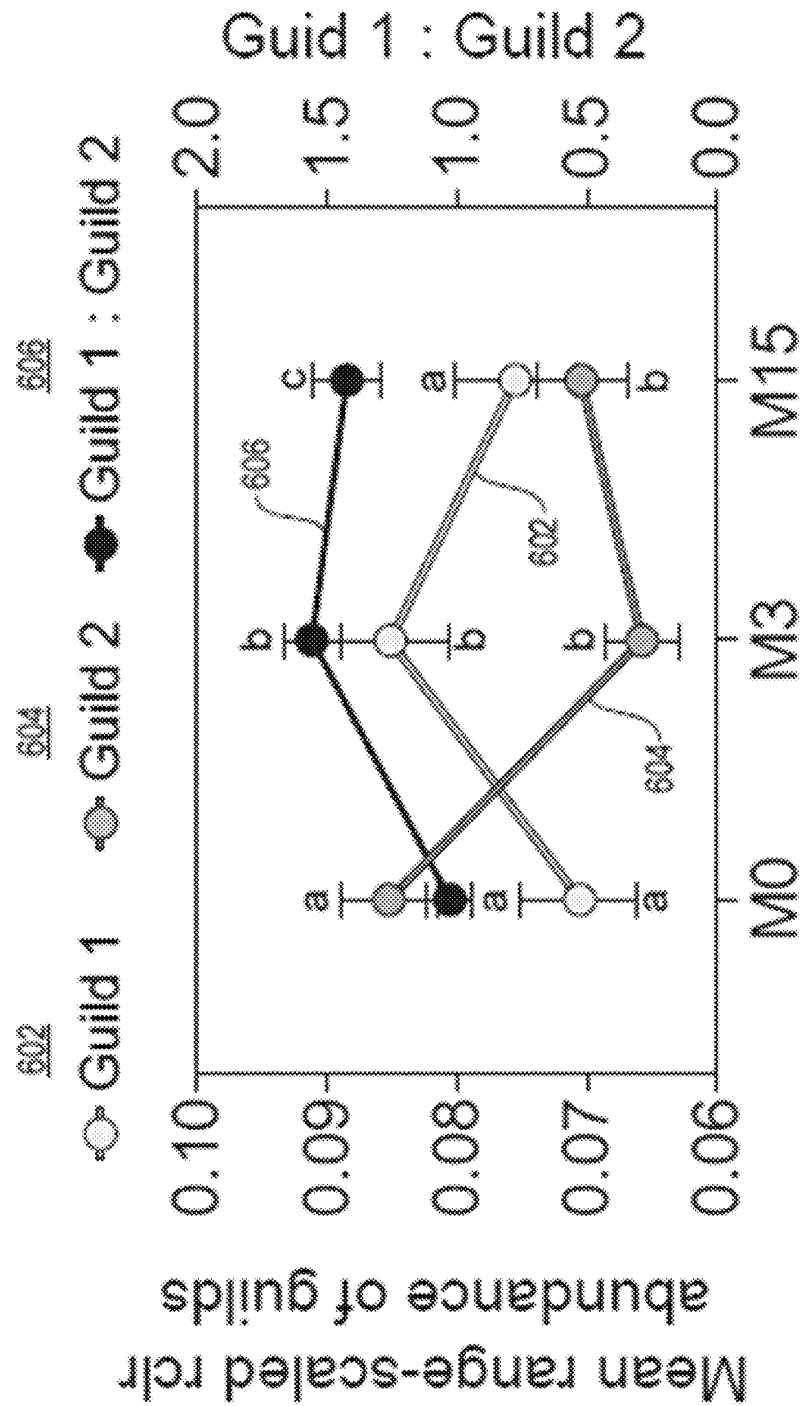


FIG. 6A

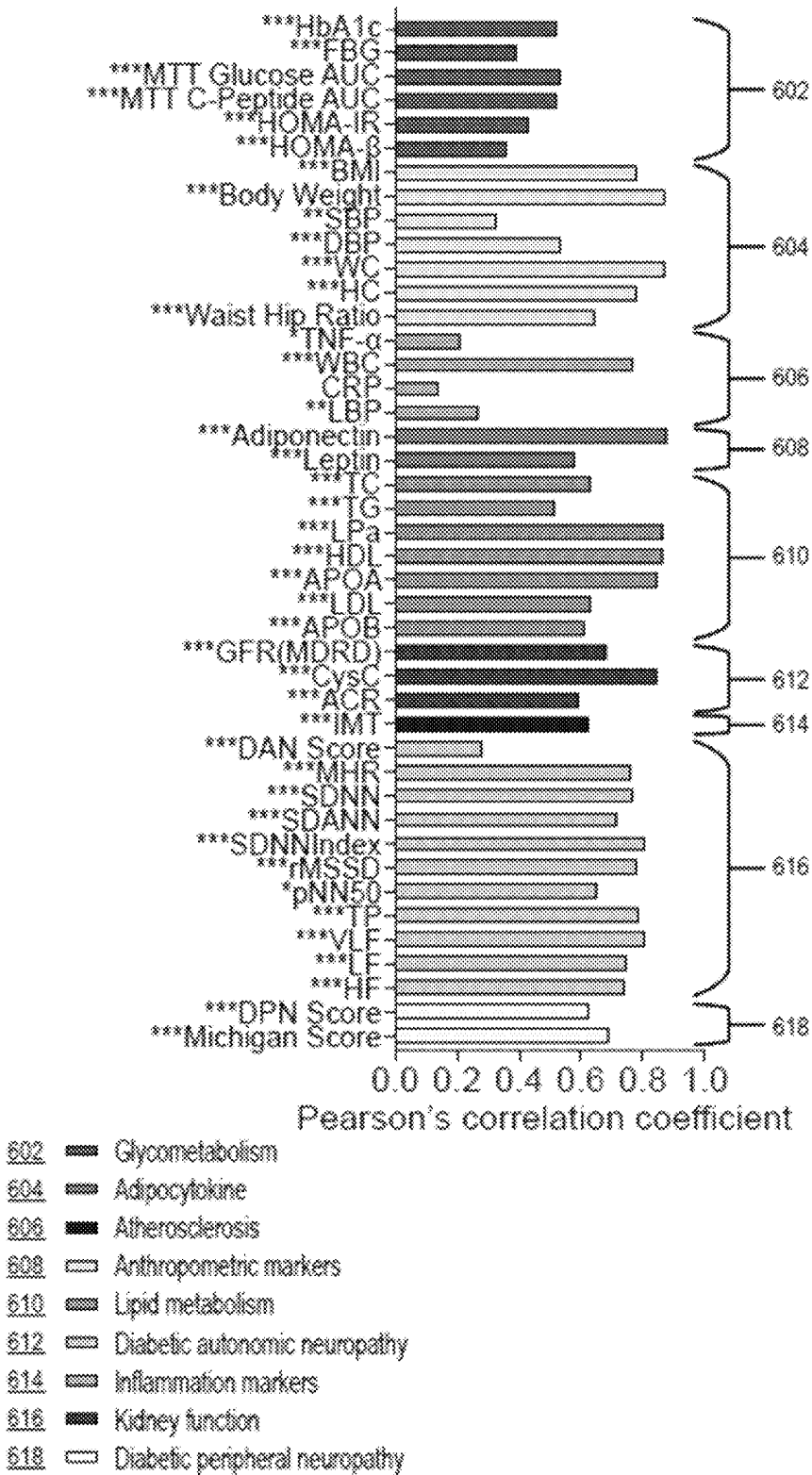


FIG. 6B

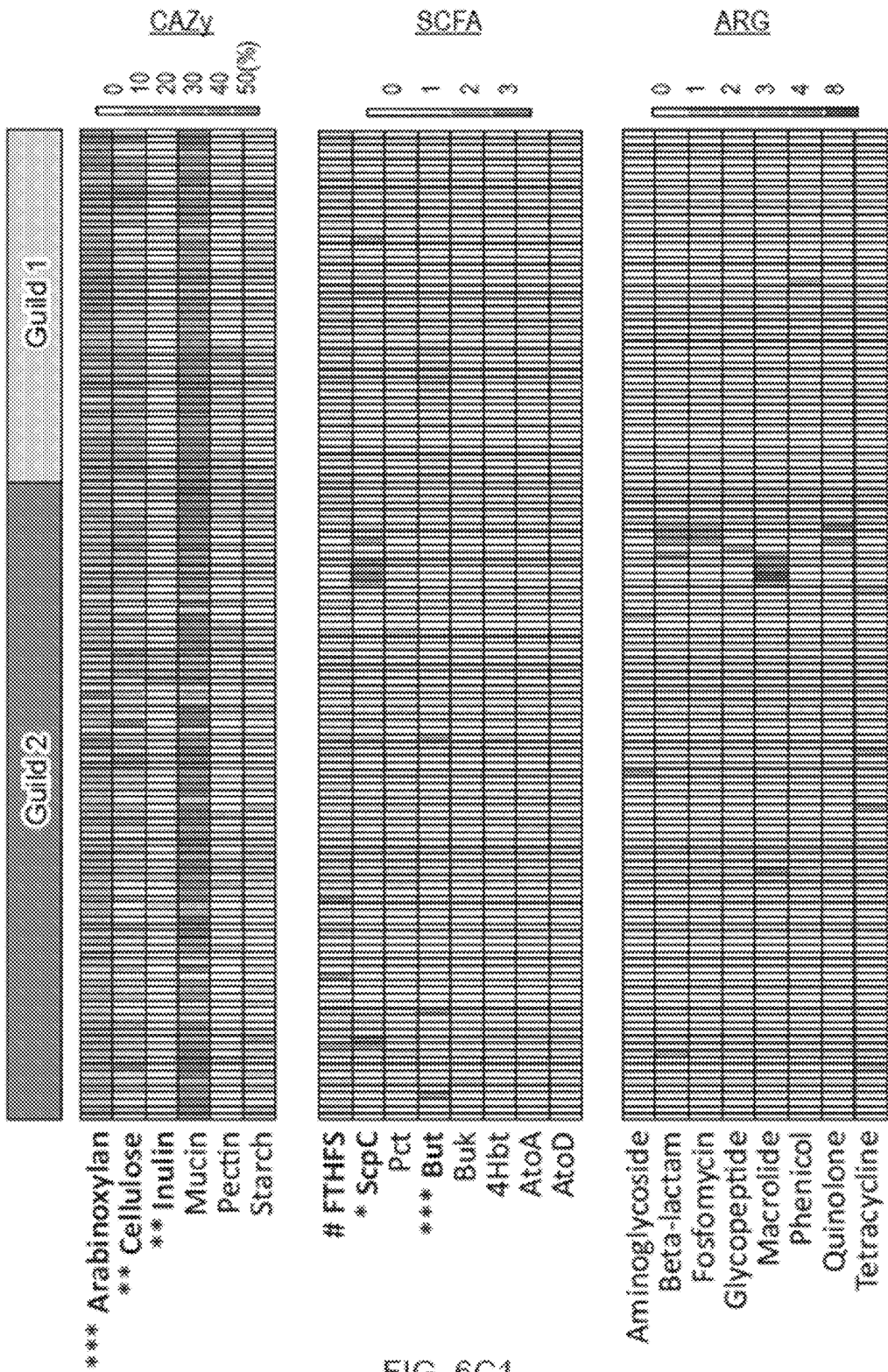


FIG. 6C1

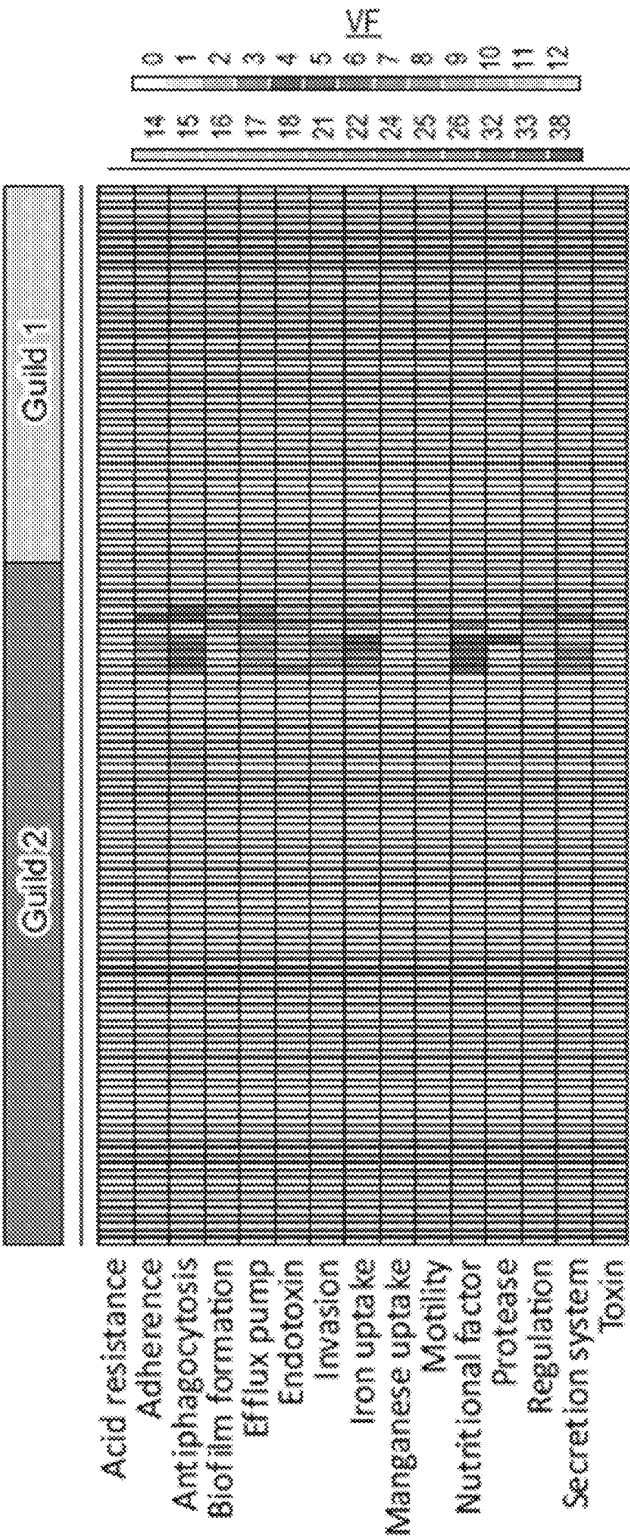
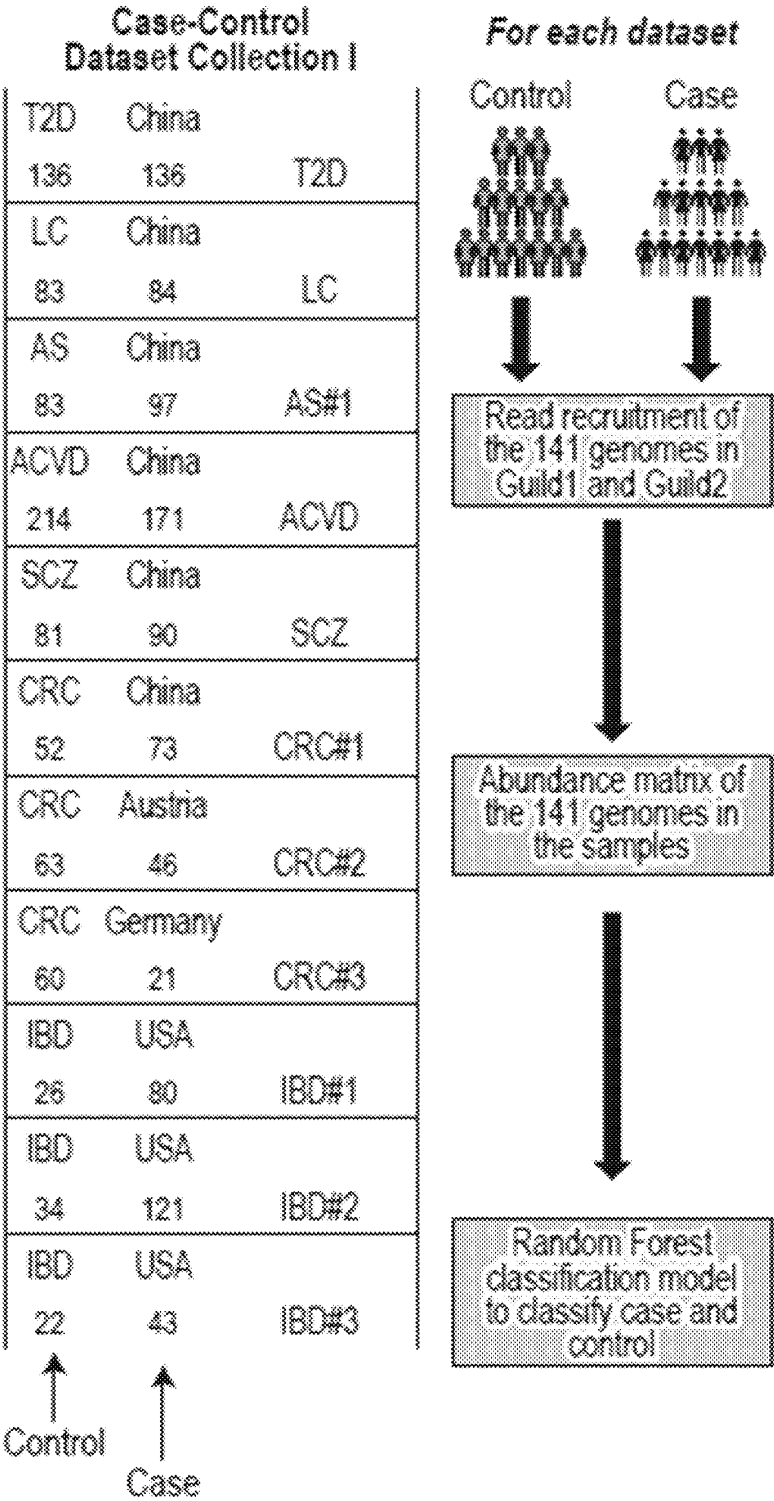


