

OTU_145	74	10	0	0	11	0	14	25
OTU_146	12	0	28	0	179	2	14	53
OTU_147	90	24	44	180	85	48	70	152
OTU_148	17	0	64	21	27	7	27	19
OTU_149	8	28	0	10	2	0	29	2
OTU_15	54	165	44	1556	405	316	188	125
OTU_150	48	6	46	143	15	185	32	33
OTU_151	0	5	0	113	30	0	0	10
OTU_152	46	0	0	0	0	11	6	119
OTU_153	0	0	0	7	0	0	0	0
OTU_154	0	22	0	0	0	159	3	0
OTU_155	0	0	0	0	0	0	0	0
OTU_156	50	0	0	0	0	0	0	73
OTU_157	0	0	18	41	30	27	48	13
OTU_158	0	0	12	3	0	89	3	0
OTU_159	0	0	0	0	0	0	0	0
OTU_16	92	7	264	0	0	18	48	140
OTU_160	0	3	15	2	3	7	0	0
OTU_161	0	6	86	0	0	11	0	0
OTU_162	8	9	47	40	3	54	0	14
OTU_163	29	26	11	72	32	196	84	47
OTU_165	0	9	108	36	131	11	0	2
OTU_166	0	0	2	4	0	6	3	13
OTU_167	0	0	0	0	0	0	140	2
OTU_168	5	3	3	0	0	2	18	0
OTU_169	4	84	0	0	14	0	2	17
OTU_17	0	0	0	89	38	0	0	0
OTU_170	0	2	0	0	0	14	4	17
OTU_171	4	0	11	7	3	31	12	13
OTU_172	33	4	2	82	4	0	0	6
OTU_173	14	0	10	3	3	0	22	19
OTU_174	91	128	0	0	0	0	22	0
OTU_175	0	0	0	20	57	0	17	7
OTU_177	13	0	0	0	0	0	0	0
OTU_178	3	2	30	0	0	7	0	0
OTU_179	0	0	0	0	0	0	0	0
OTU_18	0	0	0	0	0	0	0	0
OTU_181	0	0	0	5	0	0	0	0
OTU_182	11	3	26	0	0	0	4	0
OTU_183	0	5	0	0	0	0	9	0
OTU_184	21	23	46	21	37	91	29	24
OTU_185	37	4	17	7	4	138	47	38
OTU_186	43	7	11	16	8	28	32	13
OTU_187	9	6	50	22	39	9	5	24
OTU_188	0	0	8	0	0	0	0	0
OTU_189	32	28	43	45	0	148	2	162
OTU_19	20	11	46	77	0	2	27	0
OTU_190	2	7	3	0	3	0	0	0
OTU_191	0	0	0	110	4	57	2	0
OTU_192	6	2	6	5	10	3	8	15

OTU_193	45	0	0	0	0	0	8	16
OTU_194	68	31	40	5	8	50	31	40
OTU_195	27	27	14	0	13	0	0	26
OTU_196	19	0	41	65	38	21	10	54
OTU_197	0	3	0	0	0	0	16	31
OTU_198	0	0	0	52	0	52	0	6
OTU_199	27	0	0	0	0	0	3	16
OTU_2	153	0	0	0	0	0	20	0
OTU_20	439	52	59	27	0	9	250	397
OTU_200	0	38	0	7	7	4	0	0
OTU_201	0	0	0	0	2	0	0	0
OTU_202	3	14	0	27	34	0	0	0
OTU_203	4	0	10	17	7	0	4	7
OTU_204	0	0	0	0	0	0	0	0
OTU_205	0	0	0	0	0	0	0	0
OTU_206	5	9	23	15	15	26	0	8
OTU_207	16	0	31	41	32	5	16	40
OTU_208	0	0	0	5	0	0	0	0
OTU_209	0	0	4	38	4	5	0	3
OTU_21	47	15	62	554	113	401	103	33
OTU_211	0	0	0	0	0	0	0	0
OTU_212	15	13	14	42	41	126	6	16
OTU_213	0	0	0	21	0	0	265	14
OTU_214	0	0	0	0	0	0	0	0
OTU_216	0	0	0	57	15	0	3	2
OTU_218	42	31	60	26	2	47	2	30
OTU_22	0	0	0	0	0	0	0	0
OTU_220	15	23	2	39	8	31	15	38
OTU_221	0	0	0	0	0	0	3	0
OTU_222	0	0	0	0	0	0	0	60
OTU_223	3	18	82	6	0	12	5	6
OTU_224	11	22	0	0	0	0	35	4
OTU_225	17	14	0	0	24	45	0	0
OTU_226	0	0	0	0	0	0	0	0
OTU_228	0	0	0	0	0	0	0	0
OTU_229	8	16	0	0	2	6	8	7
OTU_23	881	103	0	2	0	0	171	186
OTU_230	0	0	0	3	0	0	2	0
OTU_231	19	36	0	0	0	0	3	26
OTU_232	0	0	0	0	0	0	0	0
OTU_233	0	0	0	0	0	0	0	0
OTU_234	24	0	0	0	0	0	0	0
OTU_235	0	0	0	0	0	0	0	0
OTU_236	0	0	19	24	2	0	40	3
OTU_238	58	4	22	14	7	23	20	28
OTU_239	0	0	0	0	0	0	9	21
OTU_24	203	318	21	19	261	31	76	241
OTU_240	4	0	0	0	0	0	0	17
OTU_241	19	3	0	0	0	0	0	6
OTU_243	16	10	2	0	9	27	7	3

OTU_245	13	4	9	0	5	3	26	7
OTU_246	0	0	17	0	0	0	0	0
OTU_247	4	0	14	11	0	9	0	0
OTU_25	0	2	0	0	0	0	17	0
OTU_250	3	0	0	0	0	0	3	95
OTU_251	23	13	0	2	26	76	23	58
OTU_255	0	6	0	0	3	0	0	0
OTU_256	0	0	0	66	0	14	0	23
OTU_257	0	14	0	0	0	0	2	23
OTU_26	6	81	136	41	6	853	5	8
OTU_264	0	0	0	0	2	0	0	12
OTU_267	0	0	0	0	0	0	2	30
OTU_27	0	0	0	9	0	0	2	0
OTU_272	2	0	5	9	0	0	6	2
OTU_275	0	0	34	2	0	7	0	0
OTU_28	267	0	0	0	0	0	24	0
OTU_29	334	0	0	0	0	0	0	0
OTU_295	0	0	0	0	0	0	0	0
OTU_3	1932	872	422	51	200	425	1680	1122
OTU_30	158	0	0	54	0	0	29	64
OTU_300	0	14	6	2	6	0	0	4
OTU_307	2	10	2	0	0	2	5	2
OTU_31	203	29	78	401	25	292	36	93
OTU_32	2	0	23	16	0	3	0	6
OTU_320	12	0	2	0	0	0	0	3
OTU_326	58	89	22	39	81	25	9	38
OTU_33	8	134	4	0	6	3	15	7
OTU_34	339	7	18	8	36	0	468	230
OTU_35	0	0	0	125	54	0	0	16
OTU_36	193	29	124	20	45	48	91	77
OTU_37	0	0	0	0	0	2	0	31
OTU_375	6	0	0	0	0	0	7	38
OTU_377	0	0	0	11	0	0	0	0
OTU_38	72	0	0	0	0	0	5	46
OTU_380	0	26	0	29	6	0	2	0
OTU_387	0	0	0	63	42	0	4	0
OTU_39	0	0	0	2	0	0	0	0
OTU_4	0	0	0	0	0	0	0	0
OTU_40	2	60	0	0	0	0	12	21
OTU_400	162	0	118	7	9	14	4	125
OTU_403	9	10	86	6	14	35	6	8
OTU_41	204	142	199	317	427	583	278	228
OTU_411	0	0	62	0	0	29	0	0
OTU_42	16	108	208	38	91	138	33	20
OTU_43	114	0	0	78	30	0	13	64
OTU_433	3	0	0	0	0	0	0	0
OTU_436	6	114	5	0	55	0	3	0
OTU_44	2	0	35	0	0	0	12	4
OTU_445	4	0	3	0	0	0	8	2
OTU_45	190	650	57	0	2	141	76	104

OTU_456	69	4	0	0	6	0	0	4
OTU_457	0	0	0	0	0	0	0	0
OTU_458	11	2	0	0	0	0	3	20
OTU_46	0	0	58	0	0	62	12	6
OTU_47	310	202	277	5	51	37	262	198
OTU_475	0	2	27	25	0	0	12	2
OTU_477	0	2	0	0	0	0	2	0
OTU_48	67	203	80	91	284	260	42	76
OTU_480	0	0	0	0	0	0	0	0
OTU_481	0	0	0	0	0	0	0	0
OTU_483	0	0	438	10	0	305	0	0
OTU_484	0	32	0	4	2	0	0	0
OTU_486	9	96	0	10	202	14	3	54
OTU_49	0	5	0	0	0	393	0	0
OTU_492	2	0	75	9	0	0	0	0
OTU_5	135	2	197	318	469	358	408	568
OTU_50	21	0	0	0	0	0	47	5
OTU_508	0	0	0	8	24	0	0	0
OTU_51	0	0	0	0	0	666	77	8
OTU_513	6	8	17	4	11	8	3	19
OTU_52	172	459	469	14	88	42	122	78
OTU_526	5	22	10	12	5	9	38	56
OTU_53	13	65	23	31	51	6	13	53
OTU_538	4	5	16	0	0	0	13	8
OTU_539	0	0	0	0	0	0	0	0
OTU_54	42	2	0	9	19	0	0	28
OTU_540	0	3	2	9	0	0	0	0
OTU_544	4	12	2791	0	16	49	8	2
OTU_547	0	0	111	0	0	18	0	0
OTU_550	0	21	2	2	5	0	3	8
OTU_553	2	0	100	51	50	0	0	6
OTU_557	0	0	25	0	0	0	0	0
OTU_56	17	0	0	9	11	0	5	11
OTU_57	52	0	0	0	0	0	23	77
OTU_572	0	0	0	0	0	0	0	0
OTU_574	0	0	0	0	0	3	3	0
OTU_58	7	0	0	0	44	0	0	0
OTU_582	5	0	0	2	0	0	2	3
OTU_587	115	127	0	0	0	0	4	12
OTU_59	68	13	0	0	0	0	55	113
OTU_6	3491	459	0	2	2	0	4	0
OTU_60	8	99	0	25	67	2	0	0
OTU_61	0	0	0	0	0	0	0	0
OTU_62	7	2	250	12	0	7	42	7
OTU_63	0	0	0	0	0	0	27	0
OTU_64	6	127	0	10	0	29	0	2
OTU_65	9	9	393	65	334	0	2	63
OTU_66	0	0	0	0	0	0	2	0
OTU_67	26	0	103	497	80	422	0	85
OTU_68	141	84	0	0	122	0	104	58