FIG. 6C2



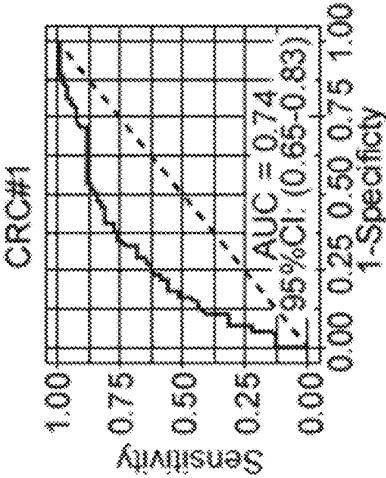


FIG. 6E3

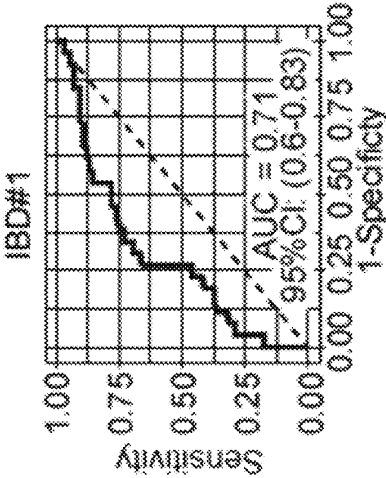


FIG. 6E6

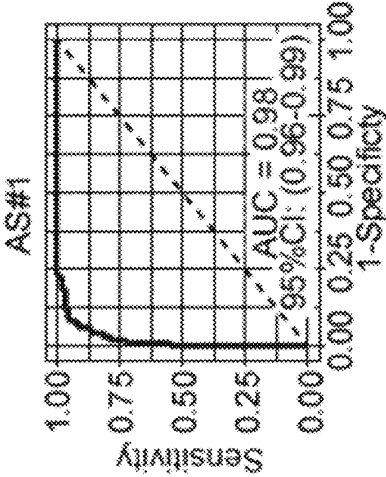


FIG. 6E2

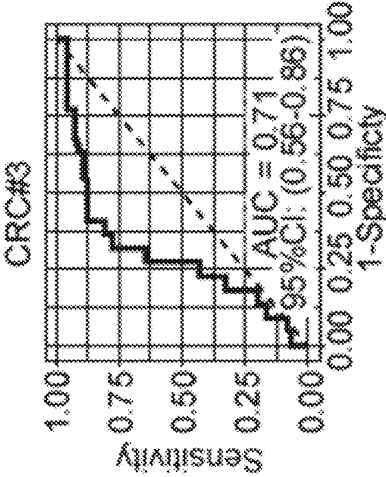


FIG. 6E5

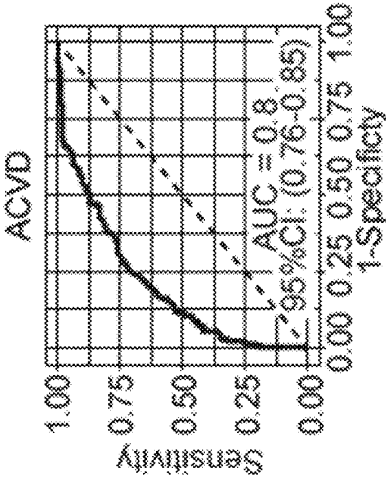


FIG. 6E1

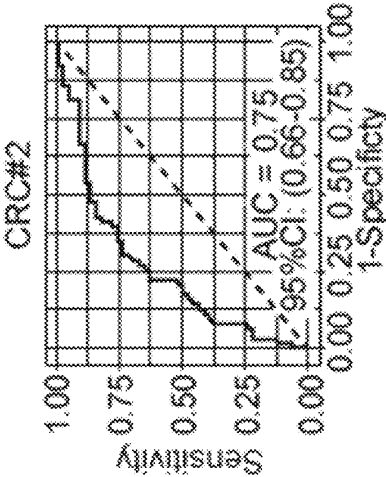


FIG. 6E4

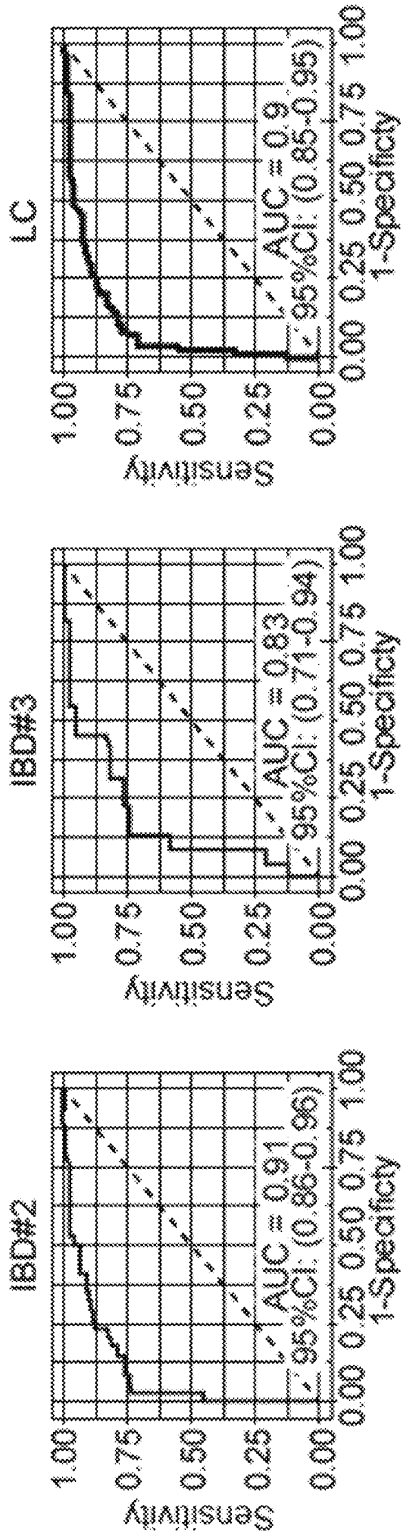


FIG. 6E7

FIG. 6E8

FIG. 6E9

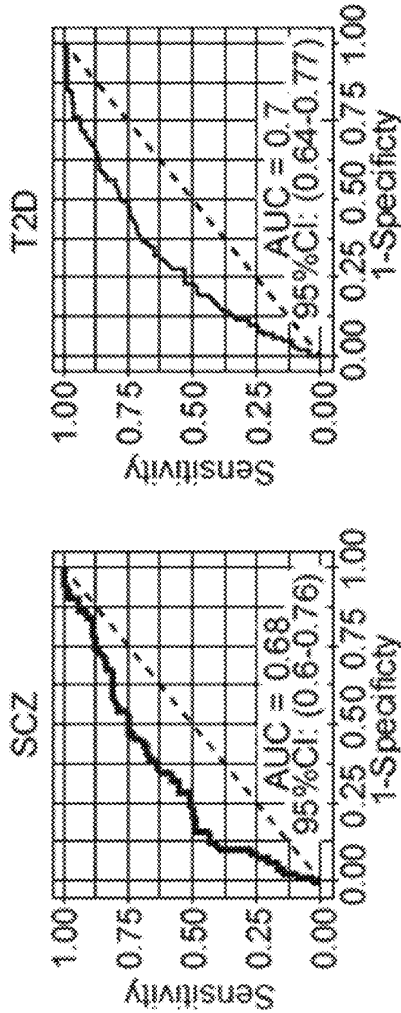
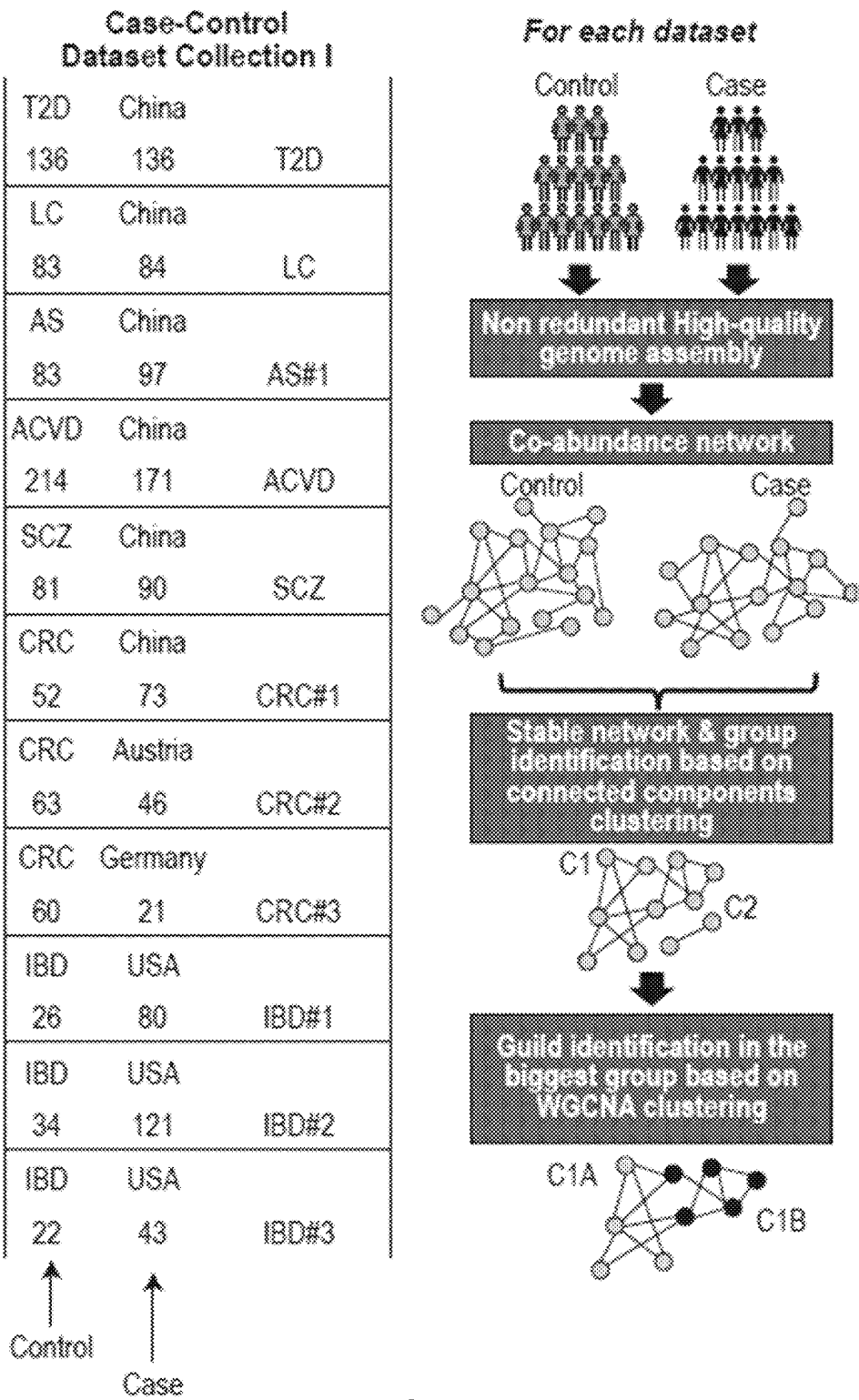