OTU_69	245	145	0	0	24	0	192	120
OTU_7	0	0	0	76	0	0	1077	48
OTU_70	2	8	13	0	50	0	4	0
OTU_71	0	0	0	0	2	0	0	0
OTU_72	0	0	5	0	0	0	0	30
OTU_73	149	71	176	38	56	101	106	161
OTU_74	247	71	36	119	11	87	162	243
OTU_75	47	3	6	3	0	5	49	37
OTU_76	0	0	0	281	0	39	3	18
OTU_77	0	23	53	13	9	74	2	0
OTU_78	13	4	66	10	2	51	7	2
OTU_79	4	13	13	391	52	173	3	19
OTU_8	566	1431	388	3	0	3	466	262
OTU_80	89	33	158	5	340	77	105	12
OTU_81	0	0	0	0	0	0	0	2
OTU_82	0	12	0	60	12	66	6	2
OTU_83	75	0	0	2	92	0	0	66
OTU_84	190	0	0	0	0	0	0	0
OTU_85	47	29	40	107	4	92	8	118
OTU_86	3	0	0	70	2	63	7	0
OTU_87	4	0	0	0	0	0	30	8
OTU_88	6	0	0	94	18	52	0	9
OTU_89	8	0	0	14	0	0	3	0
OTU_9	0	70	0	152	644	121	3	0
OTU_90	0	2	0	2	0	0	0	0
OTU_91	125	29	114	40	26	9	11	139
OTU_92	0	7	48	24	88	5	0	0
OTU_93	0	0	0	0	0	0	0	74
OTU_94	0	0	0	0	0	0	0	0
OTU_95	20	18	2	10	25	194	58	77
OTU_96	31	4	0	34	4	0	3	2
OTU_97	0	2	0	0	0	0	0	0
OTU_98	0	2	7	2	3	6	2	0
OTU_99	0	0	0	0	0	0	0	0
				Read per s:	4573	6598	6528	5683

353_wt_4	193_wt_12	197_wt_4	186_are_8	223_wt_8	223_wt_12	244_are_1	207_are_1	232_are_1
0	0	0	219	0	0	1048	2972	2580
151	0	218	72	13	60	40	113	64
4	0	27	0	4	4	0	0	0
0	0	0	0	0	308	0	0	0
70	4	0	0	0	0	0	0	0
0	0	0	5	0	0	0	0	0
47	2	10	68	63	30	17	22	3
0	0	0	34	0	0	0	0	0
0	0	0	96	0	0	129	114	138
0	0	0	15	0	0	34	48	118
0	0	0	0	0	0	0	0	4
21	0	0	7	0	79	6	52	2
0	0	0	4	4	0	0	0	0
55	3	0	4	146	53	0	11	0
0	0	24	0	0	2	0	0	0
0	0	0	38	0	5	19	73	64
0	0	0	4	0	0	0	2	0
7	0	0	0	0	0	0	0	0
27	6	0	0	16	33	0	0	0
0	0	0	0	0	265	0	0	7
3	0	0	6	0	0	51	0	70
0	0	5	48	2	35	60	29	44
0	0	77	29	0	3	19	29	49
484	0	0	29	0	0	5	6	0
0	0	0	8	0	0	0	0	0
0	0	2	48	0	0	12	23	22
138	54	268	42	286	54	14	49	8
5	4	13	56	14	28	112	35	42
34	20	67	87	148	23	146	145	95
96	10	4	4	0	51	2	0	0
4	0	0	0	0	102	0	0	0
35	2	8	2	54	27	0	0	0
38	4	0	13	0	18	8	4	0
11	40	0	5	301	89	0	2	2
763	330	485	536	1010	602	130	262	121
8	2	63	31	0	2	19	18	147
18	0	0	42	0	32	24	3	50
16	0	0	0	0	8	3	0	0
4	0	0	22	0	0	0	0	44
0	0	0	121	0	0	12	6	28
0	0	0	0	0	0	288	179	0
0	0	0	9	0	0	12	0	0
0	0	0	0	0	5	0	0	4
20	3	82	9	8	3	37	20	8
0	0	3	4	0	0	47	11	0
13	2	0	22	6	8	6	24	29
0	0	6	7	0	0	0	2	0
239	0	2	8	200	54	0	0	0
78	0	0	0	0	2	0	0	0

0	0	0	71	0	0	32	49	82
0	0	10	16	0	0	13	43	29
0	4	13	64	74	36	139	122	84
308	25	199	26	5	305	18	27	27
0	0	3	4	5	13	0	9	4
0	7	49	53	5	28	32	163	65
0	6	44	4	3	9	64	63	10
50	0	3	0	32	14	0	0	0
0	0	0	14	0	25	0	31	22
16	2	0	0	0	2	30	0	3
0	6	70	3	0	0	0	44	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	117
2	0	5	21	5	3	18	7	12
13	2	2	0	4	5	0	0	0
0	0	0	0	0	2	0	0	0
0	0	19	32	0	0	276	64	92
2	7	8	0	21	15	0	0	0
0	0	29	0	0	0	0	0	0
0	0	0	11	0	2	13	4	0
0	0	96	36	3	0	59	67	12
139	30	16	0	116	59	0	2	0
45	0	10	9	9	43	0	3	3
0	0	0	3	0	0	0	6	0
0	2	0	5	0	0	14	0	0
0	0	0	55	0	0	64	17	15
0	0	0	0	0	0	0	0	0
0	0	9	3	0	0	0	6	16
0	3	0	0	17	10	0	0	0
35	0	0	18	4	145	0	9	6
20	0	0	9	2	6	30	18	3
0	0	0	58	0	0	0	66	0
9	0	18	15	0	6	2	0	10
0	0	0	32	0	0	0	15	0
19	3	0	0	213	62	0	0	0
18	5	0	0	0	7	0	0	0
0	0	0	0	0	0	0	0	0
30	2	0	0	0	3	0	0	0
0	0	23	8	0	0	0	8	27
0	5	0	20	0	33	4	0	0
0	0	0	22	0	2	45	23	4
2	0	88	31	0	0	20	31	13
0	0	14	19	0	0	10	17	14
12	5	26	15	16	7	26	11	6
4	7	0	37	102	0	0	0	0
7	8	0	58	3	117	5	53	25
99	296	2	81	290	0	3	5	0
4	0	0	0	9	59	0	0	0
0	0	0	0	0	0	0	0	0
8	14	25	3	52	25	3	7	25

0	0	0	21	0	0	3	74	26
0	0	2	45	0	4	121	4	10
2	25	0	22	21	25	6	39	14
14	4	11	22	16	34	28	33	11
0	0	0	23	0	0	11	18	29
12	3	57	0	2	9	0	0	0
0	0	0	3	0	0	2	6	22
0	0	0	0	0	0	70	79	213
0	16	0	440	150	161	789	222	164
0	0	4	0	0	2	6	0	0
34	2	0	0	7	7	0	0	0
0	0	0	9	0	0	0	0	5
34	0	21	11	47	20	0	12	0
0	0	0	0	0	0	0	0	37
41	6	0	0	12	37	0	0	0
31	0	12	11	0	11	11	9	7
13	4	15	13	5	15	24	29	21
0	0	0	0	0	14	0	0	0
122	0	37	2	0	42	0	8	4
98	92	179	4	401	158	27	124	18
0	0	0	0	0	91	0	0	0
28	2	144	8	0	25	4	7	10
0	109	0	14	0	0	0	0	7
0	0	0	0	0	0	0	0	0
53	2	0	0	13	7	0	0	0
6	3	192	13	0	16	25	15	2
0	0	0	0	1320	127	0	0	0
6	0	15	18	5	16	38	33	8
0	0	0	12	2	0	0	0	14
0	0	0	3	0	0	3	0	10
91	7	0	4	0	0	0	0	0
0	0	0	19	0	0	14	9	0
0	0	0	0	0	0	0	15	8
0	0	0	0	0	4	0	0	0
0	0	0	0	0	7	0	2	0
0	0	11	12	0	0	0	5	6
0	0	0	320	0	0	593	37	203
0	0	0	0	0	0	0	0	2
0	0	0	31	0	0	0	3	21
3	0	0	5	0	0	0	0	0
88	0	0	0	0	10	0	0	0
0	0	0	90	0	0	0	2	0
0	515	0	0	2	0	0	0	0
10	11	3	5	88	56	0	12	4
0	0	63	62	0	6	51	13	10
0	0	0	9	0	0	50	2	12
4	0	15	139	2	0	120	103	240
0	0	0	5	0	0	0	4	6
0	0	0	38	0	0	9	14	27
0	0	35	21	0	0	2	0	2

55	3	6	0	6	5	25	9	0
0	25	0	2	31	0	0	0	0
2	3	4	2	45	6	0	0	0
0	0	0	0	0	0	0	0	0
0	12	0	3	0	0	2	5	85
0	0	0	15	2	7	74	16	30
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127	7	926	0	187	103	3	6	0
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0	0	0	224	0	0	135	274	0
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0	0	0	0	0	0	0	0	0
13	2	99	2023	19	19	1958	1308	711
0	0	0	95	0	0	173	180	2
6	0	0	44	0	27	0	8	0
12	4	17	0	21	44	0	0	0
36	22	7	132	0	140	66	92	117
22	0	0	0	0	0	0	0	0
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11	2	60	15	4	11	20	11	7
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0	0	19	295	0	0	726	720	427
11	12	0	0	0	14	4	2	0
311	58	556	182	140	70	86	169	72
0	15	0	0	0	107	0	0	0
0	0	0	31	0	0	171	154	90
24	2	4	8	0	455	0	3	0
0	0	0	104	0	0	9	41	82
0	4	0	0	0	0	4	0	0
4	13	0	0	0	15	0	0	0
0	0	0	0	12	29	16	0	0
0	0	0	2	0	25	7	0	0
0	0	0	0	0	0	0	107	2
134	0	0	108	10	0	46	275	12
11	9	0	8	13	20	0	0	2
35	5	74	102	9	59	252	189	101
0	0	68	0	0	0	0	0	0
69	0	39	13	75	43	6	29	9
0	0	4	40	0	0	0	0	49
0	0	0	71	0	0	0	132	23
0	0	6	28	0	0	2	0	0
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24	0	0	2	0	4	0	4	0
0	0	38	106	0	0	127	42	113

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79	13	13	12	30	16	10	20	5
4	0	55	169	4	0	418	215	103
9	0	0	0	136	0	0	0	0
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162	6	106	40	31	82	28	43	43
0	0	0	0	25	0	0	0	0
0	0	0	0	0	0	0	0	0
4	85	274	0	262	23	0	0	0
21	23	0	139	0	11	0	107	0
289	0	0	10	2	2	0	10	5
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110	24	885	234	135	217	175	279	117
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9	0	0	0	0	46	0	3	0
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3	2	332	173	5	2	113	203	59
70	26	0	16	34	144	6	42	4
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57	28	5	4	64	52	5	10	3
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0	0	0	19	0	0	28	11	104
132	0	0	6	17	24	0	0	4
4060	643	0	0	6728	2048	53	2	0
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50	12	0	0	59	34	0	0	0
192	42	0	2	512	143	0	0	0
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3	3	0	352	0	5	135	68	172
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6	19	0	0	0	0	170	0	0
24	16	3	17	687	38	27	16	0
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0	0	0	0	5	68	11	2	7
523	0	0	0	0	0	0	0	0
129	14	28	25	79	86	2	14	4
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0	0	0	225	0	0	253	67	59
2	372	0	52	0	0	0	2	15
58	11	0	7	20	33	0	5	0
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60	5	0	0	13	0	0	0	0
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16	4	2	149	16	31	587	230	64
113	7	273	43	80	51	7	58	14
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44	49	238	2	62	70	0	2	0
172	0	0	11	659	3	2	16	0
51	2	6	12	3	48	11	5	21
0	0	448	439	2	0	1287	386	309
41	2	42	64	6	24	0	55	61
0	4	0	0	390	30	0	0	0
0	0	86	0	0	8	0	0	0
0	0	0	9	0	0	64	0	126
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26	0	0	56	0	0	0	0	0
9	0	0	4	0	0	8	2	5
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106	29	385	46	350	73	17	185	59
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0	0	0	0	0	176	0	0	0
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21	0	41	77	5	20	0	20	2
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7694	1735	6097	8726	11926	5957	8419	7261	4430

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50	156	0	55	30	19	12	52	26
4	5	0	0	48	0	4	6	4
27	52	188	63	191	134	47	2	35
3	82	31	86	26	22	65	16	13
2	21	0	23	13	0	0	120	0
4	8	20	52	0	3	0	4	30
28	0	0	78	0	0	0	0	0
0	2	0	0	0	36	15	0	12
180	0	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	6
17	11	9	44	14	9	29	4	5
2	10	0	3	0	3	0	5	2
0	0	0	0	18	0	0	45	0
0	0	36	4	0	24	53	0	101
0	5	0	9	8	0	0	20	0
8	0	0	14	0	0	16	95	0
0	10	3	8	0	9	16	0	10
2	24	60	29	11	23	23	0	17
17	66	0	11	102	5	0	42	0
44	57	0	65	11	0	4	16	2
3	0	10	0	0	44	25	0	7
11	0	0	0	30	3	7	4	0
3	0	13	15	4	0	19	0	0
0	0	0	0	59	0	64	0	0
0	0	13	0	27	15	4	0	24
4	8	0	29	3	0	6	0	4
43	2	10	11	40	16	3	121	5
6	9	8	10	0	4	3	7	22
0	0	46	0	0	25	44	0	0
5	8	13	6	5	26	0	20	7
0	0	15	0	0	14	0	0	0
15	130	0	31	0	0	0	2	0
16	37	0	18	0	0	0	9	0
4	0	0	6	0	0	0	8	0
9	0	0	0	0	0	3	0	0
0	6	0	0	0	9	0	0	0
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2	2	23	18	12	14	66	0	7
2	0	43	0	63	6	67	2	41
2	9	15	12	15	20	16	0	13
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26	11	0	10	0	10	2	0	2
12	29	20	414	5	15	7	50	13
0	165	0	37	0	2	0	222	1344
5	6	0	0	0	0	0	3	0
3	0	0	0	0	0	0	18	0
7	82	6	26	2	30	5	14	4

0	0	8	0	0	6	18	0	4
0	9	37	10	21	11	74	0	28
0	0	37	28	9	49	0	0	28
36	67	13	66	0	4	19	76	9
0	0	41	0	0	8	0	0	2
0	47	0	54	11	0	0	9	0
0	0	7	0	0	3	12	0	18
0	0	142	0	0	68	0	0	0
41	332	359	178	0	108	76	28	355
0	0	0	2	9	0	0	0	0
10	2	0	12	8	0	0	6	0
0	14	2	0	69	0	0	5	0
11	26	17	15	21	5	0	11	2
0	0	0	0	0	0	0	0	20
3	17	0	44	0	0	0	7	0
43	21	7	8	6	9	10	10	3
10	6	8	47	92	12	14	27	22
0	0	0	6	0	2	0	94	0
0	35	8	4	0	22	2	15	11
249	217	47	135	267	53	68	771	36
3	0	0	3	0	0	0	0	4
31	54	5	29	30	8	6	225	8
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0	0	0	3	0	0	0	0	0
8	26	28	9	12	11	42	11	32
27	13	0	6	4	2	0	68	0
0	0	0	0	16	3	0	0	14
153	50	0	0	0	5	2	0	2
0	0	9	0	0	31	12	0	2
0	0	0	2	16	0	0	0	0
0	0	0	0	0	2	0	0	0
14	0	0	5	0	0	0	0	0
0	3	8	0	15	4	13	0	5
0	0	74	0	0	531	2	0	153
0	0	0	0	2	2	0	0	0
0	0	2	0	0	12	4	0	62
21	0	0	0	0	0	7	0	0
54	0	0	0	0	0	0	0	0
0	0	0	0	0	66	0	0	0
0	0	0	18	0	0	0	0	0
5	45	0	22	4	16	7	18	3
0	30	21	12	2	12	38	2	33
0	0	10	9	0	0	4	0	29
0	0	180	0	176	93	129	0	140
0	0	7	0	0	8	3	0	35
0	0	32	0	0	2	3	0	0
2	0	0	0	31	0	13	0	2

20	10	9	2	0	3	20	2	14
102	153	0	67	0	0	0	3	0
34	48	0	8	0	5	0	0	0
368	0	0	69	0	0	0	0	0
16	80	130	13	0	6	25	0	61
0	18	33	16	64	22	52	0	39
0	0	0	0	0	0	2	0	0
0	28	0	69	0	0	0	0	0
0	0	0	6	0	0	12	0	11
46	100	2	37	216	2	5	202	0
9	7	0	53	2	0	0	150	22
18	0	0	0	3	2	2	5	16
44	0	0	21	0	0	0	0	0
9	27	0	24	0	3	7	3	4
0	5	5	6	0	0	0	16	0
0	0	48	0	0	371	0	0	0
0	0	21	0	0	70	0	0	0
0	0	0	3	0	0	0	0	0
31	3	398	28	40	974	879	3	614
0	0	95	0	0	253	5	0	107
10	0	4	0	3	11	2	55	5
24	17	0	7	2	0	0	3	0
39	23	101	536	238	206	22	506	82
0	24	0	2	0	0	0	182	0
0	0	6	0	0	20	3	0	11
27	27	38	28	43	21	12	36	12
0	0	9	9	0	3	0	0	10
0	8	420	26	28	364	700	0	148
15	1026	0	3	81	3	0	5	0
165	144	130	82	32	189	116	68	154
54	151	0	21	0	0	0	10	0
0	0	35	0	0	48	20	2	31
116	14	0	25	0	3	0	0	3
0	0	69	0	0	70	0	0	222
4	0	0	35	0	5	2	0	5
11	455	0	13	35	2	0	23	0
8	0	0	10	0	0	0	165	0
0	0	0	1607	0	0	0	0	0
0	0	96	0	0	0	27	0	11
0	13	19	22	0	53	70	8	126
60	21	0	130	0	2	20	25	5
27	163	218	192	538	198	403	260	145
0	150	0	0	0	9	0	0	0
18	0	15	0	29	2	47	33	13
0	8	0	0	540	12	14	0	99
0	0	142	0	0	2	53	0	40
0	0	0	0	0	3	22	0	11
9	53	0	5	0	7	2	0	4
2	17	2	14	0	0	0	0	2
0	0	142	0	0	189	152	0	65

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0	0	6	0	4	4	18	0	23
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0	36	0	12	0	0	0	0	0
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36	108	63	63	237	39	82	141	21
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0	569	0	60	0	0	0	78	0
4	0	0	36	0	118	3	0	0
19	0	0	0	0	141	3	10	0
36	0	0	0	0	3	0	27	0
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125	665	359	373	828	230	774	133	349
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6	9	160	0	60	201	89	7	58
134	254	26	204	21	42	0	226	11
22	0	12	14	17	13	66	15	13
24	64	7	25	0	29	12	10	20
0	0	0	0	4	0	0	0	0
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0	0	0	3	59	2	0	6	0
6	24	772	43	0	7	237	105	860
16	18	0	2	0	4	0	2	0
53	439	0	110	3	6	0	226	6
98	99	0	4	0	0	0	300	7
11	5	0	4	0	0	0	18	0
0	0	7	0	4	29	118	0	15
0	0	105	0	0	403	0	0	13
11	16	0	8	0	0	0	2	0
0	0	0	0	0	0	0	0	0
0	0	0	0	13	0	0	8	0
0	2	0	2	0	0	0	10	2
57	0	214	2	0	299	28	0	125
0	0	49	0	0	145	53	0	79
0	0	455	0	0	586	57	0	0
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0	0	0	0	0	0	0	0	0
46	22	10	33	0	35	6	12	22
210	0	0	0	0	0	0	0	0
80	0	3	0	11	12	0	0	0
68	22	0	39	128	0	83	142	69
0	0	111	8	0	0	38	13	0
59	84	15	86	16	15	56	432	0
0	0	57	0	51	51	2	0	36

0	0	136	0	49	99	98	0	116
0	0	11	326	0	643	0	0	13
7	0	0	37	35	3	0	21	0
0	135	0	434	0	32	0	0	0
0	6	0	46	0	0	0	4	0
39	13	126	26	0	80	137	36	125
38	46	362	46	6	88	220	0	103
3	38	41	45	22	62	31	8	29
38	19	17	39	0	0	17	177	8
56	27	0	45	4	3	0	22	0
35	26	10	14	2	16	22	50	0
17	5	0	18	428	6	3	73	3
0	0	238	0	4	435	828	0	273
37	5	50	21	144	56	76	23	60
0	95	0	0	0	5	0	0	0
0	17	0	3	0	0	0	100	0
0	0	27	0	243	8	0	0	129
0	0	141	0	0	393	0	0	0
10	17	50	411	12	12	13	20	8
0	0	3	0	368	71	0	0	9
33	56	0	66	0	15	7	0	0
9	31	39	0	30	4	0	105	0
221	0	0	0	0	2	0	0	0
2	0	0	0	42	0	12	0	0
3	0	2	0	0	20	3	0	8
134	146	12	40	20	19	49	33	42
10	20	0	0	110	0	0	2	0
0	0	0	0	0	0	2	0	111
0	0	0	3	0	0	0	0	0
0	2	41	3	18	30	99	2	25
6	19	2	7	0	2	16	365	8
0	0	2	0	2	0	0	0	0
9	32	3	11	3	5	0	8	2
0	0	0	0	0	0	0	0	0
2968	5793	6345	6301	4917	7982	6434	4834	5114

192_are_4	193_wt_8	229_wt_8	192_are_8	223_wt_4	194_are_1	195_wt_12	234_are_1	233_are_1
16	0	0	1464	0	2	0	1919	1346
243	5	8	90	66	0	5	51	77
0	11	5	0	2	0	0	0	0
0	6	0	0	0	0	0	0	0
12	34	0	0	2	0	153	0	0
0	0	0	0	0	0	2	0	0
151	8	6	14	31	7	45	46	5
12	0	0	148	4	0	0	2	0
0	0	0	21	0	0	0	184	247
0	0	0	32	0	0	0	157	107
0	0	0	0	0	0	0	0	0
84	0	22	2	19	0	66	4	0
0	0	0	0	0	0	0	0	0
31	53	0	0	125	0	74	0	0
2	15	5	0	156	0	0	0	0
59	4	0	118	27	277	3	236	117
0	0	0	0	0	0	81	10	0
2	0	4	0	18	0	60	0	0
7	13	0	0	14	0	61	0	0
0	0	3	0	0	0	0	125	11
16	0	0	2	8	0	34	6	67
60	12	25	6	38	0	37	122	85
69	38	2	5	13	0	12	25	58
92	0	0	247	196	0	0	13	116
0	2	0	0	0	0	0	0	285
7	0	0	64	5	0	0	21	9
135	162	5	18	25	29	31	12	36
54	28	12	8	25	219	32	43	89
65	56	47	33	198	107	154	145	111
68	150	32	7	64	0	17	4	0
0	0	6	0	44	0	0	0	0
12	24	7	0	10	38	20	0	0
77	254	0	0	0	86	19	4	0
4	106	7	0	33	39	34	0	0
92	75	127	49	60	0	351	392	330
13	17	8	25	22	7	3	63	55
9	9	0	7	17	0	48	261	113
2	0	3	0	0	0	21	2	6
45	0	0	6	0	0	0	0	6
0	0	0	9	28	0	0	40	44
0	0	0	0	0	0	0	0	0
30	0	0	6	4	0	0	3	0
5	3	0	5	3	0	19	0	0
31	35	29	8	11	33	24	19	50
0	72	0	21	0	0	94	14	0
67	15	19	39	26	6	48	20	11
0	0	0	12	14	273	0	0	0
38	187	2	3	36	93	37	0	0
0	0	0	0	21	232	0	0	0