FIG. 6E10

FIG. 6E11



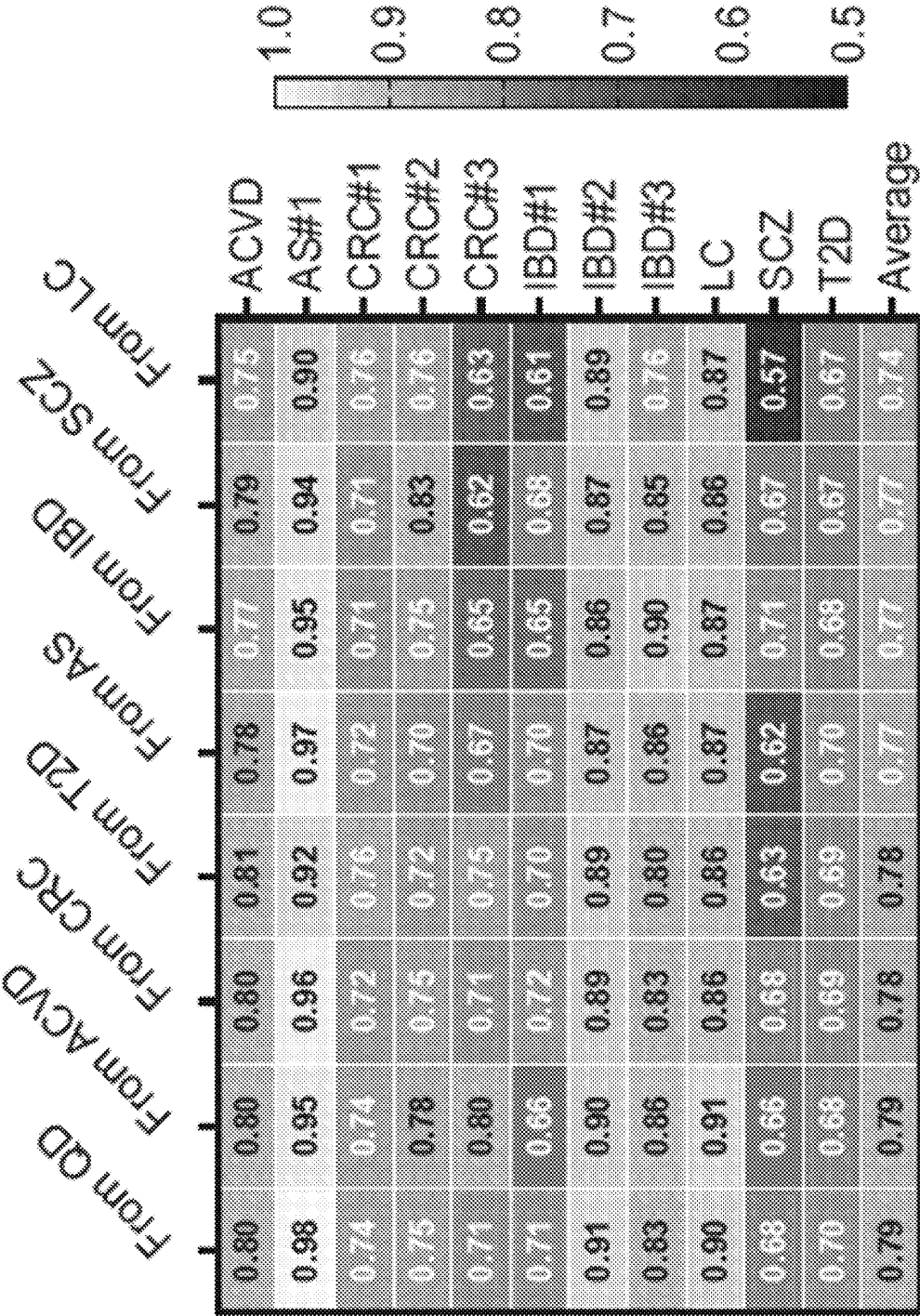


FIG. 7B

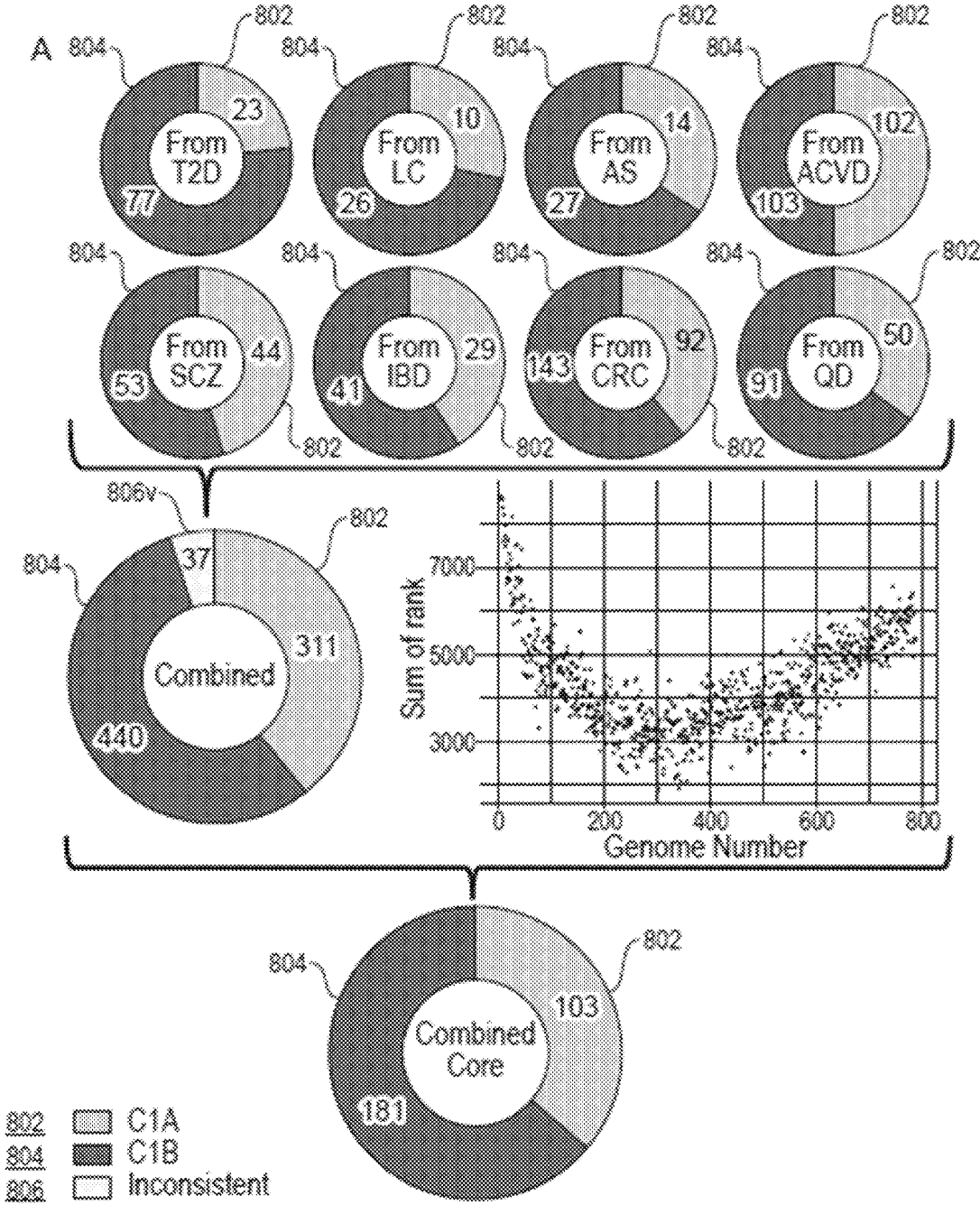


FIG. 8A

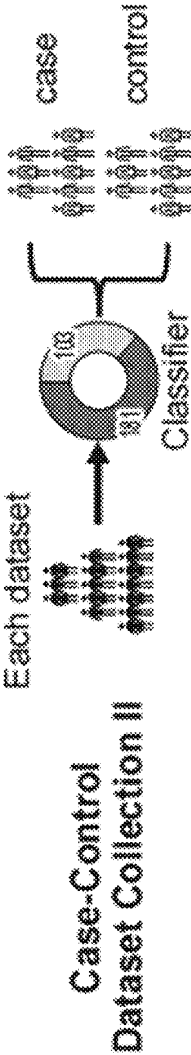


FIG. 8B1

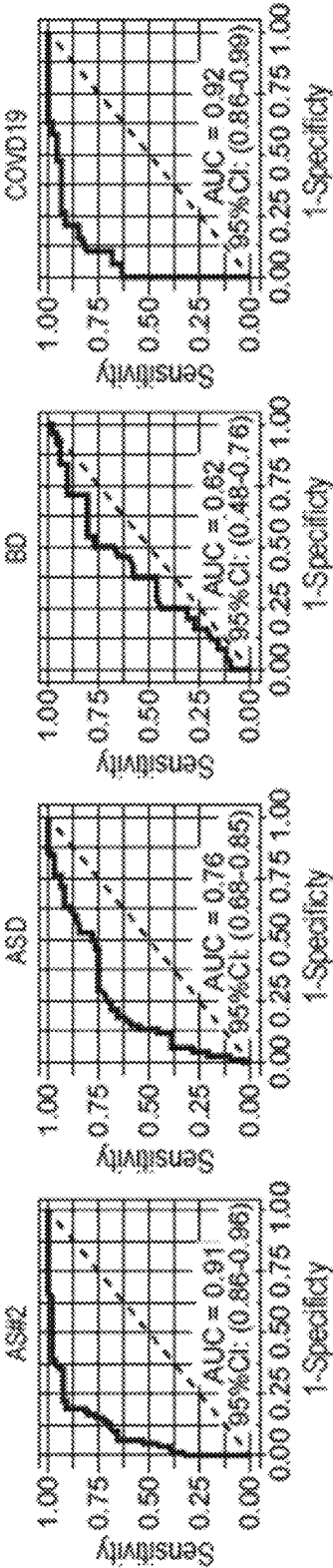
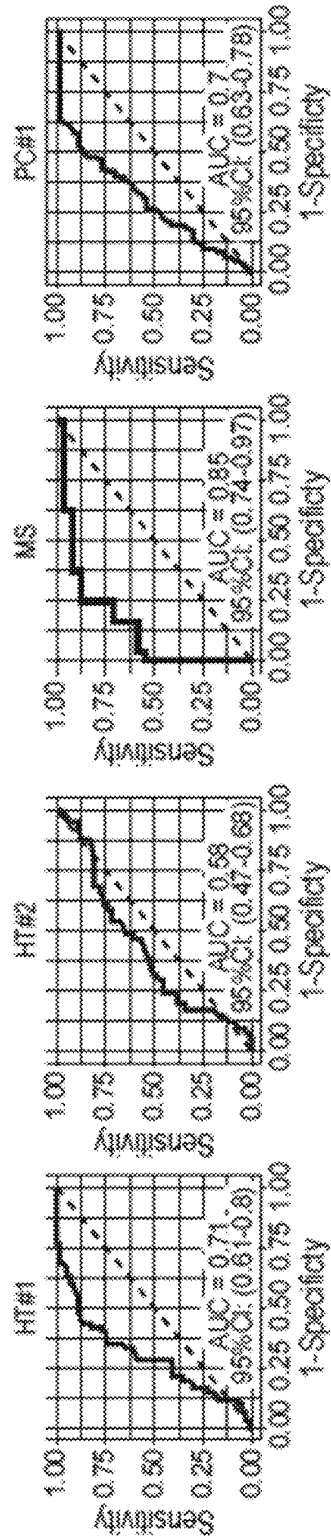
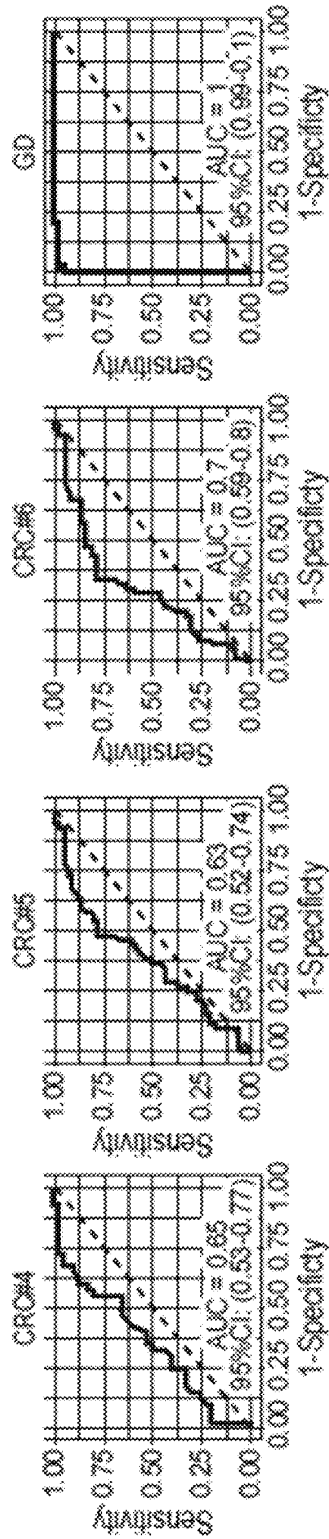