4	0	0	119	16	0	0	194	92
101	0	0	0	44	0	0	10	29
29	70	16	62	18	0	8	133	95
37	288	29	8	34	45	51	10	28
84	5	0	2	0	42	15	6	6
257	70	9	87	136	0	14	24	181
19	58	31	11	20	7	60	29	2
0	16	0	0	39	0	51	0	0
0	0	0	24	0	0	47	38	13
14	0	0	10	21	0	0	0	0
0	4	6	0	69	0	0	2	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	178
0	22	19	0	27	280	25	28	6
2	11	0	0	2	14	4	0	0
0	0	0	0	0	0	0	0	0
119	0	0	32	31	1995	2	93	111
4	8	0	0	6	4	2	0	0
0	8	0	0	49	0	0	0	0
4	8	10	2	13	105	61	2	0
52	31	24	17	5	0	11	6	21
17	5	37	0	122	2	46	0	2
8	38	5	4	15	8	42	0	0
0	0	0	0	0	0	4	23	0
0	2	4	5	55	0	0	22	0
32	0	0	118	25	0	24	0	53
0	0	0	7	0	1538	11	0	0
6	0	0	0	9	161	0	8	32
5	4	9	0	0	2	29	0	0
53	88	0	7	6	0	62	12	6
23	22	3	16	5	100	6	10	11
85	0	0	87	0	0	0	0	0
69	13	0	2	31	2	9	2	29
0	0	0	2	0	0	0	0	0
0	58	2	3	6	2	10	0	0
2	27	0	0	14	7	7	0	0
0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	22	0	0
82	15	0	10	0	0	0	14	11
0	31	0	3	0	5	18	0	0
52	0	2	4	21	0	15	5	16
81	4	3	16	11	0	2	21	15
41	11	21	11	41	0	0	7	12
0	43	7	8	14	440	6	9	9
0	42	0	0	0	45	18	2	0
19	13	37	99	10	0	178	70	31
23	0	443	50	29	2	118	34	26
0	0	0	0	2	0	3	4	0
25	0	4	0	11	0	0	0	0
32	53	9	10	15	37	14	16	25

0	0	0	84	0	0	0	74	8
2	10	4	20	14	30	8	26	53
4	0	31	24	17	0	52	65	3
0	58	53	6	12	4	123	12	31
0	0	0	101	0	0	0	35	47
0	24	9	0	4	0	33	0	0
0	0	0	6	0	0	0	4	10
0	0	0	14	0	0	0	196	8
41	303	203	196	0	5	39	174	95
18	0	0	10	2	98	5	0	0
2	0	0	0	0	0	0	2	0
0	0	2	21	24	0	0	0	9
24	15	9	0	6	0	8	7	9
0	0	0	0	0	0	0	39	95
63	0	3	0	0	37	24	0	0
48	16	3	3	18	0	66	8	4
14	38	25	0	29	0	26	20	26
0	0	0	0	6	0	0	0	0
27	13	0	0	114	0	26	12	0
81	188	269	18	256	0	707	62	14
0	0	0	0	0	9	0	0	0
40	47	9	0	82	0	30	0	11
0	223	0	0	2	0	0	34	0
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0	28	13	0	20	0	22	0	0
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0	0	0	0	0	0	0	0	0
39	20	12	6	51	0	14	11	26
0	19	0	0	0	0	0	2	0
0	0	0	0	0	0	0	12	32
80	100	59	0	0	424	0	0	0
0	0	0	89	0	0	0	0	0
0	0	2	0	2	0	0	4	0
0	0	4	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
34	0	2	15	9	0	0	3	7
0	0	0	193	124	0	0	40	140
0	0	0	0	0	0	0	0	3
2	0	0	37	5	0	0	66	71
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	19	0	0
0	0	0	0	0	0	0	0	0
59	25	3	5	3	9	22	13	3
19	11	0	7	0	0	4	0	7
17	0	0	0	3	0	4	14	6
243	2	0	427	187	69	0	124	316
0	0	0	2	0	0	0	4	0
8	0	0	18	0	0	0	44	10
65	5	0	3	4	0	0	4	7

14	26	2	6	5	40	12	11	7
0	4	5	0	0	0	169	0	0
43	10	3	0	4	10	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	17	2	0	22	100	82
5	17	10	2	34	29	4	9	92
2	0	0	0	0	0	0	5	0
0	8	17	0	0	0	0	0	0
24	0	0	0	12	0	0	7	16
57	41	19	0	65	0	244	2	0
9	3	0	0	0	19	14	0	0
21	7	3	5	0	0	12	10	9
18	0	0	0	0	0	0	0	0
28	10	5	11	3	41	11	0	0
5	0	0	0	4	0	13	0	0
0	0	0	323	0	0	0	0	0
0	0	0	391	0	0	0	6	0
0	0	0	0	0	0	3	0	0
1288	89	12	710	215	3	36	384	1346
1055	0	0	106	0	0	0	59	25
36	4	5	64	20	0	12	14	0
48	14	0	0	27	40	9	0	0
40	24	77	253	408	7	1505	227	143
0	33	5	0	16	0	377	0	9
0	0	0	16	0	0	0	135	8
40	42	22	39	18	63	37	25	38
0	0	0	6	2	939	0	24	82
279	35	0	29	25	0	3	235	424
10	0	2	2	181	0	0	0	4
253	314	10	50	51	0	58	122	104
0	319	119	79	0	0	13	4	0
0	0	0	2	0	0	0	264	353
0	51	2	0	3	0	0	0	0
0	0	0	2	0	0	0	827	123
8	0	0	0	0	0	29	4	0
5	0	0	0	59	0	0	0	0
0	29	0	0	0	2	5	0	0
0	0	0	0	0	0	0	0	0
0	0	0	160	0	0	0	0	241
135	0	14	49	123	5	58	11	127
17	27	19	0	6	137	46	0	2
163	282	161	68	143	0	39	118	239
0	0	0	0	2	0	0	0	0
32	0	52	36	146	186	2	6	11
586	0	0	21	0	0	0	5	28
14	0	0	139	0	0	0	61	44
3	0	0	19	0	0	0	0	8
6	141	3	0	0	62	0	2	0
48	3	7	0	38	0	8	0	0
171	0	0	141	66	0	0	209	256

114	0	0	9	0	0	0	4	0
0	0	0	0	0	0	0	0	120
3	0	0	30	0	0	0	75	20
56	6	9	2	25	0	18	0	21
369	26	3	66	65	0	12	33	351
0	0	0	0	3	5	55	0	0
4	0	0	0	0	0	0	0	0
155	152	78	95	118	0	58	21	76
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	278	3	0	68	0	204	0	0
101	0	0	2	0	0	0	3	0
66	243	0	50	0	0	51	3	41
2	0	8	0	38	0	16	0	0
0	0	0	0	13	0	8	0	0
205	597	200	0	285	0	528	100	329
0	0	0	4	0	0	174	0	0
0	0	0	2	0	0	36	29	0
0	24	159	0	92	0	108	0	0
16	12	5	0	11	0	25	4	10
586	12	5	198	224	78	8	82	135
51	21	22	38	127	37	80	18	15
51	39	0	21	177	188	70	11	51
7	36	0	5	10	34	16	13	4
0	0	0	0	0	0	0	0	0
2	0	0	67	5	0	0	238	39
14	4	0	2	2	0	10	2	0
1519	15	0	32	1173	0	594	38	0
0	3	3	0	101	18	0	0	0
11	874	22	2	7	10	32	2	14
96	98	8	0	67	0	61	0	0
0	0	0	0	3	0	65	0	0
542	0	0	28	0	0	0	30	3
0	0	0	41	0	0	0	42	288
0	2	0	0	0	0	8	0	0
0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	49
27	32	0	0	7	3	2	0	0
4	2	0	243	0	0	5	343	262
0	0	0	55	0	0	0	264	87
162	0	0	1559	3	2	0	0	0
382	0	0	16	13	0	4	0	54
0	0	0	0	4	0	8	0	0
23	68	4	0	7	270	15	11	0
0	0	0	0	0	0	0	0	0
58	0	5	0	460	0	0	67	24
40	58	56	9	113	0	21	20	12
229	0	0	3	0	0	67	0	0
0	67	310	6	316	14	123	16	7
56	0	0	51	23	0	0	15	146

94	0	0	76	48	0	0	42	217
0	947	0	0	0	0	0	225	0
32	26	3	0	16	0	18	0	4
0	42	10	0	0	0	224	0	0
0	2	0	0	105	59	375	0	0
158	57	84	71	61	0	62	20	86
127	74	33	94	9	0	77	60	74
10	14	38	12	8	0	6	20	35
3	28	93	0	5	0	15	7	0
16	8	5	0	39	20	40	0	3
43	156	21	6	7	44	33	6	2
27	4	7	5	131	0	32	4	4
1652	0	0	1059	245	0	0	879	292
243	45	26	48	255	0	46	34	44
0	41	0	0	0	0	0	0	0
22	7	20	0	14	0	0	3	5
0	0	0	13	0	0	0	23	108
0	0	0	0	0	0	0	134	0
8	4	21	86	0	0	78	86	11
0	0	52	2	3	0	0	5	0
0	69	0	2	0	0	42	30	0
21	7	20	0	13	0	0	3	2
0	0	0	0	2	0	0	0	0
961	0	0	13	815	0	0	0	0
39	0	0	9	0	0	0	0	0
290	61	26	68	135	226	34	25	22
5	7	0	0	31	0	0	0	0
3	0	0	15	0	0	0	21	13
0	0	0	0	0	0	38	0	0
21	23	8	3	15	0	3	12	51
40	5	0	197	27	8	75	22	3
0	0	0	0	0	0	0	0	0
20	39	0	2	4	355	19	0	0
0	0	0	0	0	0	0	0	192
13192	5828	1931	7159	7217	2904	6259	6020	7140

196_wt_4	194_are_8	357_wt_8	201_are_8	232_are_8	323_wt_12	191_wt_8	195_wt_8	226_wt_12
0	2119	7	3193	331	0	0	0	2
21	57	5	192	65	0	33	6	29
21	0	2	0	0	2	4	0	6
22	0	5	0	0	0	93	7	11
0	0	0	0	0	0	0	10	9
0	0	0	0	0	0	0	0	0
23	12	56	3	18	16	5	11	12
0	0	0	17	61	0	0	0	0
0	167	0	6	222	0	0	0	0
0	6	0	0	331	0	0	0	0
0	0	0	0	0	8	0	0	0
0	6	149	39	0	0	57	49	37
0	0	0	0	111	0	0	0	0
71	0	173	4	0	2	419	143	144
0	0	4	5	0	5	8	0	5
0	62	6	121	46	0	19	3	0
0	0	0	19	0	0	0	0	0
0	0	0	0	0	312	0	0	16
0	0	56	0	0	69	17	3	112
0	0	0	0	0	0	0	0	220
0	10	0	38	253	0	0	0	0
30	28	27	69	167	0	45	12	48
4	4	33	41	55	0	2	0	133
0	0	43	0	30	177	419	0	0
0	0	0	10	0	0	0	0	0
0	8	0	5	8	0	0	0	0
263	5	62	16	0	158	25	5	30
69	36	129	127	57	4	24	156	64
0	112	26	97	112	0	82	317	12
47	0	64	14	0	72	65	31	80
269	0	2	0	0	27	2	10	74
64	0	17	0	0	50	76	12	11
0	10	7	0	0	112	12	0	7
0	5	21	0	0	50	24	6	47
618	195	103	229	334	395	137	140	439
0	9	7	34	13	7	2	11	7
0	8	31	25	45	16	6	2	8
0	0	21	0	2	2	81	13	38
0	17	0	104	0	0	0	0	0
0	3	0	11	52	0	0	0	0
0	0	0	0	0	0	0	0	0
0	3	0	21	0	0	47	3	0
0	0	5	0	4	3	0	53	8
216	101	180	69	60	3	103	30	28
0	0	340	5	3	240	3	17	68
14	9	74	22	21	3	11	44	10
0	2	0	43	19	0	6	0	0
26	0	23	4	0	107	56	5	21
0	0	21	0	0	4	0	0	32