FIG. 8B2

FIG. 8B3

FIG. 8B4

FIG. 8B5



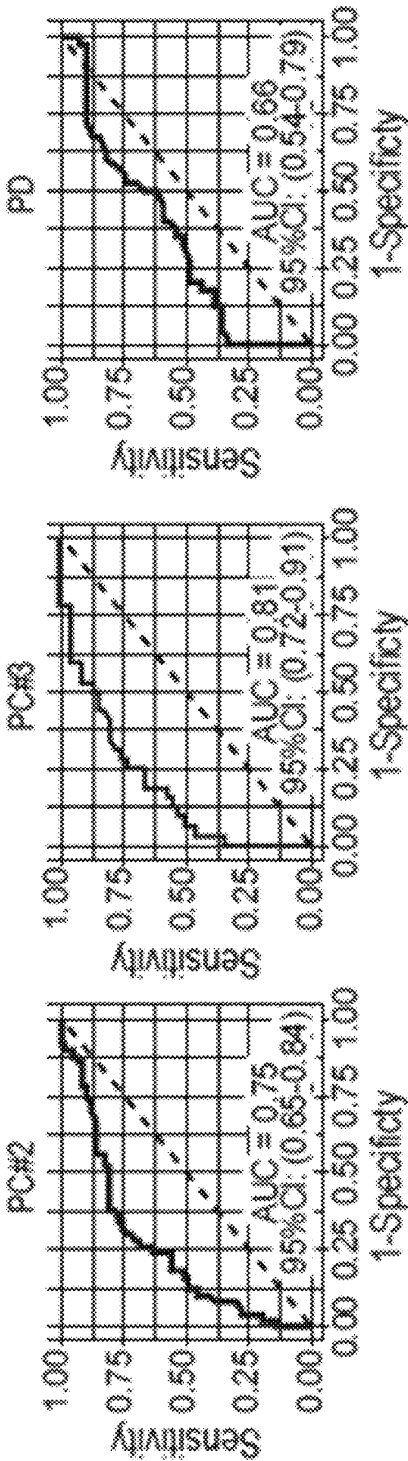


FIG. 8B14

FIG. 8B15

FIG. 8B16

Treatment Dataset Collection

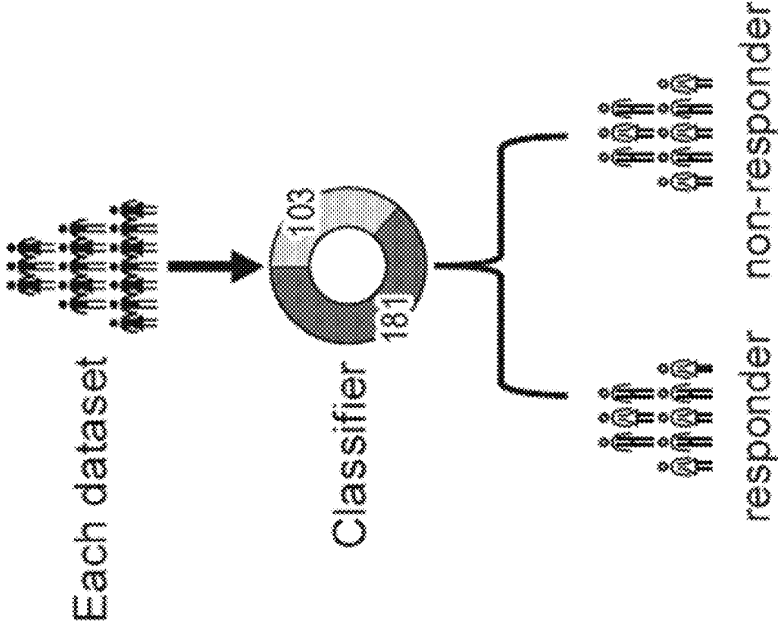


FIG. 8C1

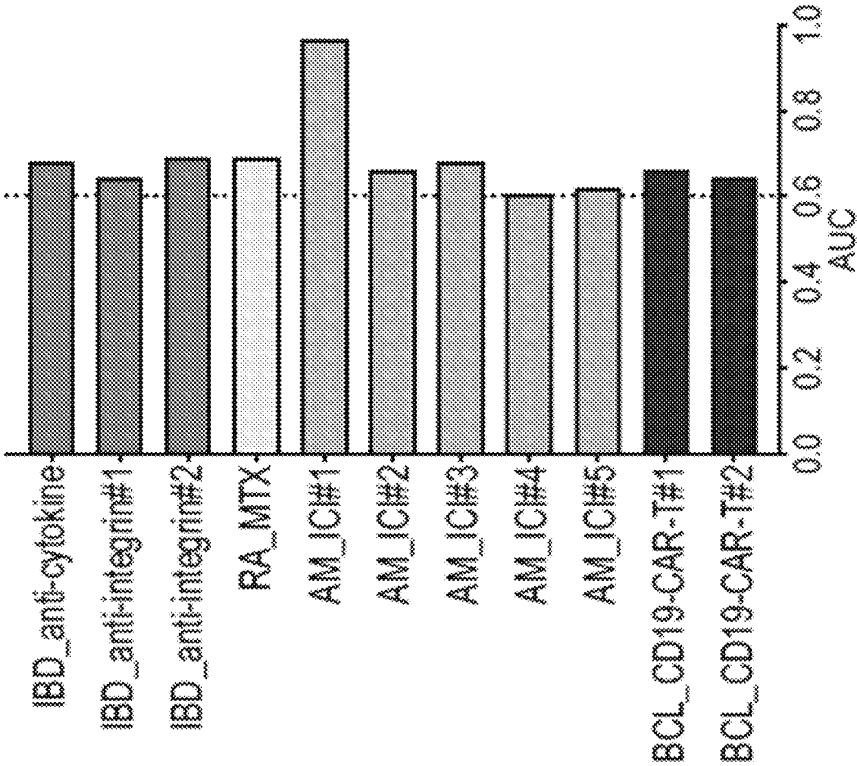


FIG. 8C2

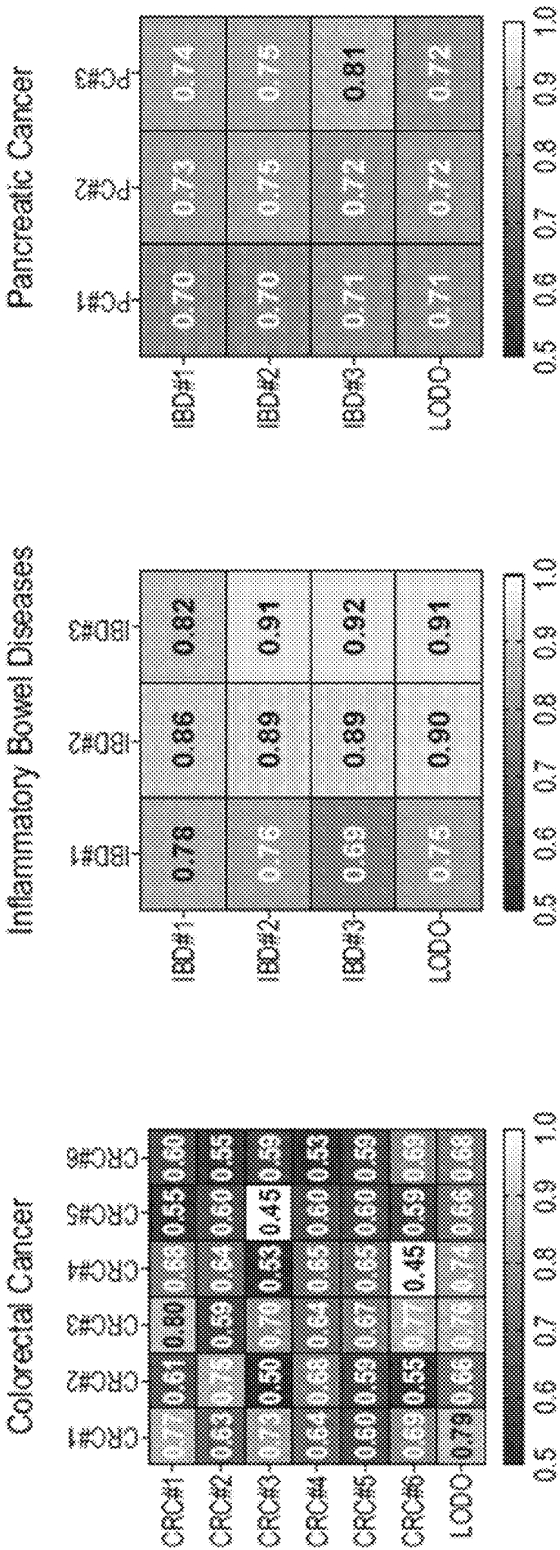


FIG. 9A

FIG. 9B

FIG. 9C

Inflammation Bowel Diseases
Anti-cytokine/Anti-antigen treatment

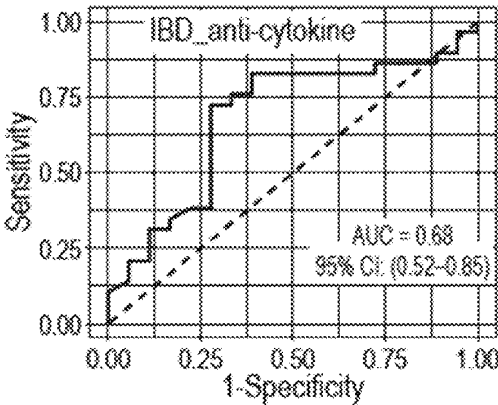


FIG. 10A1

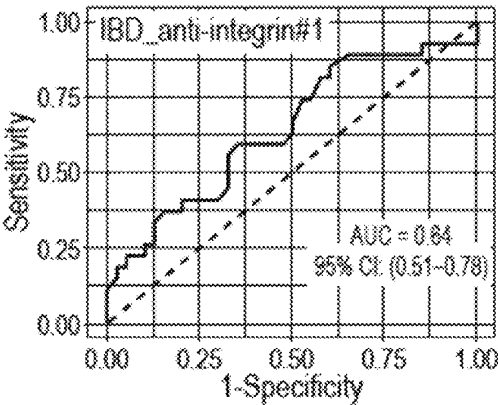


FIG. 10A2

Rheumatoid Arthritis
Methotrexate treatment

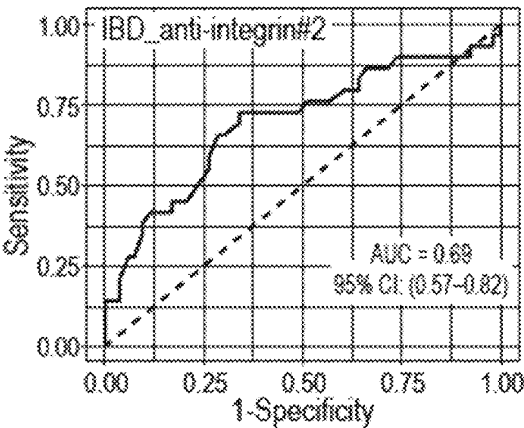


FIG. 10B1

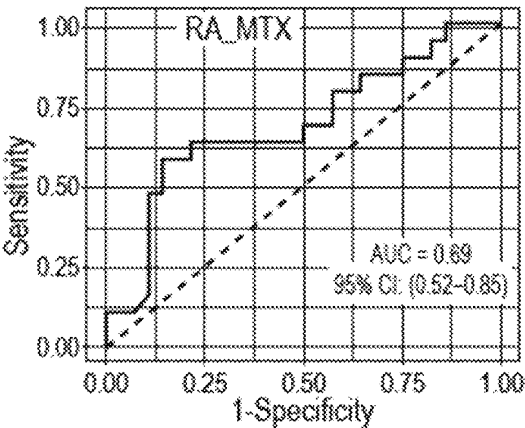


FIG. 10B2

Advanced Melanoma
Immune checkpoint inhibitor treatment

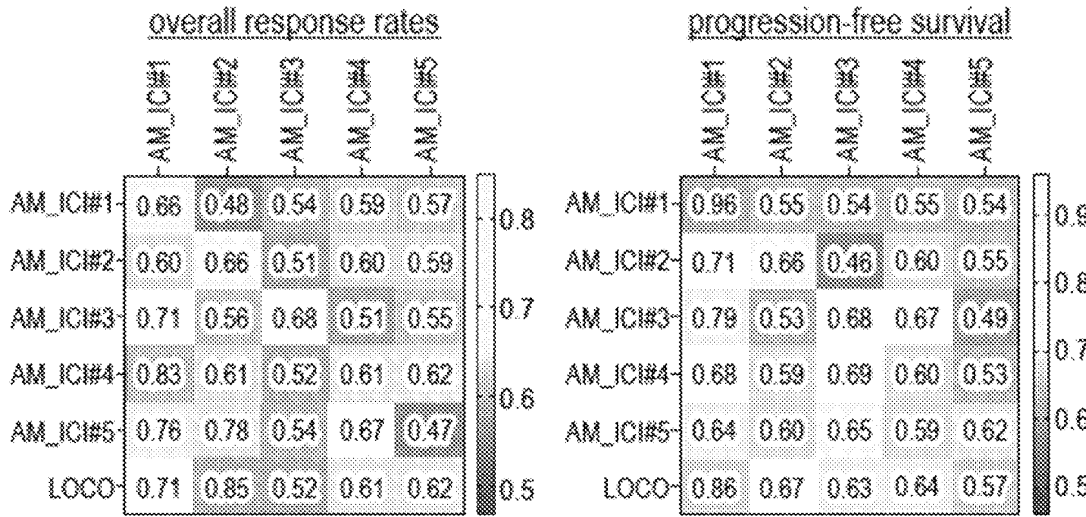


FIG. 10C1

FIG. 10C2

B cell lymphoma
CD19-CAR-T cell cancer immunotherapy

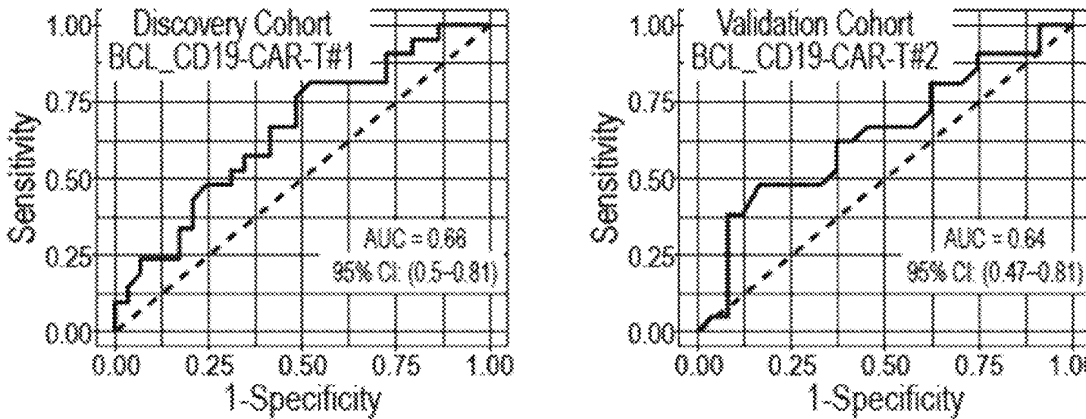


FIG. 10D1

FIG. 10D2

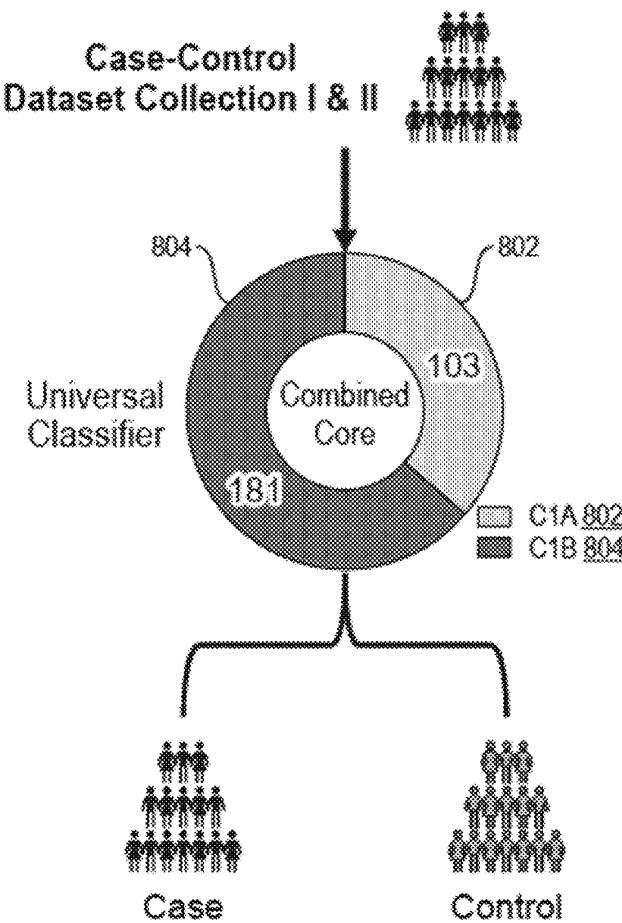


FIG. 11A

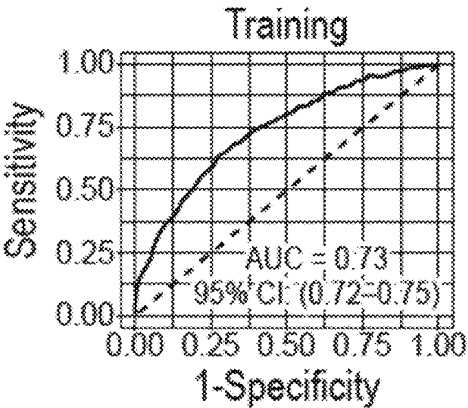


FIG. 11B1

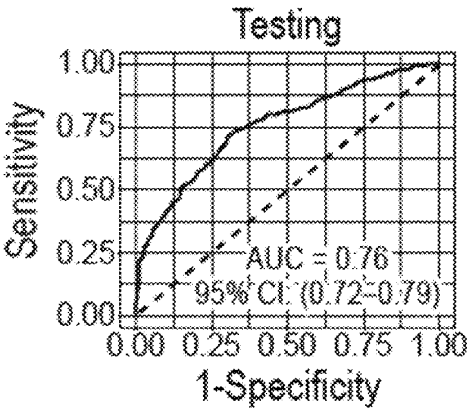


FIG. 11B2

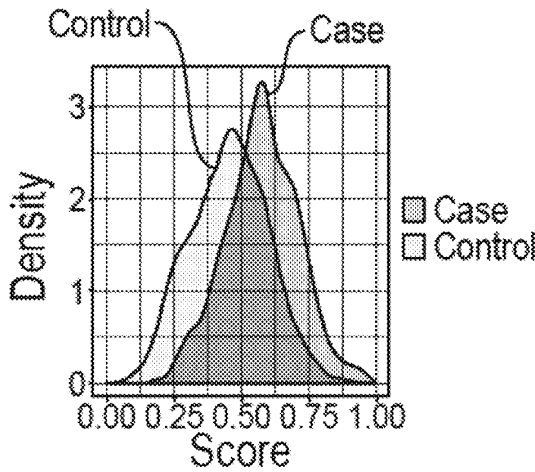


FIG. 11C1

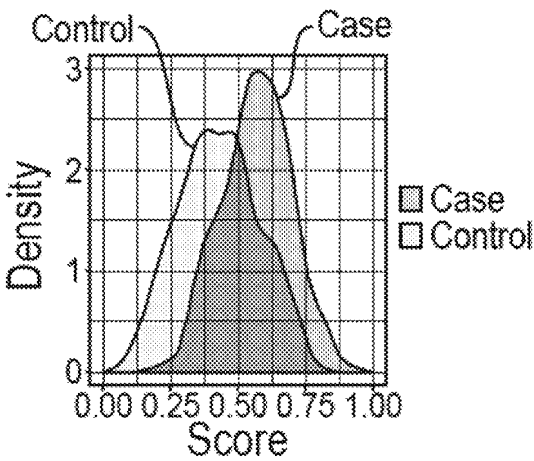


FIG. 11C2

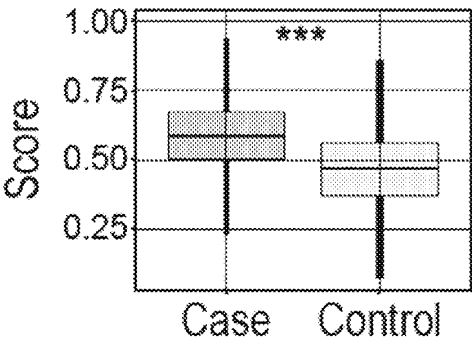


FIG. 11D1

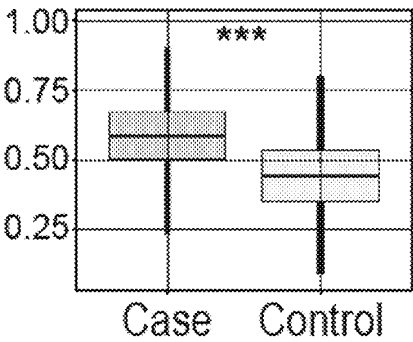


FIG. 11D2

Organism	Sequence Range of Contigs for Organism			Organism	Sequence Range of Contigs for Organism			Organism	Sequence Range of Contigs for Organism		
1U001.8	SEQ	ID NO:	1	to	SEQ	ID NO:	68	1W071.30	SEQ	ID NO:	4066
1U002.41	SEQ	ID NO:	69	to	SEQ	ID NO:	145	1W071.47	SEQ	ID NO:	4169
1U002.48	SEQ	ID NO:	146	to	SEQ	ID NO:	354	1W072.11	SEQ	ID NO:	4243
1U003.28	SEQ	ID NO:	355	to	SEQ	ID NO:	422	1W075.14	SEQ	ID NO:	4244
1U009.16	SEQ	ID NO:	423	to	SEQ	ID NO:	466	1W078.21	SEQ	ID NO:	4355
1U014.38	SEQ	ID NO:	467	to	SEQ	ID NO:	496	1W079.48	SEQ	ID NO:	4380
1U015.20	SEQ	ID NO:	497	to	SEQ	ID NO:	550	1W080.50	SEQ	ID NO:	4400
1U015.30	SEQ	ID NO:	551	to	SEQ	ID NO:	597	2U001.12	SEQ	ID NO:	4478
1U017.16	SEQ	ID NO:	598	to	SEQ	ID NO:	645	2U001.17	SEQ	ID NO:	4477
1U017.25	SEQ	ID NO:	646	to	SEQ	ID NO:	752	2U001.37	SEQ	ID NO:	4627
1U021.14	SEQ	ID NO:	753	to	SEQ	ID NO:	854	2U004.52	SEQ	ID NO:	4747
1U024.11	SEQ	ID NO:	855	to	SEQ	ID NO:	938	2U008.16	SEQ	ID NO:	4748
1U027.33	SEQ	ID NO:	939	to	SEQ	ID NO:	973	2U033.18	SEQ	ID NO:	4852
1U030.25	SEQ	ID NO:	974	to	SEQ	ID NO:	1017	2U033.43	SEQ	ID NO:	4946
1U030.5	SEQ	ID NO:	1018	to	SEQ	ID NO:	1120	2U037.14	SEQ	ID NO:	4973
1U035.49	SEQ	ID NO:	1121	to	SEQ	ID NO:	1169	2U037.18	SEQ	ID NO:	5324
1U035.55	SEQ	ID NO:	1170	to	SEQ	ID NO:	1217	2U038.12	SEQ	ID NO:	5423
1U036.17	SEQ	ID NO:	1218	to	SEQ	ID NO:	1275	2U038.5	SEQ	ID NO:	5500
1U036.46	SEQ	ID NO:	1276	to	SEQ	ID NO:	1319	2U001.17	SEQ	ID NO:	5539
1U036.9	SEQ	ID NO:	1320	to	SEQ	ID NO:	1425	2W001.22	SEQ	ID NO:	5604
1U038.18	SEQ	ID NO:	1426	to	SEQ	ID NO:	1457	2W001.42	SEQ	ID NO:	5813
1U038.6	SEQ	ID NO:	1458	to	SEQ	ID NO:	1517	2W002.29	SEQ	ID NO:	5891
1W001.34	SEQ	ID NO:	1518	to	SEQ	ID NO:	1547	2W004.25	SEQ	ID NO:	6172
1W006.13	SEQ	ID NO:	1548	to	SEQ	ID NO:	1716	2W005.9	SEQ	ID NO:	6226
1W011.28	SEQ	ID NO:	1717	to	SEQ	ID NO:	1817	2W007.23	SEQ	ID NO:	6305
1W012.66	SEQ	ID NO:	1818	to	SEQ	ID NO:	1857	2W009.30	SEQ	ID NO:	6352
1W023.15	SEQ	ID NO:	1858	to	SEQ	ID NO:	1922	2W011.21	SEQ	ID NO:	6415
1W023.20	SEQ	ID NO:	1923	to	SEQ	ID NO:	1972	2W023.30	SEQ	ID NO:	6535
1W023.6	SEQ	ID NO:	1973	to	SEQ	ID NO:	2019	2W025.8	SEQ	ID NO:	6592
1W026.10	SEQ	ID NO:	2020	to	SEQ	ID NO:	2178	2W026.44	SEQ	ID NO:	6739
1W030.27	SEQ	ID NO:	2179	to	SEQ	ID NO:	2290	2W027.13	SEQ	ID NO:	7002
1W032.17	SEQ	ID NO:	2291	to	SEQ	ID NO:	2434	2W027.27	SEQ	ID NO:	7035
1W032.19	SEQ	ID NO:	2435	to	SEQ	ID NO:	2747	2W029.13	SEQ	ID NO:	7170
1W033.3	SEQ	ID NO:	2748	to	SEQ	ID NO:	2800	2W034.32	SEQ	ID NO:	7199
1W033.9	SEQ	ID NO:	2801	to	SEQ	ID NO:	2883	2W037.10	SEQ	ID NO:	7271
1W036.28	SEQ	ID NO:	2884	to	SEQ	ID NO:	2935	2W043.20	SEQ	ID NO:	7325
1W037.25	SEQ	ID NO:	2936	to	SEQ	ID NO:	2986	2W043.36	SEQ	ID NO:	7369
1W037.27	SEQ	ID NO:	2987	to	SEQ	ID NO:	3048	2W048.49	SEQ	ID NO:	7517
1W038.31	SEQ	ID NO:	3049	to	SEQ	ID NO:	3211	2W050.17	SEQ	ID NO:	7616
1W042.8	SEQ	ID NO:	3212	to	SEQ	ID NO:	3259	2W053.46	SEQ	ID NO:	7685
1W059.36	SEQ	ID NO:	3260	to	SEQ	ID NO:	3358	2W062.21	SEQ	ID NO:	7812
1W062.68	SEQ	ID NO:	3359	to	SEQ	ID NO:	3391	2W064.32	SEQ	ID NO:	7903
1W065.34	SEQ	ID NO:	3392	to	SEQ	ID NO:	3510	2W065.60	SEQ	ID NO:	7984
1W070.8	SEQ	ID NO:	3511	to	SEQ	ID NO:	3991	2W067.16	SEQ	ID NO:	8117
1W071.19	SEQ	ID NO:	3992	to	SEQ	ID NO:	4065	2W067.69	SEQ	ID NO:	7983

FIG. 12A

Organism	Sequence Range of Contigs for Organism			Organism	Sequence Range of Contigs for Organism		
2W073.18	SEQ ID NO: 8965	to SEQ ID NO: 9126	ERR1018197.5	SEQ ID NO: 12743	to SEQ ID NO: 12774	ERR1018197.5	
2W073.55	SEQ ID NO: 9127	to SEQ ID NO: 9276	ERR1018197.9	SEQ ID NO: 12775	to SEQ ID NO: 12847	ERR1018197.9	
2W074.14	SEQ ID NO: 9277	to SEQ ID NO: 9326	ERR1018198.10	SEQ ID NO: 12848	to SEQ ID NO: 12912	ERR1018198.10	
2W080.51	SEQ ID NO: 9327	to SEQ ID NO: 9392	ERR1018198.9	SEQ ID NO: 12913	to SEQ ID NO: 12984	ERR1018198.9	
2W080.58	SEQ ID NO: 9393	to SEQ ID NO: 9475	ERR1018200.11	SEQ ID NO: 12985	to SEQ ID NO: 13088	ERR1018200.11	
3U005.26	SEQ ID NO: 9476	to SEQ ID NO: 9582	ERR1018200.15	SEQ ID NO: 13089	to SEQ ID NO: 13163	ERR1018200.15	
3U007.7	SEQ ID NO: 9583	to SEQ ID NO: 9624	ERR1018200.4	SEQ ID NO: 13164	to SEQ ID NO: 13353	ERR1018200.4	
3U010.20	SEQ ID NO: 9625	to SEQ ID NO: 9718	ERR1018204.1	SEQ ID NO: 13354	to SEQ ID NO: 13454	ERR1018204.1	
3U020.14	SEQ ID NO: 9719	to SEQ ID NO: 9879	ERR1018206.8	SEQ ID NO: 13455	to SEQ ID NO: 13631	ERR1018206.8	
3U023.7	SEQ ID NO: 9880	to SEQ ID NO: 10024	ERR1018210.9	SEQ ID NO: 13632	to SEQ ID NO: 13673	ERR1018210.9	
3U024.38	SEQ ID NO: 10025	to SEQ ID NO: 10044	ERR1018212.11	SEQ ID NO: 13674	to SEQ ID NO: 13870	ERR1018212.11	
3U033.37	SEQ ID NO: 10045	to SEQ ID NO: 10086	ERR1018213.10	SEQ ID NO: 13871	to SEQ ID NO: 13921	ERR1018213.10	
3U038.19	SEQ ID NO: 10087	to SEQ ID NO: 10144	ERR1018213.6	SEQ ID NO: 13922	to SEQ ID NO: 14090	ERR1018213.6	
3U040.11	SEQ ID NO: 10145	to SEQ ID NO: 10209	ERR1018213.7	SEQ ID NO: 14091	to SEQ ID NO: 14450	ERR1018213.7	
3W002.16	SEQ ID NO: 10210	to SEQ ID NO: 10262	ERR1018217.15	SEQ ID NO: 14451	to SEQ ID NO: 14535	ERR1018217.15	
3W015.22	SEQ ID NO: 10263	to SEQ ID NO: 10302	ERR1018218.4	SEQ ID NO: 14536	to SEQ ID NO: 14629	ERR1018218.4	
3W023.3	SEQ ID NO: 10303	to SEQ ID NO: 10415	ERR1018219.12	SEQ ID NO: 14630	to SEQ ID NO: 14687	ERR1018219.12	
3W028.33	SEQ ID NO: 10416	to SEQ ID NO: 10446	ERR1018219.9	SEQ ID NO: 14688	to SEQ ID NO: 14974	ERR1018219.9	
3W039.10	SEQ ID NO: 10447	to SEQ ID NO: 10486	ERR1018223.9	SEQ ID NO: 14975	to SEQ ID NO: 15130	ERR1018223.9	
3W042.11	SEQ ID NO: 10487	to SEQ ID NO: 10550	ERR1018226.10	SEQ ID NO: 15131	to SEQ ID NO: 15201	ERR1018226.10	
3W048.18	SEQ ID NO: 10551	to SEQ ID NO: 10615	ERR1018229.14	SEQ ID NO: 15202	to SEQ ID NO: 15374	ERR1018229.14	
3W049.14	SEQ ID NO: 10616	to SEQ ID NO: 10680	ERR1018230.10	SEQ ID NO: 15375	to SEQ ID NO: 15416	ERR1018230.10	
3W052.32	SEQ ID NO: 10681	to SEQ ID NO: 10779	ERR1018232.13	SEQ ID NO: 15417	to SEQ ID NO: 15614	ERR1018232.13	
3W054.11	SEQ ID NO: 10780	to SEQ ID NO: 10850	ERR1018232.6	SEQ ID NO: 15615	to SEQ ID NO: 15742	ERR1018232.6	
3W055.19	SEQ ID NO: 10851	to SEQ ID NO: 10886	ERR1018233.3	SEQ ID NO: 15743	to SEQ ID NO: 15818	ERR1018233.3	
3W062.32	SEQ ID NO: 10887	to SEQ ID NO: 10965	ERR1018237.9	SEQ ID NO: 15819	to SEQ ID NO: 15939	ERR1018237.9	
3W067.18	SEQ ID NO: 10966	to SEQ ID NO: 11045	ERR1018237.11	SEQ ID NO: 15940	to SEQ ID NO: 16021	ERR1018237.11	
3W072.38	SEQ ID NO: 11046	to SEQ ID NO: 11078	ERR1018238.17	SEQ ID NO: 16022	to SEQ ID NO: 16185	ERR1018238.17	
3W073.49	SEQ ID NO: 11079	to SEQ ID NO: 11118	ERR1018238.17	SEQ ID NO: 16186	to SEQ ID NO: 16308	ERR1018238.17	
3W074.2	SEQ ID NO: 11119	to SEQ ID NO: 11166	ERR1018239.3	SEQ ID NO: 16309	to SEQ ID NO: 16626	ERR1018239.3	
3W079.9	SEQ ID NO: 11167	to SEQ ID NO: 11234	ERR1018241.8	SEQ ID NO: 16627	to SEQ ID NO: 16676	ERR1018241.8	
3W080.19	SEQ ID NO: 11235	to SEQ ID NO: 11274	ERR1018244.15	SEQ ID NO: 16677	to SEQ ID NO: 16874	ERR1018244.15	
3W080.64	SEQ ID NO: 11275	to SEQ ID NO: 11355	ERR1018244.21	SEQ ID NO: 16875	to SEQ ID NO: 17042	ERR1018244.21	
CSM79HP4.3	SEQ ID NO: 11356	to SEQ ID NO: 11440	ERR1018246.17	SEQ ID NO: 17043	to SEQ ID NO: 17179	ERR1018246.17	
ERR1018185.1	SEQ ID NO: 11441	to SEQ ID NO: 11527	ERR1018249.8	SEQ ID NO: 17180	to SEQ ID NO: 17406	ERR1018249.8	
ERR1018186.12	SEQ ID NO: 11528	to SEQ ID NO: 11654	ERR1018250.9	SEQ ID NO: 17407	to SEQ ID NO: 17784	ERR1018250.9	
ERR1018187.16	SEQ ID NO: 11655	to SEQ ID NO: 11794	ERR1018252.14	SEQ ID NO: 17785	to SEQ ID NO: 17867	ERR1018252.14	
ERR1018187.4	SEQ ID NO: 11795	to SEQ ID NO: 11858	ERR1018258.16	SEQ ID NO: 17868	to SEQ ID NO: 17989	ERR1018258.16	
ERR1018188.11	SEQ ID NO: 11859	to SEQ ID NO: 11957	ERR1018258.4	SEQ ID NO: 17990	to SEQ ID NO: 18133	ERR1018258.4	
ERR1018189.10	SEQ ID NO: 11958	to SEQ ID NO: 12097	ERR1018262.5	SEQ ID NO: 18134	to SEQ ID NO: 18391	ERR1018262.5	
ERR1018191.1	SEQ ID NO: 12098	to SEQ ID NO: 12174	ERR1018263.13	SEQ ID NO: 18392	to SEQ ID NO: 18565	ERR1018263.13	
ERR1018192.1	SEQ ID NO: 12175	to SEQ ID NO: 12353	ERR1018264.2	SEQ ID NO: 18566	to SEQ ID NO: 18682	ERR1018264.2	
ERR1018192.4	SEQ ID NO: 12354	to SEQ ID NO: 12393	ERR1018267.4	SEQ ID NO: 18683	to SEQ ID NO: 18866	ERR1018267.4	
ERR1018192.8	SEQ ID NO: 12394	to SEQ ID NO: 12742	ERR1018275.8	SEQ ID NO: 18867	to SEQ ID NO: 18940	ERR1018275.8	