0	38	0	67	6	0	0	0	0
3	14	22	71	48	0	0	0	0
9	53	9	161	165	0	2	109	71
141	6	51	34	9	84	20	31	65
0	0	20	27	9	7	38	0	13
89	41	111	118	101	2	13	56	145
42	52	97	69	3	4	15	88	16
48	2	87	2	0	4	125	142	42
0	4	67	35	0	21	0	89	0
0	0	7	0	0	11	0	0	0
0	6	23	11	0	15	0	0	0
0	0	12	0	0	11	0	0	0
0	0	0	0	42	0	0	0	0
6	14	23	38	5	0	19	23	26
7	0	2	0	0	9	8	0	7
0	0	0	0	0	0	0	3	0
19	75	0	85	2	0	0	3	0
21	0	0	0	0	12	0	3	13
0	0	15	2	0	0	61	2	15
22	3	22	2	4	0	0	27	30
133	68	16	58	16	0	4	52	0
214	0	19	0	0	120	9	22	37
17	0	19	0	2	20	6	9	108
0	0	0	0	2	0	0	0	4
0	3	124	2	0	350	0	0	12
0	38	2	81	13	0	0	0	0
0	0	0	0	0	0	5	2	0
2	0	2	8	18	0	0	0	0
0	3	59	2	0	7	0	9	49
0	0	136	11	4	41	78	11	36
4	2	0	8	6	13	6	7	3
0	0	0	88	0	0	0	0	0
43	4	11	0	7	0	19	0	20
0	0	0	6	0	0	0	0	0
0	0	12	0	0	20	0	2	44
0	0	0	0	0	13	29	4	10
0	0	2	0	0	30	67	0	18
0	0	0	6	0	20	0	5	5
8	8	32	0	0	0	40	0	132
0	0	3	0	0	34	2	0	17
56	9	21	44	6	0	0	8	12
45	14	27	20	42	0	2	7	4
7	8	5	39	14	0	0	0	0
22	4	70	23	10	2	28	9	13
2	0	18	8	0	34	12	0	20
0	122	332	122	9	66	43	192	165
0	0	13	0	5	70	113	128	10
0	0	0	0	0	30	4	0	3
0	0	2	0	0	0	52	0	0
40	11	19	0	11	24	9	4	12

0	11	0	4	0	0	0	0	0
16	84	63	65	28	0	31	19	14
0	0	23	0	79	0	0	21	26
18	28	203	35	37	11	63	156	40
0	0	0	0	90	0	0	0	0
23	0	41	0	0	0	14	121	12
0	31	0	13	0	0	0	0	0
0	0	4	0	0	0	0	0	0
182	212	948	28	220	2	4	411	437
0	0	2	0	0	0	0	0	5
10	0	4	0	0	19	12	7	4
0	0	8	3	0	3	3	0	0
45	2	13	7	9	8	3	12	3
0	0	0	0	0	0	0	0	0
0	0	0	0	0	76	15	16	10
3	4	11	8	0	5	38	12	53
47	10	11	8	10	20	9	6	20
65	0	0	0	0	0	0	2	12
0	2	0	0	0	2	0	5	5
161	21	460	64	16	107	349	146	314
0	0	4	0	7	0	0	0	0
33	0	30	11	3	10	109	8	23
0	4	26	12	19	13	0	0	0
0	0	0	0	0	0	0	0	0
0	0	43	0	0	0	55	53	15
52	0	50	8	10	2	26	22	13
0	0	0	0	2	0	0	0	42
28	24	98	11	17	0	4	34	11
0	2	0	5	0	0	8	26	0
0	0	0	0	3	0	0	0	0
0	3	4	4	0	2	0	14	172
0	6	2	41	0	0	0	0	0
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0	0	0	0	0	16	0	0	0
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0	62	0	67	175	0	0	0	0
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0	0	0	7	18	0	0	0	0
0	0	0	25	2	0	0	0	3
0	0	85	0	0	4	0	0	2
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0	0	0	0	0	2	0	0	0
62	6	22	0	0	38	2	0	28
39	67	38	0	19	0	3	24	9
0	71	0	7	30	0	0	0	0
18	60	3	75	308	0	0	0	3
0	2	0	15	15	0	0	0	0
0	37	0	0	2	0	0	0	0
6	7	6	14	20	0	0	0	0

56	4	6	4	0	20	10	5	14
0	0	2	0	0	16	80	81	2
38	5	3	0	0	30	0	2	4
0	0	0	2	0	260	0	0	0
0	47	9	14	114	3	0	0	11
8	35	10	14	23	0	2	85	0
0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	11	0	0	0	0
582	0	46	14	0	62	468	68	44
0	0	3	2	2	69	14	11	54
0	0	22	3	65	9	11	4	16
0	0	0	0	0	35	0	0	5
0	4	156	0	0	10	2	2	6
3	0	0	0	0	0	3	2	2
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	6	0	0	0	0	18	2
344	1353	244	867	1409	4	58	26	169
0	140	9	56	60	0	0	0	0
0	2	8	2	0	0	17	0	0
15	0	14	0	2	26	3	0	8
11	55	79	231	41	81	62	279	341
33	0	0	0	3	0	237	62	0
0	36	0	61	0	0	0	0	0
24	0	36	24	31	10	26	24	38
0	0	0	4	12	0	0	0	0
17	176	22	281	172	0	2	0	0
0	0	10	0	0	34	2	38	13
209	109	130	35	44	86	19	12	52
0	0	85	0	3	85	12	3	82
0	15	0	0	42	0	2	0	0
0	0	189	0	0	51	0	6	0
0	126	0	47	58	0	0	0	0
0	0	0	0	0	5	0	0	9
0	0	8	0	0	118	27	24	37
0	0	0	0	0	80	44	377	11
0	0	2	0	0	1882	0	0	859
0	0	0	2	4	7	0	0	0
0	92	2	5	14	14	3	2	0
0	4	129	3	11	0	240	0	141
262	203	787	223	132	3	540	236	83
48	0	0	0	0	0	0	0	0
105	8	214	63	12	8	101	32	142
5	14	0	43	4	34	0	37	0
0	116	0	0	6	0	0	0	0
0	13	0	8	7	0	0	0	0
0	2	12	0	0	18	0	4	3
52	0	0	0	0	6	8	2	6
72	122	0	128	301	0	0	0	0

0	4	0	16	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	6	0	0	43	4	0	0	0
391	0	2	0	0	51	2	21	29
15	215	5	211	318	0	11	18	0
0	0	0	0	0	15	18	4	0
0	0	0	0	146	0	0	0	0
35	19	132	92	23	20	157	81	162
0	0	0	0	0	40	0	0	0
0	0	0	0	0	127	0	0	0
280	0	268	0	2	60	0	7	22
0	95	15	0	0	41	0	0	58
0	0	2	7	10	6	0	4	0
2	0	0	5	0	0	59	4	2
0	0	46	0	0	14	2	2	0
549	962	1894	659	226	29	498	4106	453
0	0	0	2	0	2	0	0	0
0	0	58	0	0	47	2	0	52
0	0	0	0	0	0	0	0	0
104	7	22	0	12	0	38	15	7
31	42	10	265	100	0	6	9	15
6	14	103	2	0	90	54	29	124
92	54	78	22	14	7	166	73	50
25	4	23	4	15	63	16	6	11
0	0	15	0	0	78	0	0	0
0	18	0	2	68	0	0	0	0
0	0	11	0	0	15	16	0	8
1524	0	1277	0	4	666	0	46	117
0	0	4	0	0	0	6	4	5
0	2	48	0	0	174	24	31	36
21	2	18	0	9	166	96	51	262
0	0	52	0	0	0	63	2	14
0	2	0	0	12	0	0	0	0
0	3	0	31	409	0	0	0	0
3	0	0	0	0	0	0	0	14
0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	5	0	26
4	0	3	0	2	14	4	0	7
0	38	148	29	21	10	0	0	7
0	36	0	125	137	0	0	0	0
0	69	0	413	0	0	0	0	0
0	0	10	4	7	0	0	3	0
0	0	0	0	0	0	0	0	16
41	6	150	0	4	102	15	2	72
0	0	171	0	0	55	0	0	0
14	0	18	0	0	0	0	0	13
107	30	33	8	68	0	39	34	87
0	0	167	0	0	4	0	0	61
25	8	93	11	15	27	153	306	652
0	0	0	2	41	0	0	0	0

0	141	0	14	108	0	0	0	0
0	31	98	30	48	63	0	4	0
13	0	11	0	0	22	3	0	14
0	0	312	3	0	239	0	43	0
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70	43	201	146	151	0	26	80	42
55	271	450	170	95	0	57	69	182
104	8	6	14	60	77	5	2	37
0	76	342	0	11	0	135	340	178
107	0	130	13	0	9	10	3	70
0	2	30	5	8	64	44	0	51
9	5	40	27	14	0	58	37	71
14	344	0	794	1027	0	0	0	0
33	66	154	185	19	3	35	14	63
0	0	2	0	0	87	0	0	14
40	0	6	10	0	5	76	3	4
0	0	0	44	143	0	0	0	0
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0	195	233	94	8	30	46	222	183
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0	25	55	0	2	155	0	20	48
9	0	23	0	5	0	9	118	10
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101	5	54	29	5	114	38	13	74
13	0	31	0	0	4	22	3	10
0	0	0	30	8	0	0	0	0
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132	24	45	20	34	0	0	0	4
14	43	3	21	6	5	158	5	17
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5838	5597	9356	5746	6074	5835	4166	7202	6207

54	0	26	61	40	0	0	0	0
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41	16	65	36	51	14	5	57	0
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0	9	0	3	21	0	0	0	3
47	71	118	114	91	34	28	159	0
7	30	21	24	46	23	8	57	0
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13	5	0	16	93	2	0	0	0
6	12	19	3	0	4	4	8	35
0	10	84	10	0	2	0	0	0
0	0	0	0	0	0	0	0	0
2	0	0	0	35	0	0	0	0
16	21	19	7	55	12	4	9	0
0	8	0	0	5	2	46	0	4
0	5	0	0	10	0	0	0	0
30	11	125	55	15	2	4	109	0
0	3	0	0	5	15	70	0	18
0	0	4	0	25	0	168	0	0
0	3	41	6	4	5	0	13	0
14	10	7	30	33	0	0	20	0
0	9	0	26	20	33	91	0	89
2	32	9	19	11	5	42	0	14
0	0	0	33	0	0	0	54	0
0	10	0	8	8	0	75	0	2
21	45	46	14	55	0	0	2	0
2	0	0	8	17	0	0	0	0
0	0	2	3	2	0	0	4	0
0	13	2	5	4	9	0	9	5
9	20	0	7	69	0	2	0	87
0	9	2	37	13	5	3	19	6
58	0	0	24	54	0	0	0	0
2	4	6	3	28	0	5	5	0
9	0	0	4	2	0	0	0	0
0	8	5	4	3	15	36	0	40
0	7	3	0	26	32	5	0	139
0	2	0	0	0	0	0	0	0
0	6	0	14	25	3	0	0	0
0	0	0	0	8	0	0	2	0
0	8	0	10	0	45	0	0	0
0	11	28	10	14	0	0	29	0
20	0	12	13	39	0	8	15	0
6	8	26	14	9	5	11	8	0
0	28	38	13	89	16	15	6	0
3	9	0	0	0	9	0	78	0
18	109	0	47	261	31	18	19	85
0	8	7	19	19	1196	146	0	126
0	2	0	2	3	10	0	0	14
0	0	11	0	3	0	0	0	2
3	16	9	3	9	29	4	7	9

7	0	0	6	12	0	0	0	0
10	8	21	27	51	0	3	49	0
24	91	56	12	181	112	8	0	11
16	31	56	36	125	24	5	21	3
17	0	2	0	0	0	0	0	0
0	19	0	0	31	17	0	0	11
19	0	0	18	3	0	0	0	0
89	0	0	0	20	0	0	0	0
64	83	189	66	192	103	3	466	2
0	3	9	0	0	0	0	0	0
0	10	0	0	12	29	0	0	0
0	0	5	0	0	0	0	0	2
6	7	10	5	3	52	28	0	0
0	0	0	0	0	0	0	0	0
0	16	0	0	25	96	23	0	35
4	41	9	2	78	23	6	9	14
4	34	17	16	15	25	37	10	5
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0	58	3	0	63	9	44	2	163
3	18	0	0	94	116	0	0	0
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0	17	7	5	78	9	106	12	0
0	0	0	0	0	33	0	0	0
4	14	18	19	45	6	3	12	0
3	0	0	0	87	0	0	0	0
0	0	4	0	0	0	0	0	0
0	18	0	0	2	15	6	0	0
64	0	0	0	5	0	0	0	0
2	0	8	10	9	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	73
4	3	20	4	10	0	0	0	0
82	0	4	0	145	0	0	0	0
0	0	0	0	6	0	0	0	0
2	0	55	0	9	0	0	0	0
0	6	0	55	0	0	0	0	0
0	0	0	0	0	0	0	5	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	1539	0	0	0
0	15	0	54	6	40	17	9	13
8	8	35	6	21	3	0	17	0
2	4	5	8	4	0	0	47	0
70	0	1228	22	103	2	2	77	0
6	0	13	0	0	0	0	4	0
2	0	0	18	40	0	0	0	0
6	4	39	0	5	0	0	2	0

0	6	9	19	10	14	0	36	0
0	113	0	0	187	13	78	0	0
0	20	0	14	4	9	9	0	6
0	204	0	0	0	0	2	0	0
2	10	0	0	0	24	0	0	28
0	7	35	32	19	0	0	0	0
5	0	4	15	0	0	0	6	0
0	15	0	0	0	29	0	0	0
0	0	28	4	0	0	0	0	0
0	6	0	0	204	70	129	2	165
0	9	0	25	16	8	11	0	17
0	2	2	0	2	0	0	3	23
0	29	0	0	54	0	0	0	0
0	6	0	8	15	0	4	0	4
2	0	0	2	0	22	4	4	9
190	0	0	0	101	0	0	0	0
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0	0	0	0	5	0	0	0	0
265	24	2590	452	401	22	0	843	4
59	0	0	0	34	0	0	0	0
0	0	0	0	6	0	0	0	10
0	8	0	3	6	29	0	0	23
78	1435	54	111	642	65	95	27	111
0	10	11	37	31	0	7	0	48
19	0	0	75	37	0	0	0	0
2	25	51	5	20	24	31	10	18
4	4	100	5	0	0	0	0	0
169	27	187	188	159	0	6	278	0
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13	76	53	354	75	162	39	136	37
0	7	0	0	3	42	23	0	13
82	0	0	0	3	0	0	0	0
0	145	0	9	29	4	0	0	6
164	0	0	65	136	0	0	0	0
0	0	0	21	38	0	0	94	0
0	22	0	0	44	20	16	0	2
0	32	0	0	103	0	0	0	0
9	1720	0	0	2	0	0	0	0
0	0	0	10	21	0	0	0	0
15	22	42	412	73	0	22	11	0
4	64	4	0	213	76	0	0	4
48	131	143	162	325	5	31	135	0
0	0	0	0	2	0	315	0	22
7	0	35	17	89	0	28	23	21
4	0	0	12	40	0	19	0	0
0	0	0	0	0	0	0	0	0
0	0	53	2	6	0	0	9	0
3	0	0	24	0	3	9	0	0
0	11	0	12	6	16	0	0	25
74	3	761	25	13	0	0	164	0

0	0	0	40	18	0	0	0	73
0	0	0	0	0	0	0	0	0
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0	20	0	47	42	8	71	0	11
64	13	123	67	134	11	0	63	0
0	10	0	0	0	0	101	0	0
0	0	0	5	2	0	0	0	0
8	49	71	46	165	43	44	47	156
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	67	2	0	48	327	772	0	2
3	26	0	0	9	53	0	0	15
0	18	55	0	55	0	0	0	115
0	6	13	0	2	2	12	0	69
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127	161	68	299	1371	143	29	231	440
3	0	0	0	4	4	0	0	0
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0	167	0	0	37	40	0	0	66
0	14	20	8	24	17	2	4	14
66	37	366	30	77	4	11	246	0
0	45	3	69	126	49	107	2	283
6	15	9	33	146	6	0	12	0
0	16	6	18	25	39	20	2	41
0	0	0	0	0	0	0	0	0
17	0	10	97	5	0	5	4	0
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0	345	0	2269	180	2203	927	514	234
0	0	0	0	26	2	148	9	10
0	71	0	7	90	72	177	0	243
0	3	0	10	136	25	447	45	234
0	114	0	0	0	13	2	0	4
2	0	84	9	2	17	0	7	0
90	0	0	0	11	0	0	6	0
0	5	0	0	4	0	3	0	10
0	123	0	3	0	0	77	0	0
0	0	4	0	16	0	0	0	3
0	0	44	7	3	0	0	0	8
117	0	0	46	6	0	0	0	0
77	0	0	45	51	0	0	0	0
439	0	0	328	14	0	0	0	0
3	5	9	13	16	0	0	13	29
0	0	0	106	0	0	0	7	5
0	67	4	13	2	58	82	45	12
0	0	0	0	0	0	0	0	0
0	0	0	17	9	0	0	2	0
6	60	154	25	50	12	0	43	0
0	47	0	402	0	0	0	72	21
0	29	2	15	422	145	37	7	115
0	0	128	41	99	0	0	2	0

39	0	121	53	72	0	0	11	0
14	70	0	0	305	502	0	0	0
0	9	0	20	21	41	4	0	355
0	379	0	0	6	149	0	0	0
0	43	0	0	326	45	0	2	8
29	32	49	38	81	39	13	6	23
45	34	89	58	180	0	0	132	13
3	50	13	91	3	49	10	20	2
0	18	0	21	378	0	2	0	0
0	46	30	11	56	54	249	15	30
0	33	22	14	9	16	42	4	25
0	29	22	7	69	2	265	11	67
122	0	1743	106	211	0	80	1543	0
36	64	0	58	96	8	43	161	25
0	8	0	0	0	12	0	0	2
4	31	0	0	28	0	38	6	49
0	0	10	0	124	0	0	70	0
0	0	0	0	0	0	0	0	0
13	43	5	48	192	35	16	7	47
0	0	0	0	6	0	0	0	9
16	92	0	0	20	95	0	0	0
0	5	3	2	34	0	0	2	0
0	0	0	0	2	0	0	0	0
0	0	171	3	0	0	0	135	156
0	0	11	0	2	0	0	0	0
4	80	50	136	74	220	88	27	164
0	0	10	0	5	0	0	2	2
3	0	0	0	0	0	0	92	0
0	19	0	0	2	0	0	0	0
8	0	34	40	8	0	0	10	0
9	20	0	29	270	9	60	0	45
0	0	0	0	0	0	0	0	0
0	15	8	11	22	15	16	0	37
0	0	0	0	0	0	0	0	0
2591	6726	7728	6957	9119	5219	4870	5392	3931

204_wt_12	324_wt_12	200_are_1	206_are_4	226_wt_4	357_wt_4	190_are_1	202_are_8	206_are_1
0	0	864	257	0	0	973	1055	968
6	0	51	559	108	203	89	199	111
0	2	0	0	0	4	0	0	0
12	2	0	5	33	70	0	0	0
0	12	0	7	37	2	0	2	0
0	0	54	0	0	0	116	0	0
17	30	22	61	34	16	3	103	22
0	0	19	83	20	0	70	94	0
0	0	186	32	0	2	466	36	94
0	0	22	13	0	0	24	38	17
0	92	0	0	0	0	0	0	0
22	0	0	13	0	0	4	18	18
0	0	2	0	0	0	0	0	0
6	0	32	77	36	217	5	0	18
0	8	3	0	0	2	0	0	0
22	3	29	11	0	0	36	44	8
0	37	5	182	5	3	0	4	0
0	101	0	0	0	0	0	0	0
23	150	0	0	95	21	0	0	0
103	0	0	0	0	0	0	0	0
0	0	11	72	0	4	0	0	38
31	3	40	84	0	0	71	39	16
4	0	24	41	0	0	51	13	14
19	0	462	4	767	2840	9	6	0
2	0	14	0	0	0	12	5	15
0	0	6	0	0	0	0	71	4
16	62	79	55	16	72	5	16	24
22	16	17	35	5	0	86	48	53
18	36	115	398	16	11	289	125	92
7	18	13	12	54	9	9	2	49
0	61	0	20	0	160	0	0	0
5	8	4	0	10	44	0	0	0
6	50	4	0	5	0	0	7	2
69	35	2	22	28	8	0	0	2
202	191	759	219	51	1400	155	174	310
2	13	73	60	0	4	8	11	16
49	5	61	4	5	8	44	17	56
61	19	72	8	4	5	0	0	0
80	0	237	10	0	5	0	115	20
0	0	27	51	0	0	42	17	21
0	0	0	0	0	0	0	0	164
0	0	0	25	71	0	10	0	6
7	0	0	3	8	0	0	0	0
34	2	13	19	24	7	80	84	46
127	276	25	306	0	405	0	0	14
13	32	39	68	14	6	10	14	28
0	4	28	40	0	0	26	0	0
0	78	21	0	51	90	2	0	2
0	0	0	0	52	6	0	0	0

0	0	62	23	0	0	57	38	75
0	0	7	47	0	0	27	17	33
51	10	63	129	43	2	108	222	54
22	103	109	44	60	314	9	25	28
5	12	8	3	14	0	0	2	4
92	52	187	444	11	5	262	259	97
31	15	7	4	6	0	31	87	34
14	14	0	0	81	31	0	0	0
69	0	21	0	0	0	15	6	35
19	5	0	0	0	11	4	0	0
0	6	0	2	50	6	0	0	0
0	9	0	0	0	0	0	0	0
0	0	37	0	0	0	26	3	14
8	17	15	17	4	14	14	20	2
0	14	3	2	0	0	0	0	0
0	0	0	0	144	0	0	0	0
0	9	20	0	0	0	39	541	43
4	0	0	0	48	0	0	0	0
0	2	0	0	27	0	0	0	0
36	7	0	2	2	0	2	21	9
36	11	11	25	0	0	95	99	19
2	28	4	113	46	2	0	0	2
21	7	6	0	0	29	0	0	0
4	0	170	0	0	0	9	0	9
6	382	0	0	58	4	0	18	0
0	12	5	0	0	2	0	12	11
0	0	12	10	0	0	0	0	0
0	0	3	4	2	0	25	0	3
12	4	0	0	4	2	0	3	0
44	59	20	0	20	22	3	14	18
5	4	18	9	2	7	10	5	15
0	0	22	0	0	0	64	0	78
11	15	37	61	25	0	0	4	3
0	0	13	17	0	0	80	0	62
0	16	0	0	26	17	0	0	0
0	21	2	0	12	29	0	0	0
4	99	0	0	0	0	0	0	0
3	3	0	11	0	6	0	0	0
2	0	3	0	0	0	5	9	14
0	12	0	0	0	0	0	0	0
3	0	13	18	0	0	48	61	12
4	0	20	50	0	0	32	34	44
7	0	22	10	0	2	22	29	17
8	14	21	34	10	3	5	18	15
0	38	5	0	0	10	0	0	0
326	3	21	2	0	3	7	26	37
0	15	96	0	119	473	6	0	17
7	0	0	0	9	6	0	0	0
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9	27	44	12	4	16	6	2	4