FIG. 12B

Organism	Sequence Range of Contigs for Organism	Organism	Sequence Range of Contigs for Organism
ERR1018277	19270	ERR2017539	14
ERR1018278	19320	ERR2017540	1
ERR1018279	19352	ERR2017541	4
ERR1018280	19497	ERR2017542	5
ERR1018281	19581	ERR2017543	1
ERR1018282	19611	ERR2017544	14
ERR1018283	19662	ERR2017545	1
ERR1018284	19668	ERR2017546	1
ERR1018285	19681	ERR2017547	1
ERR1018286	19688	ERR2017548	1
ERR1018287	19698	ERR2017549	1
ERR1018288	19708	ERR2017550	13
ERR1018289	19716	ERR2017551	1
ERR1018290	19720	ERR2017552	8
ERR1018291	19724	ERR2017553	15
ERR1018292	19728	ERR2017554	18
ERR1018293	19734	ERR2017555	23
ERR1018294	19738	ERR2017556	14
ERR1018295	19742	ERR2017557	21
ERR1018296	19746	ERR2017558	2
ERR1018297	19750	ERR2017559	9
ERR1018298	19754	ERR2017560	3
ERR1018299	19758	ERR2017561	1
ERR1018300	19762	ERR2017562	1
ERR1018301	19766	ERR2017563	1
ERR1018302	19770	ERR2017564	1
ERR1018303	19774	ERR2017565	1
ERR1018304	19778	ERR2017566	2
ERR1018305	19782	ERR2017567	2
ERR1018306	19786	ERR2017568	2
ERR1018307	19790	ERR2017569	3
ERR1018308	19794	ERR2017570	3
ERR1018309	19798	ERR2017571	1
ERR1018310	19802	ERR2017572	1
ERR1018311	19806	ERR2017573	1
ERR1018312	19810	ERR2017574	1
ERR1018313	19814	ERR2017575	6
ERR1018314	19818	ERR2017576	1
ERR1018315	19822	ERR2017577	1
ERR1018316	19826	ERR2017578	1
ERR1018317	19830	ERR2017579	1
ERR1018318	19834	ERR2017580	1
ERR1018319	19838	ERR2017581	1
ERR1018320	19842	ERR2017582	6
ERR1018321	19846	ERR2017583	5
ERR1018322	19850	ERR2017584	1
ERR1018323	19854	ERR2017585	1
ERR1018324	19858	ERR2017586	1
ERR1018325	19862	ERR2017587	1
ERR1018326	19866	ERR2017588	1
ERR1018327	19870	ERR2017589	1
ERR1018328	19874	ERR2017590	1
ERR1018329	19878	ERR2017591	1
ERR1018330	19882	ERR2017592	1
ERR1018331	19886	ERR2017593	1
ERR1018332	19890	ERR2017594	1
ERR1018333	19894	ERR2017595	1
ERR1018334	19898	ERR2017596	1
ERR1018335	19902	ERR2017597	1
ERR1018336	19906	ERR2017598	1
ERR1018337	19910	ERR2017599	1
ERR1018338	19914	ERR2017600	1
ERR1018339	19918	ERR2017601	1
ERR1018340	19922	ERR2017602	1
ERR1018341	19926	ERR2017603	1
ERR1018342	19930	ERR2017604	1
ERR1018343	19934	ERR2017605	1
ERR1018344	19938	ERR2017606	1
ERR1018345	19942	ERR2017607	1
ERR1018346	19946	ERR2017608	1
ERR1018347	19950	ERR2017609	1
ERR1018348	19954	ERR2017610	1
ERR1018349	19958	ERR2017611	1
ERR1018350	19962	ERR2017612	1
ERR1018351	19966	ERR2017613	1
ERR1018352	19970	ERR2017614	1
ERR1018353	19974	ERR2017615	1
ERR1018354	19978	ERR2017616	1
ERR1018355	19982	ERR2017617	1
ERR1018356	19986	ERR2017618	1
ERR1018357	19990	ERR2017619	1
ERR1018358	19994	ERR2017620	1
ERR1018359	19998	ERR2017621	1
ERR1018360	20002	ERR2017622	1
ERR1018361	20006	ERR2017623	1
ERR1018362	20010	ERR2017624	1
ERR1018363	20014	ERR2017625	1
ERR1018364	20018	ERR2017626	

FIG. 12C

Organism	Sequence Range of Contigs for Organism	Organism	Sequence Range of Contigs for Organism
ERR2017617.4	30789	ERR2017682.10	36029
ERR2017618.2	30833	ERR2017683.9	36048
ERR2017618.4	30899	ERR2017685.7	36162
ERR2017620.7	30946	ERR2017687.12	36181
ERR2017622.3	31126	ERR2017687.14	36209
ERR2017625.0	31245	ERR2017692.23	36418
ERR2017630.1	31339	ERR2017693.21	36544
ERR2017634.5	31455	ERR2017694.4	36609
ERR2017635.1	31556	ERR2017696.13	36646
ERR2017636.1	31694	ERR2017696.8	36821
ERR2017636.17	31918	ERR2017696.13	37074
ERR2017636.17	31965	ERR2017699.13	37129
ERR2017638.10	32184	ERR2017700.13	37303
ERR2017639.10	32347	ERR2017701.13	37381
ERR2017641.10	32451	ERR2017711.13	37475
ERR2017641.12	32512	ERR2017702.9	37548
ERR2017644.3	32721	ERR2017705.14	37794
ERR2017647.13	32776	ERR2017706.14	37875
ERR2017650.13	32821	ERR2017708.11	38042
ERR2017651.11	32905	ERR2017713.3	38229
ERR2017654.11	33207	ERR2017714.15	38474
ERR2017657.11	33232	ERR2017716.13	38683
ERR2017659.10	33269	ERR2017717.3	38747
ERR2017660.13	33469	ERR2017718.6	38855
ERR2017661.9	33587	ERR2017719.15	39002
ERR2017662.13	33710	ERR2017720.11	39129
ERR2017663.11	33822	ERR2017721.14	39187
ERR2017664.20	33864	ERR2017722.10	39259
ERR2017665.9	34044	ERR2017723.9	39330
ERR2017666.13	34163	ERR2017724.15	39460
ERR2017667.13	34266	ERR2017725.22	39540
ERR2017668.6	34597	ERR2017726.10	39577
ERR2017669.13	34785	ERR2017727.2	39746
ERR2017670.11	34929	ERR2017728.12	39790
ERR2017671.11	35096	ERR2017729.11	39822
ERR2017672.4	35176	ERR2017730.16	39976
ERR2017673.11	35248	ERR2017731.2	40305
ERR2017674.3	35286	ERR2017732.5	40392
ERR2017675.18	35419	ERR2017733.12	40492
ERR2017676.1	35473	ERR2017734.16	40543
ERR2017677.1	35603	ERR2017735.11	40608
ERR2017678.1	35670	ERR2017736.2	40805
ERR2017680.11	35774	ERR2017737.15	40957
ERR2017680.3	35962	ERR2017738.15	40957
	36028		

FIG. 12D

<u>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	ERR2726493.5	SEQ	ID NO:	48471	to SEQ
ERR2017744.12	SEQ	ID NO:	41088	to SEQ	ERR2726498.16	SEQ	ID NO:	48503	to SEQ
ERR2017746.14	SEQ	ID NO:	41560	to SEQ	ERR2726498.24	SEQ	ID NO:	48558	to SEQ
ERR2017747.7	SEQ	ID NO:	41668	to SEQ	ERR2726500.2	SEQ	ID NO:	48621	to SEQ
ERR2017749.25	SEQ	ID NO:	41834	to SEQ	ERR2726502.1	SEQ	ID NO:	48663	to SEQ
ERR2017750.12	SEQ	ID NO:	42023	to SEQ	ERR2726502.18	SEQ	ID NO:	48756	to SEQ
ERR2017750.5	SEQ	ID NO:	42110	to SEQ	ERR2726512.12	SEQ	ID NO:	48926	to SEQ
ERR2017756.6	SEQ	ID NO:	42419	to SEQ	ERR2726522.5	SEQ	ID NO:	48977	to SEQ
ERR2017759.6	SEQ	ID NO:	42730	to SEQ	ERR2726527.4	SEQ	ID NO:	49173	to SEQ
ERR2017771.1	SEQ	ID NO:	42967	to SEQ	ERR2726532.18	SEQ	ID NO:	49202	to SEQ
ERR2017774.3	SEQ	ID NO:	43232	to SEQ	ERR2726532.18	SEQ	ID NO:	49366	to SEQ
ERR2017779.7	SEQ	ID NO:	43679	to SEQ	ERR2855787.12	SEQ	ID NO:	49494	to SEQ
ERR2017781.12	SEQ	ID NO:	44032	to SEQ	ERR2855788.21	SEQ	ID NO:	49753	to SEQ
ERR2017814.13	SEQ	ID NO:	44415	to SEQ	ERR2855789.4	SEQ	ID NO:	49931	to SEQ
ERR2726406.14	SEQ	ID NO:	44636	to SEQ	ERR2855789.6	SEQ	ID NO:	50011	to SEQ
ERR2726406.16	SEQ	ID NO:	44848	to SEQ	ERR2855790.1	SEQ	ID NO:	50078	to SEQ
ERR2726408.23	SEQ	ID NO:	45026	to SEQ	ERR2855790.9	SEQ	ID NO:	50225	to SEQ
ERR2726410.2	SEQ	ID NO:	45162	to SEQ	ERR2855792.6	SEQ	ID NO:	50308	to SEQ
ERR2726411.1	SEQ	ID NO:	45255	to SEQ	ERR2855795.12	SEQ	ID NO:	50392	to SEQ
ERR2726419.10	SEQ	ID NO:	45408	to SEQ	ERR2855799.8	SEQ	ID NO:	50480	to SEQ
ERR2726420.13	SEQ	ID NO:	45570	to SEQ	ERR2855800.13	SEQ	ID NO:	50615	to SEQ
ERR2726422.1	SEQ	ID NO:	45660	to SEQ	ERR2855802.12	SEQ	ID NO:	50670	to SEQ
ERR2726423.2	SEQ	ID NO:	45796	to SEQ	ERR2855806.4	SEQ	ID NO:	50737	to SEQ
ERR2726427.30	SEQ	ID NO:	45901	to SEQ	ERR2855807.1	SEQ	ID NO:	50888	to SEQ
ERR2726431.13	SEQ	ID NO:	45947	to SEQ	ERR2855808.13	SEQ	ID NO:	50995	to SEQ
ERR2726433.15	SEQ	ID NO:	45978	to SEQ	ERR2855810.2	SEQ	ID NO:	51067	to SEQ
ERR2726433.6	SEQ	ID NO:	46122	to SEQ	ERR2855813.15	SEQ	ID NO:	51153	to SEQ
ERR2726447.12	SEQ	ID NO:	46289	to SEQ	ERR2855814.14	SEQ	ID NO:	51292	to SEQ
ERR2726447.19	SEQ	ID NO:	46387	to SEQ	ERR2855816.5	SEQ	ID NO:	51348	to SEQ
ERR2726447.2	SEQ	ID NO:	46493	to SEQ	ERR2855821.2	SEQ	ID NO:	51624	to SEQ
ERR2726450.11	SEQ	ID NO:	46770	to SEQ	ERR2855821.4	SEQ	ID NO:	51770	to SEQ
ERR2726450.6	SEQ	ID NO:	47157	to SEQ	ERR2855822.32	SEQ	ID NO:	51859	to SEQ
ERR2726451.2	SEQ	ID NO:	47320	to SEQ	ERR2855822.31	SEQ	ID NO:	51891	to SEQ
ERR2726452.15	SEQ	ID NO:	47569	to SEQ	ERR2855824.31	SEQ	ID NO:	51967	to SEQ
ERR2726452.5	SEQ	ID NO:	47667	to SEQ	ERR2855825.1	SEQ	ID NO:	52076	to SEQ
ERR2726452.9	SEQ	ID NO:	47710	to SEQ	ERR2855827.27	SEQ	ID NO:	52366	to SEQ
ERR2726453.2	SEQ	ID NO:	47756	to SEQ	ERR2855828.7	SEQ	ID NO:	52548	to SEQ
ERR2726458.13	SEQ	ID NO:	47874	to SEQ	ERR2855829.8	SEQ	ID NO:	52627	to SEQ
ERR2726461.15	SEQ	ID NO:	48058	to SEQ	ERR2855831.6	SEQ	ID NO:	52770	to SEQ
ERR2726474.10	SEQ	ID NO:	48175	to SEQ	ERR2855832.2	SEQ	ID NO:	52811	to SEQ
ERR2726476.5	SEQ	ID NO:	48225	to SEQ	ERR2855835.13	SEQ	ID NO:	52953	to SEQ
ERR2726486.19	SEQ	ID NO:	48356	to SEQ	ERR2855836.5	SEQ	ID NO:	53246	to SEQ
ERR2726493.4	SEQ	ID NO:	48384	to SEQ				53409	to SEQ
								53481	to SEQ
								53537	to SEQ
								53573	to SEQ

FIG. 12E

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>				<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>			
ERR2855837.21	SEQ	ID NO:	53574	to SEQ	ERR2855947.28	SEQ	ID NO:	58878	to SEQ
ERR2855838.18	SEQ	ID NO:	53617	to SEQ	ERR2855947.3	SEQ	ID NO:	58962	to SEQ
ERR2855839.16	SEQ	ID NO:	53699	to SEQ	ERR2855952.36	SEQ	ID NO:	59091	to SEQ
ERR2855840.6	SEQ	ID NO:	53802	to SEQ	ERR2855954.6	SEQ	ID NO:	59351	to SEQ
ERR2855840.7	SEQ	ID NO:	53945	to SEQ	ERR2855955.14	SEQ	ID NO:	59461	to SEQ
ERR2855842.5	SEQ	ID NO:	54000	to SEQ	ERR2855956.3	SEQ	ID NO:	59509	to SEQ
ERR2855842.9	SEQ	ID NO:	54079	to SEQ	ERR2855957.14	SEQ	ID NO:	59612	to SEQ
ERR2855844.18	SEQ	ID NO:	54080	to SEQ	ERR2855958.3	SEQ	ID NO:	59675	to SEQ
ERR2855850.4	SEQ	ID NO:	54146	to SEQ	ERR2855959.1	SEQ	ID NO:	59753	to SEQ
ERR2855851.1	SEQ	ID NO:	54243	to SEQ	ERR2855960.6	SEQ	ID NO:	59796	to SEQ
ERR2855851.9	SEQ	ID NO:	54592	to SEQ	ERR2855961.12	SEQ	ID NO:	59843	to SEQ
ERR2855852.15	SEQ	ID NO:	54636	to SEQ	ERR2855962.3	SEQ	ID NO:	59947	to SEQ
ERR2855854.10	SEQ	ID NO:	54756	to SEQ	ERR2855963.17	SEQ	ID NO:	59998	to SEQ
ERR2855855.2	SEQ	ID NO:	54822	to SEQ	ERR2855964.8	SEQ	ID NO:	60100	to SEQ
ERR2855857.7	SEQ	ID NO:	54865	to SEQ	ERR2855965.1	SEQ	ID NO:	60196	to SEQ
ERR2855863.17	SEQ	ID NO:	54944	to SEQ	ERR2855966.3	SEQ	ID NO:	60465	to SEQ
ERR2855864.8	SEQ	ID NO:	54975	to SEQ	ERR2855967.12	SEQ	ID NO:	60573	to SEQ
ERR2855869.1	SEQ	ID NO:	55112	to SEQ	ERR2855968.6	SEQ	ID NO:	60678	to SEQ
ERR2855871.6	SEQ	ID NO:	55295	to SEQ	ERR2855969.12	SEQ	ID NO:	60803	to SEQ
ERR2855875.1	SEQ	ID NO:	55350	to SEQ	ERR2855970.3	SEQ	ID NO:	60890	to SEQ
ERR2855876.10	SEQ	ID NO:	55390	to SEQ	ERR2855971.12	SEQ	ID NO:	60989	to SEQ
ERR2855878.5	SEQ	ID NO:	55601	to SEQ	ERR2855972.4	SEQ	ID NO:	61090	to SEQ
ERR2855880.6	SEQ	ID NO:	56158	to SEQ	ERR2855973.12	SEQ	ID NO:	61140	to SEQ
ERR2855886.18	SEQ	ID NO:	56297	to SEQ	ERR2855974.6	SEQ	ID NO:	61245	to SEQ
ERR2855890.15	SEQ	ID NO:	56521	to SEQ	ERR2855975.12	SEQ	ID NO:	61374	to SEQ
ERR2855895.3	SEQ	ID NO:	56703	to SEQ	ERR2855976.3	SEQ	ID NO:	61446	to SEQ
ERR2855908.2	SEQ	ID NO:	56890	to SEQ	ERR2855977.17	SEQ	ID NO:	61847	to SEQ
ERR2855915.17	SEQ	ID NO:	57084	to SEQ	ERR2855978.23	SEQ	ID NO:	61940	to SEQ
ERR2855918.6	SEQ	ID NO:	57141	to SEQ	ERR2855979.6	SEQ	ID NO:	62078	to SEQ
ERR2855919.4	SEQ	ID NO:	57215	to SEQ	ERR2855980.15	SEQ	ID NO:	62148	to SEQ
ERR2855919.23	SEQ	ID NO:	57377	to SEQ	ERR2855981.12	SEQ	ID NO:	62260	to SEQ
ERR2855923.15	SEQ	ID NO:	57449	to SEQ	ERR2855982.4	SEQ	ID NO:	62355	to SEQ
ERR2855923.16	SEQ	ID NO:	57450	to SEQ	ERR2855983.8	SEQ	ID NO:	62437	to SEQ
ERR2855927.27	SEQ	ID NO:	57527	to SEQ	ERR2855984.1.6	SEQ	ID NO:	62500	to SEQ
ERR2855928.4	SEQ	ID NO:	57586	to SEQ	ERR2855985.14	SEQ	ID NO:	62650	to SEQ
ERR2855933.19	SEQ	ID NO:	57731	to SEQ	ERR2855986.3	SEQ	ID NO:	62843	to SEQ
ERR2855935.6	SEQ	ID NO:	57732	to SEQ	ERR2855987.12	SEQ	ID NO:	62881	to SEQ
ERR2855937.8	SEQ	ID NO:	58047	to SEQ	ERR2855988.20	SEQ	ID NO:	62945	to SEQ
ERR2855940.1	SEQ	ID NO:	58141	to SEQ	ERR2855989.6	SEQ	ID NO:	63143	to SEQ
ERR2855947.18	SEQ	ID NO:	58203	to SEQ	ERR2855990.18	SEQ	ID NO:	63252	to SEQ
			58272	to SEQ				63551	to SEQ
			58499	to SEQ				63588	to SEQ
			58538	to SEQ				63664	to SEQ
			58578	to SEQ				63740	to SEQ
			58657	to SEQ				63965	to SEQ
			58831	to SEQ				64302	to SEQ
			58877	to SEQ					