0	0	31	0	0	0	19	0	35
16	2	19	0	2	0	61	138	11
2	23	7	0	246	2	37	0	39
41	22	6	20	29	20	68	0	19
0	0	7	0	0	0	43	0	0
2	11	0	0	4	2	0	0	0
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0	0	324	0	0	0	99	0	826
658	37	72	0	0	12	497	696	203
2	0	0	8	3	0	0	0	0
0	10	0	0	0	12	0	0	0
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0	10	20	25	6	22	5	6	8
0	0	0	0	0	0	0	0	0
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8	21	9	23	62	16	4	9	5
12	14	27	61	6	3	13	12	3
0	0	0	8	0	0	0	0	0
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125	384	50	138	219	147	4	10	59
0	2	0	3	23	0	0	0	0
67	46	5	42	147	7	4	8	2
4	0	0	0	0	11	0	0	0
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0	0	0	0	53	4	0	0	0
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0	0	0	0	23	0	0	0	0
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0	0	0	2	0	0	0	0	2
0	0	0	0	0	0	0	0	5
0	0	0	29	0	0	2	0	0
0	0	0	0	0	0	8	19	18
37	0	0	0	46	0	0	0	0
0	23	0	0	0	0	0	0	0
0	4	0	0	0	0	0	0	0
0	0	3	0	0	2	4	6	4
0	0	343	0	0	0	163	248	132
24	4	2	15	0	0	0	0	0
0	0	6	0	0	0	3	0	8
0	3	0	61	0	0	0	0	0
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0	0	0	0	0	0	21	0	0
0	5	0	0	0	0	0	0	0
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5	3	11	0	0	3	60	35	27
0	0	0	0	0	0	0	93	8
0	16	191	220	0	6	118	94	96
0	0	0	0	0	0	5	2	11
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0	0	4	5	0	0	0	6	2

6	14	4	10	0	44	5	11	5
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0	407	0	0	0	0	0	0	0
0	18	69	0	0	0	8	37	61
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45	187	87	41	234	45	2	0	14
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423	75	3	19	0	0	0	0	0
41	0	5	21	0	46	2	0	0
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0	0	2	0	0	0	323	0	0
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47	0	0	7	0	0	50	73	87
18	4	4	7	6	20	0	0	5
8	21	6	0	2	7	0	0	2
306	15	106	85	131	18	18	77	93
4	0	4	0	4	667	0	0	0
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28	30	31	44	8	2	25	20	11
0	0	11	2	0	0	23	0	0
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11	7	2	20	0	0	0	0	0
21	134	703	83	12	113	140	221	96
20	234	4	0	2	3	5	0	0
0	0	118	0	5	4	76	0	61
45	6	5	0	0	0	0	0	0
0	0	75	0	0	0	262	24	23
0	0	0	44	0	0	0	0	0
19	34	0	8	0	0	0	0	0
239	12	0	0	0	0	0	0	0
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21	2	0	0	0	2	11	0	3
207	42	106	353	23	29	280	98	132
0	0	16	0	0	0	0	0	0
13	39	17	66	284	64	31	9	29
0	185	78	461	0	0	0	2	88
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38	63	78	166	108	67	34	36	35
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2	38	342	2	0	3	3	0	6
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197	94	217	699	198	76	1041	279	151
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39	0	0	0	0	0	0	0	0
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6	5	116	272	15	2	149	295	130
35	35	14	0	136	85	16	25	32
14	12	20	0	54	15	15	17	7
0	18	24	0	0	17	0	5	23
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6	10	2	0	4	7	0	2	0
311	66	84	327	0	22	13	148	16
14	5	0	0	75	19	0	0	0
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19	69	0	5	151	87	2	2	0
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52	3	10	184	0	11	399	30	46
0	0	86	0	0	0	159	21	163
0	0	23	0	0	0	2100	0	2529
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70	0	0	0	0	2	0	247	0
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0	17	0	0	0	0	0	0	0
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17	22	0	18	0	2	0	0	12
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126	50	42	5	465	25	27	5	4
0	0	33	41	0	0	42	37	17

0	0	66	69	0	0	139	70	82
17	0	3	2	0	42	0	0	0
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0	83	0	0	0	0	2	0	10
22	0	0	0	155	49	0	0	0
55	34	74	164	8	19	133	276	118
52	32	99	5	7	37	247	492	196
0	21	128	6	0	207	14	35	36
200	16	0	5	0	0	6	240	3
38	2	5	7	126	0	0	0	0
2	43	9	0	4	98	3	3	26
177	0	2	26	244	40	2	6	3
0	0	173	472	6	0	395	1258	489
5	26	77	58	46	23	19	52	50
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0	0	91	0	0	0	17	0	0
0	0	324	0	0	0	0	0	0
199	0	49	6	27	11	7	4	44
0	0	43	86	0	0	16	0	4
0	75	0	0	0	0	7	22	5
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0	0	0	0	0	0	0	0	49
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16	10	2	0	0	0	2	0	0
24	110	135	187	82	114	12	12	23
0	0	0	228	38	4	0	0	5
0	0	7	0	0	0	0	0	14
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32	4	9	15	138	194	37	26	9
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3488	6813	5411	5647	4647	2539	9492	6353	7702

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17	26	103	82	21	17	103	25	189
145	7	96	6	67	9	3	6	292
21	0	0	0	11	0	2	0	7
63	18	704	108	208	147	57	87	74
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2	0	218	0	57	0	0	0	7
3	0	2	117	0	0	42	0	11
14	0	0	0	377	23	0	0	0
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9	6	15	3	23	42	2	18	18
55	11	2	0	5	0	0	9	2
61	0	0	0	41	0	0	0	0
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12	6	0	35	32	10	19	159	7
8	111	0	0	39	79	0	161	10
0	0	0	0	2	18	4	2	57
0	0	0	15	0	0	32	0	0
620	0	0	0	348	6	0	0	16
0	0	0	13	0	37	3	0	0
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0	0	0	0	0	14	3	0	0
11	15	0	4	7	2	0	0	9
159	0	0	3	193	0	3	0	0
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0	0	0	57	0	0	121	0	0
136	0	0	4	81	39	6	0	8
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17	0	0	0	10	6	2	0	63
6	0	6	0	9	21	0	0	0
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5	22	0	6	14	0	0	2	32
17	0	0	0	15	0	0	0	41
0	52	292	15	2	15	0	18	27
0	20	16	18	2	16	20	15	0
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3	7	48	6	36	25	0	4	10
61	0	0	0	0	0	0	0	27
13	23	16	53	10	0	26	2	21
621	0	0	0	22	0	3	0	1455
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59	4	24	15	19	28	0	10	111

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0	0	0	8	0	0	11	0	0
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424	0	0	201	269	0	84	0	164
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0	0	0	7	10	19	0	0	0
11	0	20	8	9	9	6	4	23
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13	3	0	3	16	18	0	14	45
5	4	37	8	28	26	4	18	66
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228	17	41	47	402	120	4	95	323
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58	2	33	10	38	27	2	20	28
120	0	0	2	61	0	2	7	0
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6	23	147	12	21	2	5	39	22
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0	0	0	0	0	0	0	0	22
0	0	0	0	0	9	2	2	0
2	51	0	0	0	0	2	0	2
0	0	0	6	0	0	11	0	0
19	0	0	0	2	2	0	0	0
0	0	0	0	0	0	6	0	0
0	0	0	0	0	0	0	0	0
0	0	72	5	2	10	0	0	3
0	0	0	118	0	96	207	0	0
0	0	0	0	21	0	0	0	0
0	0	0	15	0	2	18	0	0
0	0	2	0	0	0	0	0	0
78	0	0	0	2	0	0	0	0
0	0	0	27	0	0	44	0	0
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31	11	0	2	56	8	5	0	22
5	0	97	20	2	2	19	20	12
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0	0	0	0	5	2	4	5	0

40	3	15	7	14	2	0	3	74
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6	6	0	0	0	0	0	0	7
129	0	0	0	0	0	0	0	1194
0	0	0	4	0	2	41	0	0
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0	0	36	2	0	7	0	0	0
12	0	0	0	22	0	0	0	26
0	0	0	0	0	13	0	0	0
60	39	1199	0	255	7	0	87	222
4	0	0	0	12	0	0	0	27
4	0	0	18	19	0	3	0	0
768	0	0	0	2	0	0	0	0
56	0	0	6	69	0	0	0	9
13	7	0	0	7	0	0	0	0
0	0	0	214	0	0	308	0	0
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0	0	0	0	0	0	0	0	0
9	313	4	889	52	335	510	550	50
25	0	0	80	0	0	68	0	0
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60	0	5	3	38	19	0	0	14
7	13	15	119	79	389	481	178	30
40	0	0	0	0	4	0	18	0
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56	9	69	28	55	21	6	45	28
0	8	26	4	0	4	15	2	7
14	4	0	285	43	40	170	37	46
31	3	0	0	0	166	0	0	303
98	28	40	91	78	91	40	19	303
255	0	0	0	134	2	0	0	248
0	0	0	85	0	0	23	0	0
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0	0	0	164	0	0	141	0	0
0	0	0	0	0	0	0	0	0
107	3	0	0	0	76	0	0	137
17	0	0	2	113	0	0	0	0
115	0	0	2	0	0	0	0	0
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8	26	0	5	2	2	0	13	58
50	134	0	191	162	221	75	154	253
0	19	0	4	0	0	0	0	0
9	66	5	14	112	23	3	41	0
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26	0	0	0	8	69	2	0	6
0	22	136	83	0	194	38	17	0

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15	34	0	5	6	28	33	26	23
5	206	9	110	12	96	67	5	53
618	0	0	0	11	0	0	0	0
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101	71	63	31	135	110	8	121	126
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60	0	0	0	0	0	0	0	0
5	98	0	0	164	0	0	54	25
0	0	0	6	103	0	0	0	11
24	0	0	2	0	0	0	0	100
19	0	233	0	4	29	0	5	0
0	14	0	0	6	0	0	0	0
50	180	723	337	373	221	137	115	482
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4	192	127	61	35	384	114	81	58
663	2	17	9	215	156	30	0	15
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16	8	0	9	43	7	0	0	31
154	0	0	0	51	0	0	0	0
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7	0	0	0	9	0	0	0	5
645	522	0	134	965	550	228	0	7
13	16	0	0	28	0	0	0	0
157	0	0	0	146	0	0	8	225
217	15	0	2	28	21	0	0	27
16	0	0	0	14	0	0	0	2
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0	0	0	0	0	0	0	0	547
0	0	0	0	0	0	0	0	0
8	0	0	0	39	6	0	0	3
15	0	0	119	7	10	433	0	11
0	0	0	194	0	0	348	0	0
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0	0	0	0	0	0	0	0	0
84	97	3	2	19	5	3	3	33
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5	21	0	0	18	94	0	0	68
316	0	0	4	121	0	31	0	0
57	54	8	8	433	9	6	148	56
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0	0	0	0	108	0	23	0	60
42	0	0	0	309	0	0	0	0
14	71	585	80	40	75	38	136	120
21	0	0	120	48	10	93	76	41
65	0	73	36	3	14	15	45	45
59	0	0	0	90	0	0	311	3
11	16	0	0	54	25	2	0	129
204	0	7	9	26	0	2	0	52
3	3	8	2	68	113	2	98	4
3	75	1041	269	0	268	162	238	0
6	0	85	62	23	377	52	13	40
0	0	0	0	0	0	0	0	98
40	0	146	0	122	0	0	14	0
0	0	0	0	0	3	9	0	0
0	0	0	269	0	0	0	0	0
18	11	25	17	29	4	48	0	19
0	0	41	0	0	0	9	62	0
318	0	0	0	0	0	24	0	262
2	0	4	9	18	5	2	12	0
2	0	0	0	51	0	0	0	0
300	0	0	0	0	439	13	151	0
72	0	0	6	0	0	0	2	3
240	27	50	41	90	87	5	79	248
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7	0	258	13	0	12	31	25	3
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7200	2524	5315	6724	6435	5874	4677	3128	6799