FIG. 12F

Organism	Sequence Range of Contigs for Organism	Organism	Sequence Range of Contigs for Organism
ERR688560.6	64517	ERR688643.1	72608
ERR688561.4	64574	ERR688644.6	72789
ERR688562.1	64815	ERR688645.5	72919
ERR688563.8	64816	ERR688646.5	73029
ERR688564.0	64896	ERR688647.5	73179
ERR688565.3	64969	ERR688648.6	73264
ERR688566.9	65077	ERR710424.17	73566
ERR688567.13	65230	ERR710425.4	73713
ERR688568.4	65442	ERR710426.11	73770
ERR688569.9	65733	ERR710427.15	73924
ERR688570.3	65884	ERR710428.15	74157
ERR688571.5	66304	ERR710430.5	74325
ERR688572.8	66530	HD-20.2	74391
ERR688573.9	66643	HD-26.8	74517
ERR688574.3	67001	HD-42.3	74699
ERR688575.6	67231	HD-63.13	74793
ERR688576.11	67337	HD-66.2	74869
ERR688577.19	67444	HD-68.8	75329
ERR688578.3	67653	HD-75.2	75455
ERR688579.2	67811	HD-75.3	75665
ERR688580.8	68007	HD-76.2	75869
ERR688581.9	68232	HD-77.2	75998
ERR688582.5	68283	HD-8.10	76161
ERR688583.6	68640	HD-9.8	76272
ERR688584.1	68808	HSM5MD48.1	76331
ERR688585.9	69242	HSM7CYXE.1	76434
ERR688586.11	69307	HSM83NW.4	76513
ERR688587.0	69567	LD-1.6	76600
ERR688588.1	69669	LD-20.2	76731
ERR688589.17	69905	LD-26.6	76902
ERR688590.11	69932	LD-33.1	77070
ERR688591.12	70106	LD-33.4	77177
ERR688592.5	70294	LD-35.30	77295
ERR688593.7	70444	LD-39.9	77402
ERR688594.17	70587	LD-43.5	77635
ERR688595.2	70727	LD-43.7	77695
ERR688596.9	70874	LD-45.12	77841
ERR688597.13	70961	LD-53.3	77964
ERR688598.24	71185	LD-57.3	78058
ERR688599.12	71490	LD-7.2	78180
ERR688600.3	71531	LD-7.5	78364
ERR688601.7	71909	LD-78.7	78841
ERR688602.4	72035	LD-85.10	78904
ERR688603.1	72339	LD-91.3	79147
ERR688604.13	72607	LV22.2	79184
ERR688605.6	72691		79482

FIG. 12G

<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>	<u>Organism</u>	<u>Sequence Range of Contigs for Organism</u>
MSM79H7C	5229	SRR413661	2
MSM79H8B	85334	SRR413662	4
PSM6XBSE	85490	SRR413663	5
PSM7J1843	85890	SRR413664	3
PSMA2640	86042	SRR413665	4
SRR3411654	86172	SRR413666	8
SRR3411655	86225	SRR413667	8
SRR3411656	86399	SRR413668	5
SRR3411657	86622	SRR413669	6
SRR3411658	86713	SRR413670	1
SRR3411659	86837	SRR413671	6
SRR3411660	86963	SRR413672	1
SRR3411661	87110	SRR413673	1
SRR3411662	87181	SRR413674	4
SRR3411663	87259	SRR413675	4
SRR3411664	87306	SRR413676	5
SRR3411665	87411	SRR413677	0
SRR3411666	87476	SRR413678	1
SRR3411667	87511	SRR413679	4
SRR3411668	87723	SRR413680	1
SRR3411669	87844	SRR413681	7
SRR3411670	88025	SRR413682	2
SRR3411671	88179	SRR413683	7
SRR3411672	88253	SRR413684	2
SRR3411673	88318	SRR413685	1
SRR3411674	88355	SRR413686	1
SRR3411675	88425	SRR413687	1
SRR3411676	88573	SRR413688	5
SRR3411677	88674	SRR413689	8
SRR3411678	88745	SRR413690	4
SRR3411679	88805	SRR413691	7
SRR3411680	88892	SRR413692	1
SRR3411681	88909	SRR413693	1
SRR3411682	88931	SRR413694	5
SRR3411683	88941	SRR413695	8
SRR3411684	88951	SRR413696	0
SRR3411685	88969	SRR413697	0
SRR3411686	88976	SRR413698	4
SRR3411687	88977	SRR413699	7
SRR3411688	89004	SRR413700	1
SRR3411689	89018	SRR413701	4
SRR3411690	89035	SRR413702	1
SRR3411691	89044	SRR413703	4
SRR3411692	89085	SRR413704	2
SRR3411693	89119	SRR413705	7
SRR3411694	89153	SRR413706	1
SRR3411695	89165	SRR413707	8
SRR3411696	89194	SRR413708	7
SRR3411697	89219	SRR413709	1
SRR3411698	89255	SRR413710	9
SRR3411699	89274	SRR413711	3
SRR3411700	89345	SRR413712	1
SRR3411701	89418	SRR413713	13
SRR3411702	89496		
SRR3411703	89561		
SRR3411704	89694		
SRR3411705	89768		
SRR3411706	89854		
SRR3411707	89974		
SRR3411708	90045		
SRR3411709	90105		
SRR3411710	90186		
SRR3411711	90261		
SRR3411712	90494		

FIG. 12H

[illegible]

FIG. 12I

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

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

Microorganism Id: 1U002.48 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus C;s_Ruminococcus C callidus

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

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

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

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

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

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

Microorganism Id: 1U017.25 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Tyzzerella;s_Tyzzerella 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_Coriobacterales;f_Eggerthellaceae;g_Eggerthella;s_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_Enterobacterales;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_Enterobacteriales;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_Enterobacteriales;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;g_Tyzzerella;s_Tyzzerella_nexilis

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 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 ulcerans

Microorganism Id: 2U033.18 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides A;s_Bacteroides A sp000434735

Microorganism Id: 2U033.43 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Ruminococcus C;s_

Microorganism Id: 2U037.14 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides clarus

Microorganism Id: 2U037.18 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides A;s_Bacteroides A plebeius

Microorganism Id: 2U038.12 Core: N Guild Assignment: Inconsistent
d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Clostridium Q;s_Clostridium Q symbiosum

Microorganism Id: 2U038.5 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia;s_Blautia sp001304935

Microorganism Id: 2W001.17 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_Gemmiger sp003476825

FIG. 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

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_Megaspaeeraceae;g_Caecibacter;s_

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 13E

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 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_J

Microorganism Id: 3W023.3 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides cellulolyticus

Microorganism Id: 3W028.33 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_Streptococcus pasteurianus

Microorganism Id: 3W039.10 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides eggerthii

Microorganism Id: 3W042.11 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides_A;s_Bacteroides_A plebeius_A

Microorganism Id: 3W048.18 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Gemmiger;s_

Microorganism Id: 3W049.14 Core: N Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides stercoris

FIG. 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 flexneri

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

Microorganism Id: 3W062.32 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_CAG-353;s_CAG-353 sp900066885

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

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

Microorganism Id: 3W073.49 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Christensenellales;f_CAG-138;g_Phill1;s_Phill1 sp001940855

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

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

Microorganism Id: 3W080.19 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Enterococcaceae;g_Enterococcus_D;s_Enterococcus_D sp002850555

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

Microorganism Id: CSM79HP4.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_UBA7173;s_UBA7173 sp001701135

Microorganism Id: ERR1018185.1 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_Phill1;s_Phill1 sp001940855

Microorganism Id: ERR1018186.12 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Acetatifactor;s_Acetatifactor sp900066365

Microorganism Id: ERR1018187.16 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella sp003447235

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

FIG. 13H

Microorganism Id: ERR1018198.11 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_Megasphaeraceae;g_Megasphaera;s_Megasphaera sp000417505

Microorganism Id: ERR1018192.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia A;s_Blautia A sp900066145

Microorganism Id: ERR1018192.8 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR1018196.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes C;c_Negativicutes;o_Veillonellales;f_Dialisteraceae;g_Dialister;s_Dialister succinatiphilus

Microorganism Id: ERR1018197.5 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS263;s_UMGS263 sp900540535

Microorganism Id: ERR1018197.9 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Clostridium A;s_Clostridium A leptum

Microorganism Id: ERR1018198.10 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_Anaerotignum;s_Anaerotignum sp001304995

Microorganism Id: ERR1018198.9 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_Roseburia hominis

Microorganism Id: ERR1018200.11 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyrificiproducens

Microorganism Id: ERR1018200.15 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_UMGS1071;s_UMGS1071 sp900542375

Microorganism Id: ERR1018200.4 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella tayi

Microorganism Id: ERR1018204.1 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_Enterocloster clostridioformis

Microorganism Id: ERR1018206.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter faecis

FIG. 131

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_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 wadsworthia

Microorganism Id: ERR1018223.9 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_SFEL01;s_SFEL01 sp004557245

Microorganism Id: ERR1018226.10 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Mediterraneibacter;s_Mediterraneibacter torques

Microorganism Id: ERR1018229.14 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Veillonellales;f_Megasphaeraceae;g_Caecibacter;s_Caecibacter hominis

Microorganism Id: ERR1018230.10 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

Microorganism Id: ERR1018232.13 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella copri

Microorganism Id: ERR1018232.6 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Desulfobacterota;c_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_G

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

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

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

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

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

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

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

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

Microorganism Id: ERR1018250.9 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Enterocloster;s_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_Coprobaacteraceae;g_Coprobaacter;s_Coprobaacter fastidiosus

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

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 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 sp900539945

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

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 13M

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

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

Microorganism Id: ERR2017443.11 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_C;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Phascolarctobacterium;s_Phascolarctobacterium 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_Butyricoccaceae;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 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_Erysipelatoclostridiales;f_Erysipelatoclostridiaceae;g_Coprobacillus;s_Coprobacillus cateniformis

Microorganism Id: ERR2017581.15 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp000765235

Microorganism Id: ERR2017584.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_ER4;s_ER4 sp003522105

Microorganism Id: ERR2017584.6 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Anaerobutyricum;s_Anaerobutyricum hallii

Microorganism Id: ERR2017586.15 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;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_Butyricicoccaceae;g_Agathobaculum;s_Agathobaculum butyriciproducens

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

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

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

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

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

Microorganism Id: ERR2017605.6 Core: N Guild Assignment: Guild 1
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Christensenellales;f_CAG-74;g_Firm-II;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_Enterobacterales;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_Enterobacterales;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 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;g_Collinsella sp002232035

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

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

Microorganism Id: ERR2017676.2 Core: N Guild Assignment: Inconsistent
 d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_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_Megasphaeraceae;g_Megasphaera;s_Megasphaera elsdennii

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_Phascolatocbacterium_A;s_Phascolatocbacterium_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;s_Gemmiger sp900540595

Microorganism Id: ERR2017693.21 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_CAG-180;s_CAG-180 sp000432435

Microorganism Id: ERR2017693.4 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Anaerotrignaceae;g_Anaerotrignum;s_Anaerotrignum lactatifermentans

Microorganism Id: ERR2017696.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Clostridium;s_Clostridium butyricum

Microorganism Id: ERR2017696.13 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_UBA9502;s_UBA9502 sp900555625

Microorganism Id: ERR2017696.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Faecalibacterium;s_Faecalibacterium prausnitzii_I

Microorganism Id: ERR2017699.1 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Eisenbergiella;s_Eisenbergiella tavi

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_Acidaminococaceae;g_Phascocarctobacterium;s_Phascocarctobacterium faecium

Microorganism Id: ERR2017716.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Lachnospirales;f_Anaerotignaceae;g_UMGS1670;s_UMGS1670 sp902406135

Microorganism Id: ERR2017716.3 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes A;c_Clostridia;o_Oscillospirales;f_Ruminococaceae;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_Ruminococaceae;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 sp900066215

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

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 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_Holdemanelia;s_Holdemanelia_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 sp000753285

Microorganism Id: ERR2726431.13 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Alistipes A;s_Alistipes A sp900545315

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 13Y

Microorganism Id: ERR2726461.15 Core: N Guild Assignment: Guild 1
d_Bactéria;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_Bactéria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

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

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

Microorganism Id: ERR2726493.4 Core: Y Guild Assignment: Guild 1
d_Bactéria;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_Bactéria;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_Bactéria;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_Bactéria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_Muribaculum;s_Muribaculum sp003150235

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

Microorganism Id: ERR2726502.1 Core: Y Guild Assignment: Guild 1
d_Bactéria;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_Bactéria;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_Bactéria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_UBA932;g_CAG-831;s_

Microorganism Id: ERR2726522.5 Core: Y Guild Assignment: Guild 1
d_Bactéria;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_Bactéria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_Bacteroides uniformis

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

Microorganism Id: ERR2726532.18 Core: Y Guild Assignment: Guild 1
d_Bactéria;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;s_Roseburia sp900552665

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

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

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

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

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

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

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

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

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

FIG. 13BB

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 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_Bacteroidia;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella stercora

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

Microorganism Id: ERR2855871.6 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;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_Bacteroidia;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_Bacteroidia;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_Bacteroidia;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;s_Prevotella stercora

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

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

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

FIG. 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 sp900314705

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

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

Microorganism Id: ERR2855940.1 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Prevotella;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;s_Eisenbergiella sp900066775

Microorganism Id: ERR2855947.28 Core: Y Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_CAG-83;s_CAG-83 sp900552475

FIG. 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_catenuatum

Microorganism Id: ERR688517.10 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Peptostreptococcales;f_Anaerovoracaceae;g_CAG-238;s_CAG-238_sp000435615

Microorganism Id: ERR688517.16 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenellales;f_CAG-138;g_RUG472;g_RUG472_sp900545265

Microorganism Id: ERR688518.3 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_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_Coprococcus_A;s_Coprococcus_A catus

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

Microorganism Id: ERR688545.14 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Ruminococcus_E;s_Ruminococcus_E bromii

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

Microorganism Id: ERR688552.12 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Acutalibacteraceae;g_Eubacterium_R;s_Eubacterium_R sp003526845

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

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

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

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

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

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

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

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

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

FIG. 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_Fuscatenibacter;s_Fuscatenibacter 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_NK3898;s_NK3898 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_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_Fuscatenibacter;s_Fuscatenibacter 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_A;s_Blautia_A hansenii

FIG. 13II

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Microorganism Id: ERR688624.17 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Bacteroidia;c_Bacteroidales;f_UBA932;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;s_Ligilactobacillus animalis

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FIG. 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;g_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_Fusobacteriota;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Fusobacterium_A;s_Fusobacterium_A sp900543175

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

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

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

FIG. 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 sp900552665

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

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

FIG. 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: MSM79HC.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: MSM79HB.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_D

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

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

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

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

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

Microorganism Id: SRR341670.9 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;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_Lactobacilliales;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_Holdemanelia;s_Holdemanelia sp002299315

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

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

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

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

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

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

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

Microorganism Id: SRR341725.8 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Blautia_A;s_Blautia_A sp003480185

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

Microorganism Id: SRR413559.10 Core: Y Guild Assignment: Guild 2
 d_Bacteria;p_Firmicutes_A;c_Clostridia_A;o_Christensenelliales;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 sp003470905

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

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

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

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

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

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

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

FIG. 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 effluvi

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

Microorganism Id: SRR413641.2 Core: Y Guild Assignment: Guild 2
d_Bacteria;p_Bacteroidota;c_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_Bacteroidaceae;g_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_Blaugia_A;s_Blaugia_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 caceae

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_Blaugia_A;s_Blaugia_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_Lactobacilliales;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_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_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_Anaerotrignaceae;g_Anaerotrignum;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_Bacteroidia;c_Bacteroidia;o_Bacteroidales;f_UBA932;g_RC9;s_RC9 sp000434935

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

Microorganism Id: SRR6468511.2 Core: N Guild Assignment: Guild 1
 d_Bacteria;p_Firmicutes_A;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Pygmaibacter;s_Pygmaibacter 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_Megasphaeraceae;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 plautii

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

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

Microorganism Id: SRR6468619.5 Core: N Guild Assignment: Guild 2
 d_Bacteria;p_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_Megasphaeraceae;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_sp9000066985

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. 13WWW

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

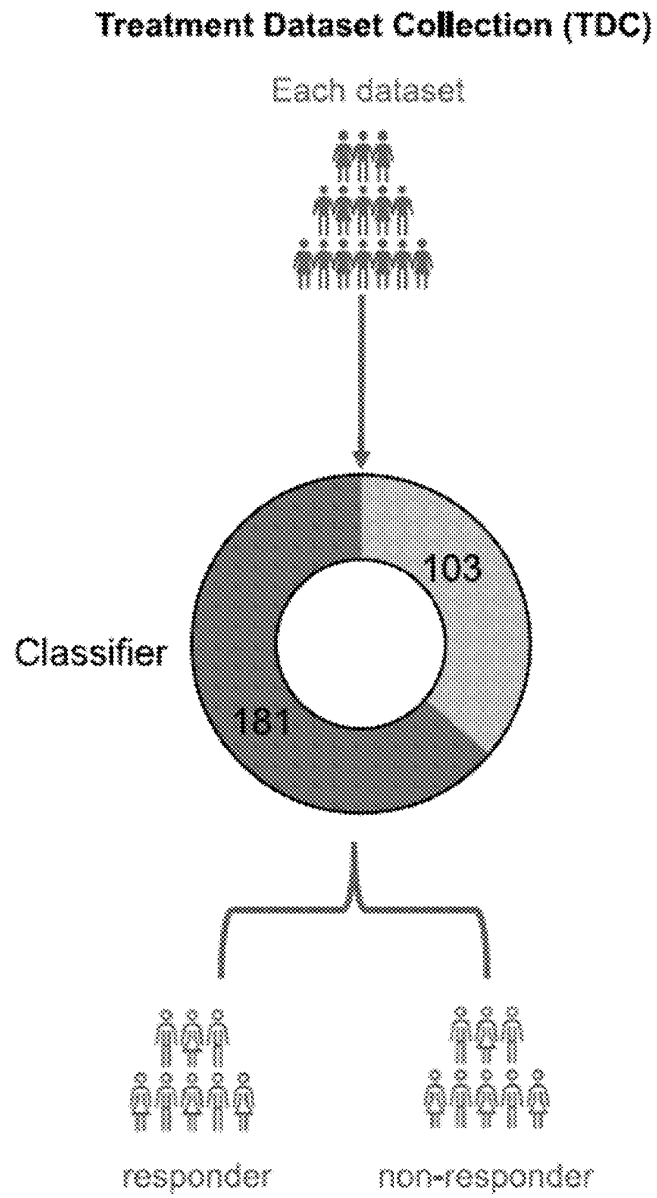


FIG. 14A

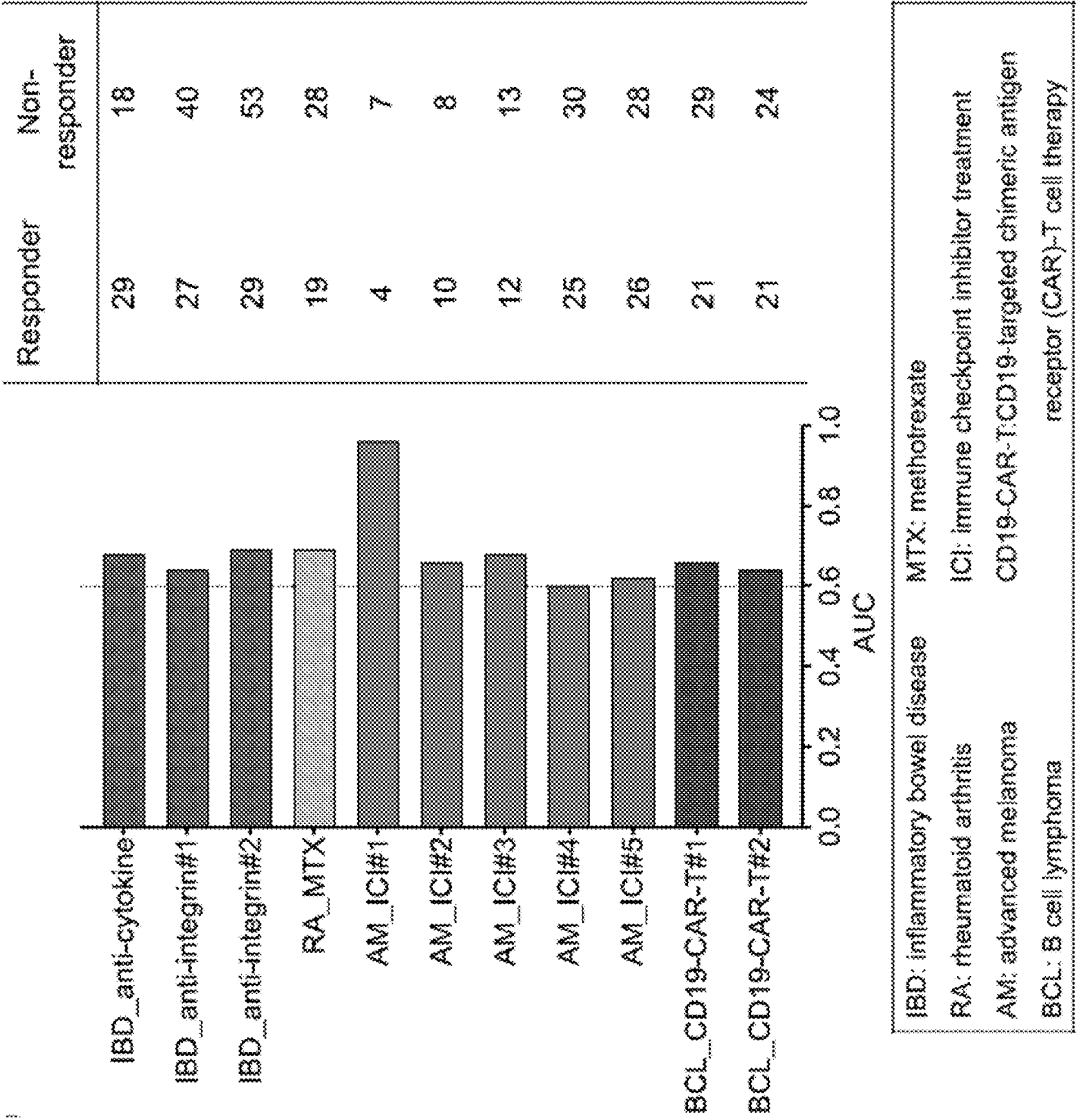


FIG. 14B

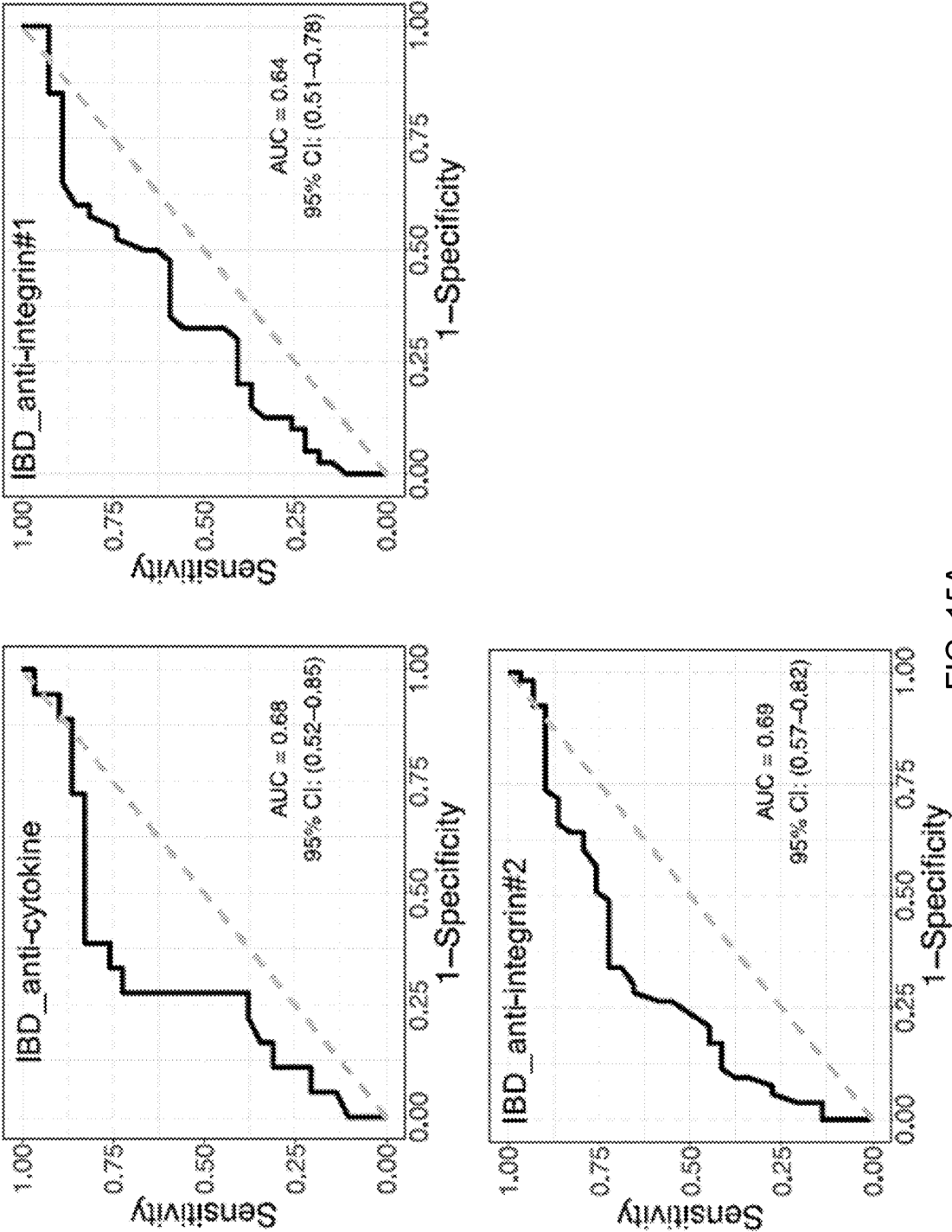


FIG. 15A

Rheumatoid Arthritis
Methotrexate treatment

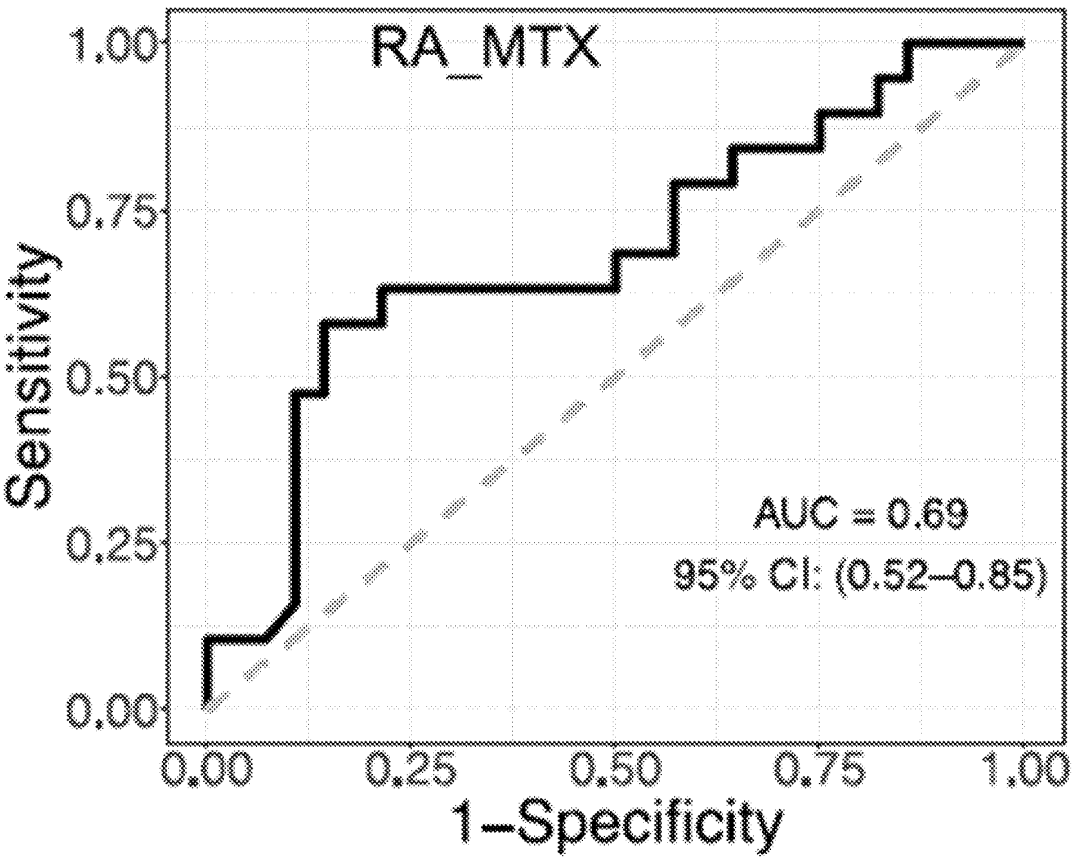


FIG. 15B

Advanced Melanoma
Immune checkpoint inhibitor treatment

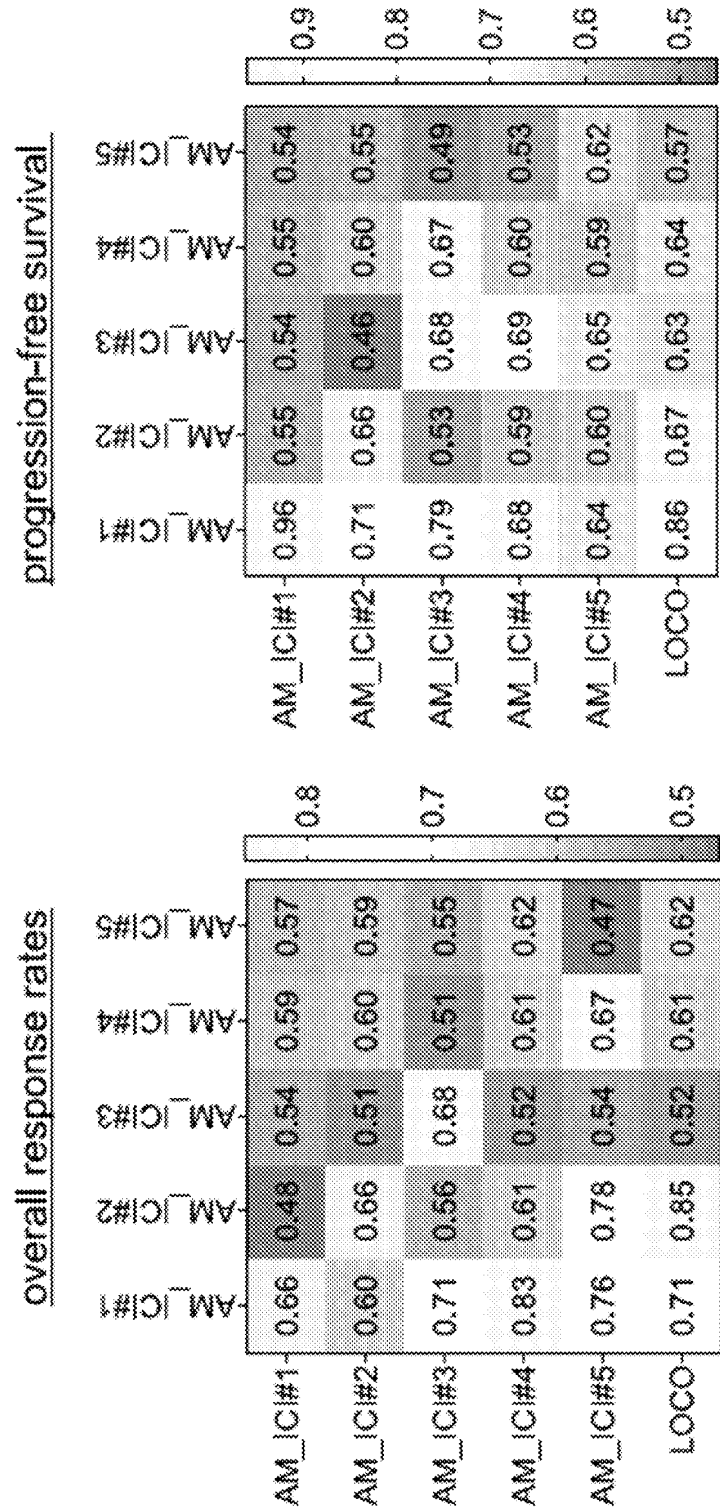


FIG. 15C

B cell lymphoma
CD19-CAR-T cell cancer immunotherapy

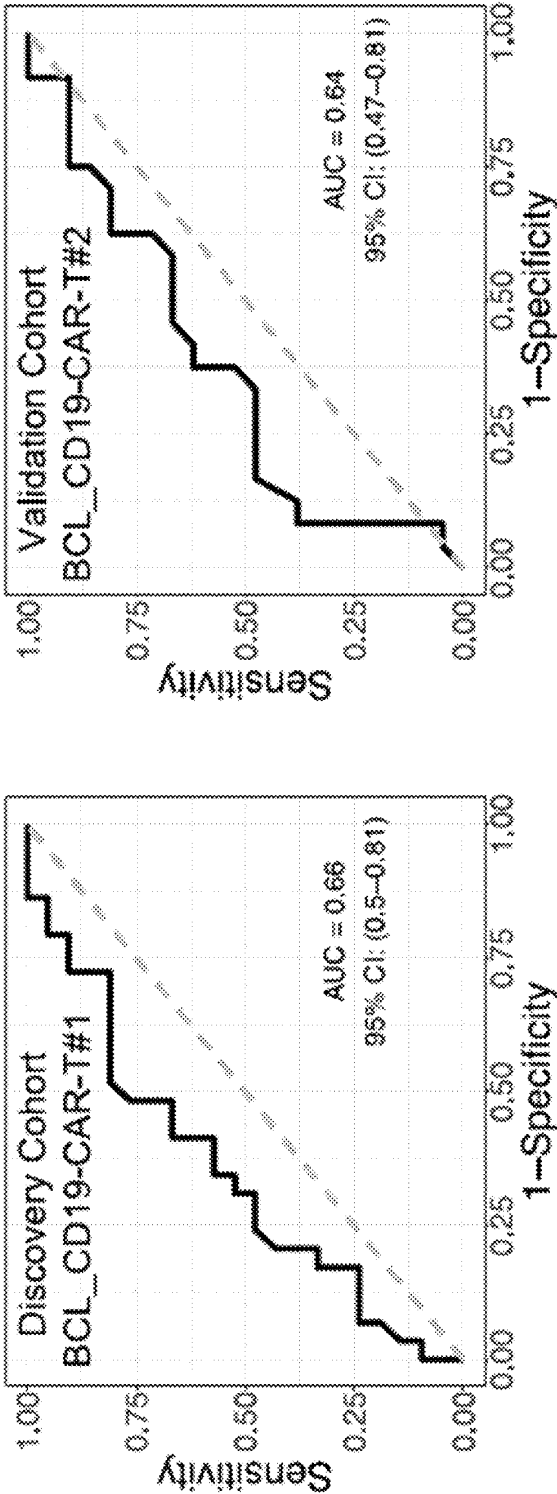


FIG. 15D

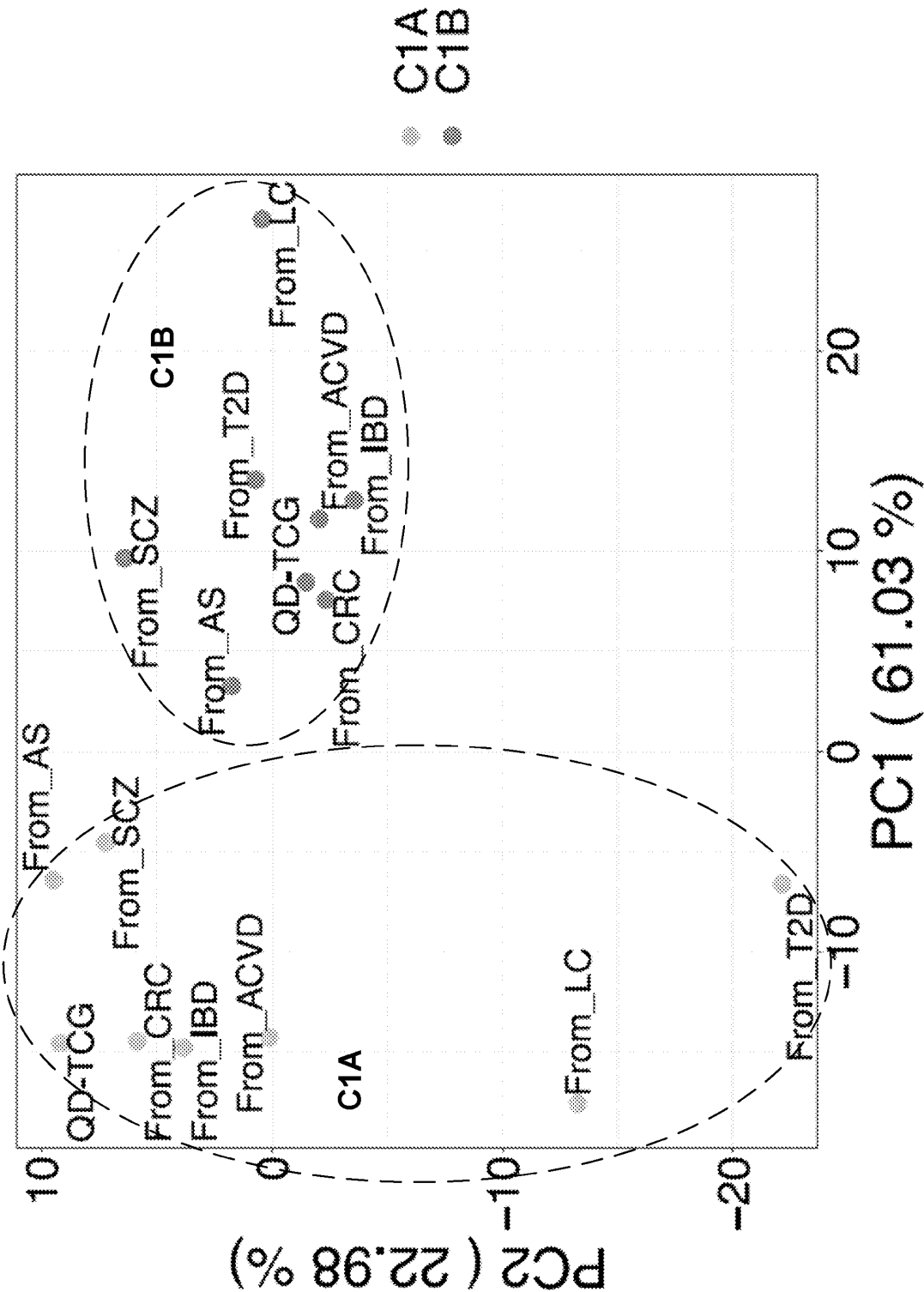


FIG. 16A

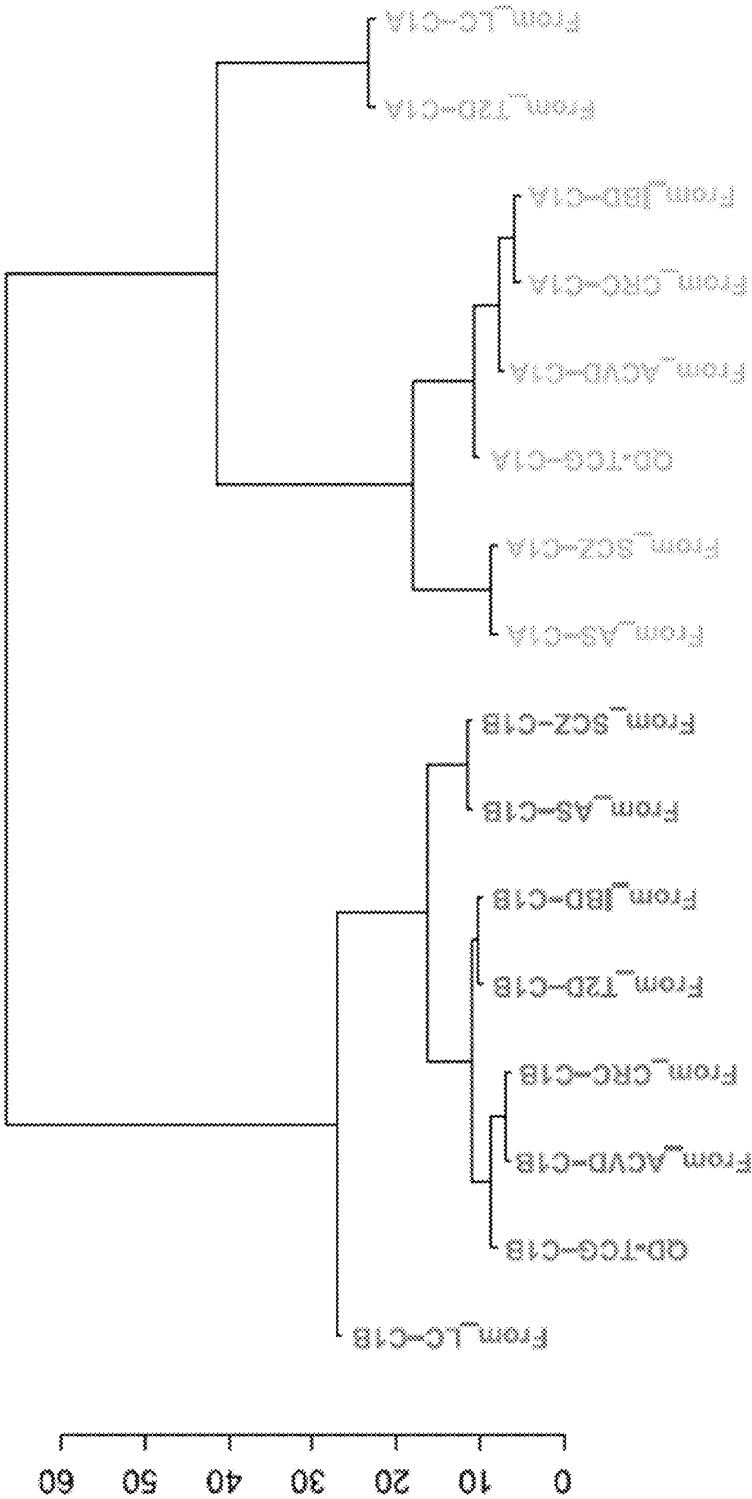


FIG. 16B

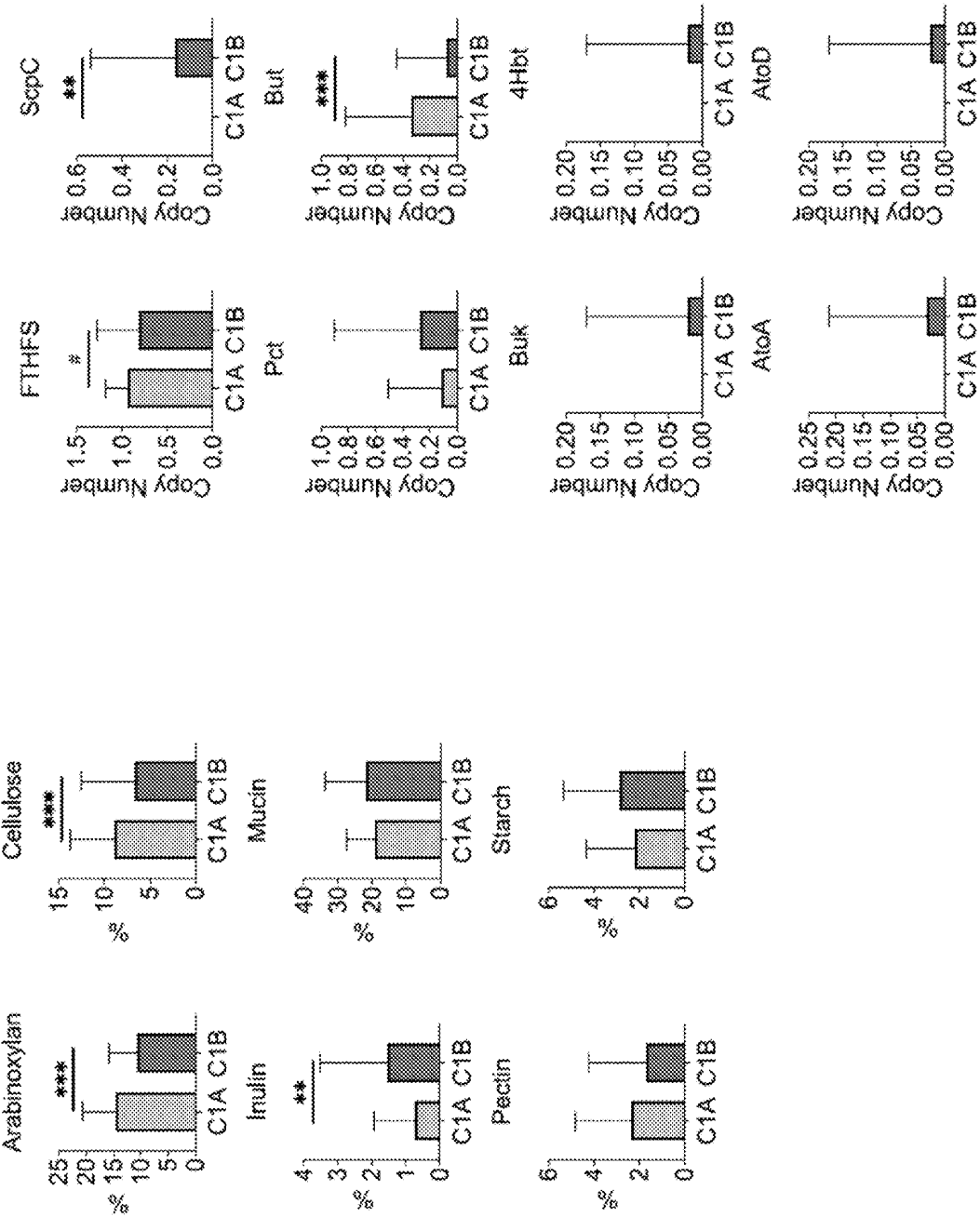


FIG. 17B

FIG. 17A

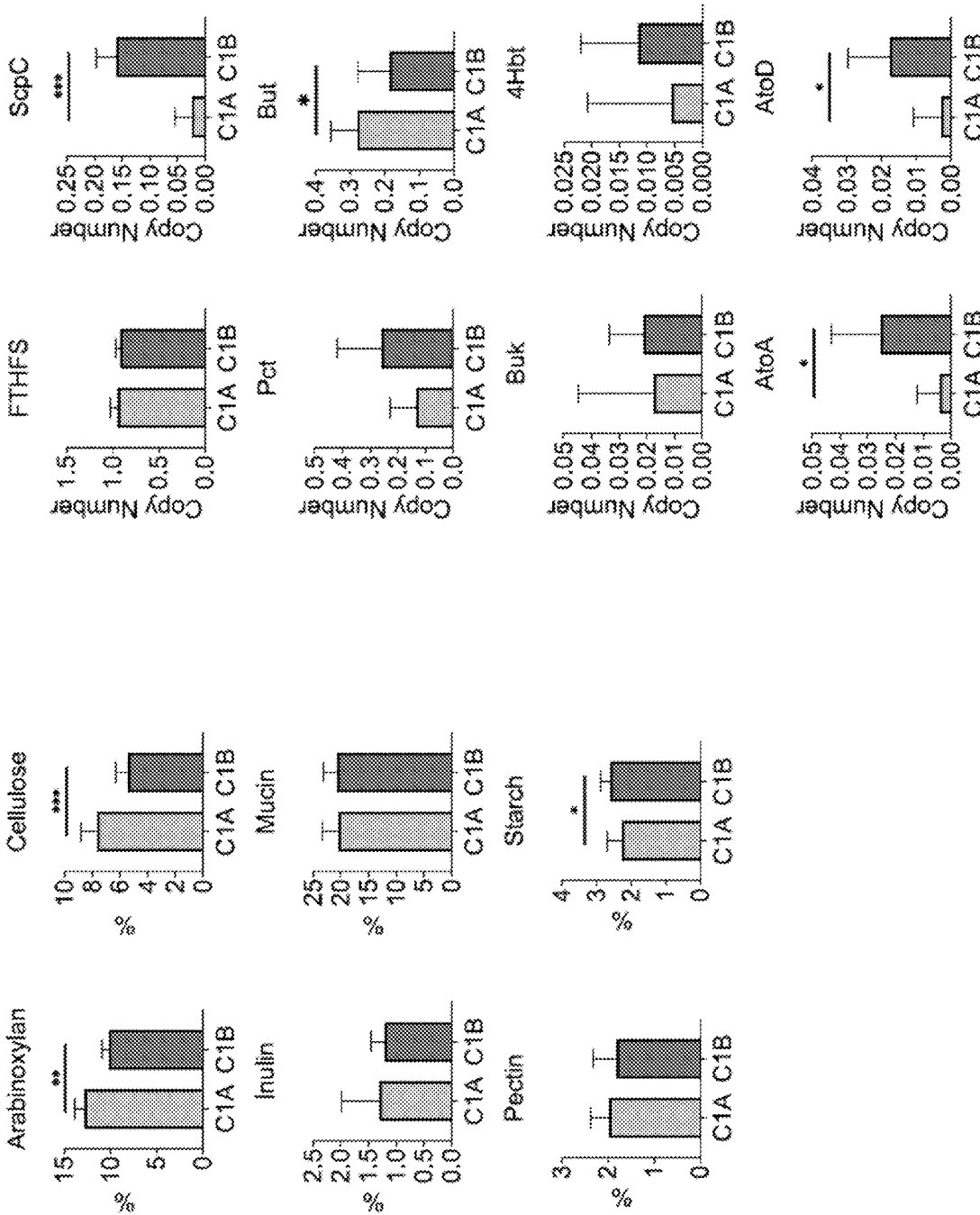


FIG. 17C

FIG. 17D

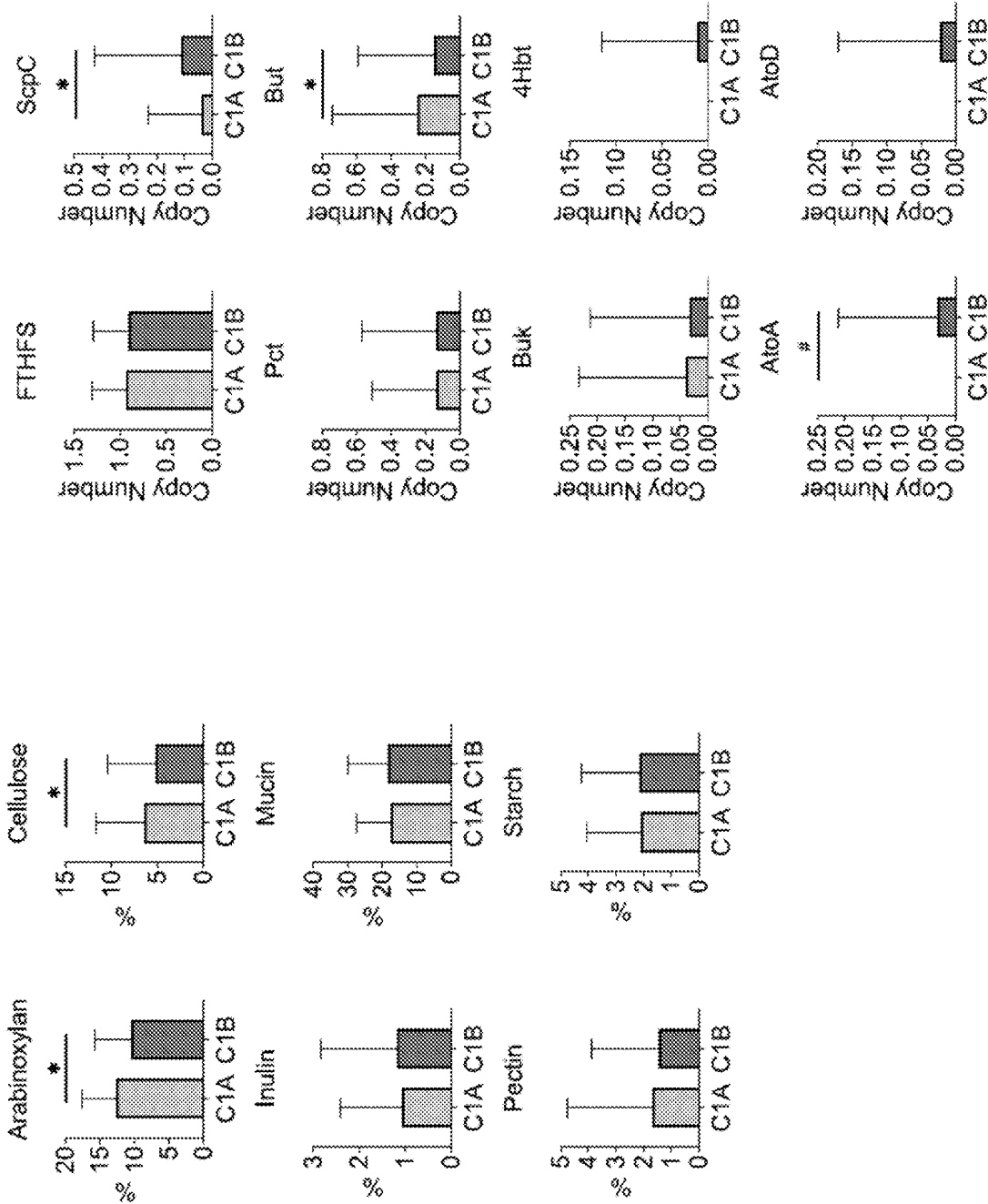


FIG. 17E

FIG. 17F