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85	244	24	0	223	109	30	18	157
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3	28	31	17	34	0	33	6	54
0	0	0	0	0	17	48	97	159
18	7	0	33	0	5	0	3	0
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5	0	4	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	20	0	0	0	0	0
0	25	26	30	20	2	6	8	70
3	2	0	0	0	9	41	4	8
4	0	0	0	0	11	0	0	8
0	220	28	18	0	0	0	65	0
11	0	0	0	2	0	132	0	12
3	0	0	0	0	0	125	0	11
0	15	14	2	0	0	3	13	16
0	5	18	21	17	0	39	8	125
23	0	22	0	26	11	26	11	16
12	0	0	0	64	17	3	0	9
0	7	0	0	0	0	0	0	0
21	4	4	0	0	86	29	0	13
0	164	14	34	0	0	0	55	0
0	0	0	23	6	0	0	4	6
0	3	0	0	0	0	0	0	0
7	0	0	0	3	2	20	10	0
14	4	56	4	17	25	0	0	36
2	38	4	0	55	14	2	5	11
0	0	0	36	0	0	0	0	0
11	0	19	5	56	0	0	23	9
0	0	0	7	0	0	0	0	0
32	0	6	0	0	20	26	5	3
21	0	0	0	0	19	15	0	46
124	10	0	0	0	0	0	0	6
10	0	123	0	50	0	4	2	0
0	8	13	0	0	0	0	2	0
15	123	11	0	0	14	0	2	0
0	8	47	19	0	0	4	25	0
0	22	22	25	6	0	26	12	14
0	12	43	9	10	2	10	0	0
6	10	14	5	30	15	129	16	30
10	0	0	0	7	51	0	0	9
28	164	5	31	0	23	8	27	21
20	29	0	13	56	76	55	0	63
8	0	3	0	0	12	6	0	3
0	0	5	0	0	4	2	16	2
26	33	7	0	38	27	10	12	23

0	66	0	3	0	0	0	2	0
0	53	4	25	0	4	2	0	71
0	7	0	10	0	0	15	220	0
3	23	13	7	11	13	92	11	100
0	22	0	0	0	0	0	0	3
5	0	0	0	10	2	9	0	55
0	26	0	4	7	0	0	0	0
0	509	0	17	0	0	0	0	0
0	242	0	86	15	12	500	0	620
0	4	2	0	12	0	0	21	2
4	0	0	0	8	55	0	7	11
10	0	13	4	19	2	0	13	0
3	5	11	2	43	25	32	8	4
0	0	0	0	0	0	0	0	0
28	0	0	0	0	32	5	3	4
29	2	4	0	27	15	14	10	21
17	34	12	5	12	7	96	10	38
0	0	0	0	0	4	0	0	0
0	2	0	0	39	16	0	0	17
346	42	846	15	186	132	1135	498	221
0	0	0	0	0	2	0	0	0
17	2	13	2	22	82	17	30	147
0	0	0	0	55	283	0	0	0
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2	0	0	0	0	18	0	0	158
4	25	14	8	19	12	249	0	87
0	0	0	0	0	272	0	0	0
0	14	7	18	10	2	27	43	81
0	0	0	2	0	12	0	0	2
0	13	0	0	0	0	0	0	0
0	0	42	2	128	0	3	9	32
0	28	0	3	0	0	0	0	0
0	5	0	11	0	0	36	0	0
45	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	25
0	0	3	15	0	0	7	7	0
0	656	0	164	0	0	0	0	0
0	0	0	7	0	0	0	0	0
0	0	0	4	0	0	0	2	0
0	0	5	0	0	2	0	0	0
0	0	0	0	0	138	0	0	0
0	0	0	2	0	0	0	0	0
6	0	0	0	0	0	0	0	0
0	0	0	0	83	13	22	9	10
0	43	14	27	10	0	16	11	62
0	52	0	7	0	0	0	0	0
0	203	111	79	7	0	9	273	0
0	3	0	3	0	0	0	0	0
0	26	0	24	0	0	0	2	0
0	23	13	3	4	0	0	16	0

19	2	16	0	19	16	8	7	9
46	2	0	0	0	276	0	0	2
5	0	2	0	11	0	55	0	0
129	0	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0
0	20	28	15	0	0	2	8	28
0	2	8	4	0	0	0	13	0
0	0	0	0	7	0	0	0	0
0	0	28	2	0	0	0	14	0
248	5	5	7	258	325	173	30	180
4	0	4	0	0	29	20	0	10
5	2	3	2	0	0	0	0	9
0	0	0	0	101	0	0	13	0
0	10	15	3	34	0	2	0	8
7	3	6	0	0	4	35	2	0
0	330	0	105	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	910	260	280	24	22	102	105	28
0	240	0	13	0	0	0	6	0
0	0	3	0	0	0	0	31	5
13	0	34	0	4	35	2	3	5
46	208	203	98	41	17	111	169	23
0	0	0	0	48	34	29	0	551
0	0	0	48	0	0	0	0	0
16	21	28	11	30	5	22	50	46
0	31	14	0	2	0	0	0	0
0	543	0	149	2	0	76	5	0
4	6	690	0	1308	20	0	0	10
67	282	70	28	375	207	111	53	62
296	0	0	0	502	31	0	0	11
0	209	0	0	0	0	2	0	3
0	0	32	0	0	0	0	3	0
0	31	0	123	0	0	0	0	0
12	0	0	0	0	0	0	116	0
27	0	293	0	561	10	0	0	38
76	0	0	0	0	743	0	0	18
4977	0	0	3	0	0	0	21	0
0	0	23	16	0	0	0	0	0
7	19	12	29	3	0	119	6	43
14	5	95	0	9	36	78	11	53
2	143	312	85	61	28	738	299	525
0	0	0	0	0	0	123	0	0
4	24	289	13	54	78	470	315	40
0	0	0	22	647	0	10	9	0
0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	4	28	0
2	0	0	0	3	13	43	0	7
5	0	0	0	41	0	0	123	4
0	147	3	12	3	0	24	8	0

0	10	0	6	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	23	0	0	0	0	0	0	2
13	0	18	5	78	0	123	288	2
0	346	233	84	28	0	5	35	3
7	0	0	0	19	48	93	0	0
0	0	0	2	0	0	0	3	0
44	79	124	19	60	46	442	195	274
0	0	0	0	0	96	0	0	0
0	0	0	0	0	0	0	0	0
22	0	0	0	6	266	431	0	87
9	11	0	5	9	22	0	31	0
12	4	0	0	0	0	0	0	3
0	0	0	0	0	0	0	7	4
0	0	2	0	0	12	0	0	0
117	135	223	155	191	108	513	177	1156
3	0	0	2	0	0	0	0	0
7	0	46	0	198	0	0	4	5
0	0	0	38	0	0	0	0	0
0	13	99	5	15	6	13	11	4
0	198	218	55	54	0	20	460	8
48	7	36	18	315	54	80	49	31
0	3	124	19	0	16	0	74	84
45	36	0	0	0	45	10	17	18
0	0	0	0	0	0	0	0	0
0	21	186	2	50	0	0	77	0
4	0	0	0	46	2	0	0	10
19	87	0	0	1242	11	444	247	9
8	0	3	0	0	0	5	0	2
237	0	40	0	64	53	81	4	62
349	0	16	0	124	115	448	7	5
4	3	0	0	4	17	0	10	12
0	0	4	0	0	0	0	12	0
0	496	0	5	0	0	0	0	0
0	0	0	0	0	10	2	0	6
0	0	1361	3	320	0	0	0	0
137	0	0	0	481	0	0	0	11
2	2	5	0	7	6	0	27	2
0	167	5	2	208	0	0	0	3
0	0	0	52	0	0	0	0	0
2	0	0	19	0	0	0	155	0
0	2	54	11	0	0	0	89	0
0	388	0	0	0	0	0	0	247
34	94	13	0	78	210	73	0	23
0	0	0	0	0	22	0	0	0
0	19	116	4	11	0	0	11	0
0	2	19	2	176	4	51	162	417
10	0	0	0	80	2	0	16	0
84	3	55	9	14	170	10	53	544
0	57	5	89	0	0	0	3	0

0	100	3	77	0	0	0	18	2
0	0	0	0	251	1376	0	3	0
0	0	0	0	0	47	0	17	6
220	0	0	0	0	0	0	0	0
92	0	6	0	0	12	0	0	29
11	139	68	59	87	6	86	47	39
0	215	10	80	3	13	13	13	117
24	94	29	0	452	67	5	2	7
2	0	0	2	37	2	10	0	624
11	4	4	5	248	131	51	21	14
30	3	50	0	35	353	61	6	90
5	8	39	7	82	30	50	137	6
0	658	0	204	0	0	0	9	0
0	46	144	52	0	34	19	349	9
37	0	0	0	0	94	0	0	0
14	0	2	0	6	7	0	366	9
0	137	0	67	0	0	0	10	0
0	0	0	0	0	0	0	0	0
9	294	14	34	4	24	11	17	19
0	0	0	4	18	0	0	0	0
108	41	0	0	0	111	0	0	2
0	18	2	5	11	2	29	0	383
0	0	0	0	0	2214	0	0	0
0	0	0	0	0	0	0	0	64
0	0	0	2	6	0	0	2	0
101	55	115	54	175	188	95	24	60
0	0	2	0	10	2	0	32	3
0	217	0	2	0	0	0	4	0
5	0	0	0	0	0	0	0	0
0	25	11	3	4	0	2	17	2
0	2	0	35	5	11	117	2	123
0	0	0	0	0	0	0	10	0
12	11	22	0	19	24	15	3	18
0	0	0	0	0	0	0	0	0
7859	7464	5984	2375	9449	7726	5704	4777	6367

187_wt_4	199_are_4	188_wt_12	222_wt_8	203_are_8	201_are_4	185_are_1	199_are_8	200_are_4
0	0	2	0	2355	0	741	426	0
42	456	6	149	57	813	240	66	212
260	6	0	3	0	0	0	0	13
0	2	27	144	0	0	0	0	30
0	0	6	2	0	0	0	0	0
0	0	0	0	68	0	135	100	0
0	2	30	4	123	11	4	61	18
0	0	0	0	8	0	31	36	34
0	0	0	0	63	0	226	54	0
23	0	0	0	10	0	28	7	0
0	0	3	0	0	0	0	0	0
0	7	2	6	4	152	2	14	0
0	0	0	0	0	0	0	3	0
0	15	37	367	0	0	12	13	9
3	7	0	21	0	40	0	0	17
3	86	5	0	89	235	71	27	30
0	0	0	0	0	0	0	0	2
0	0	197	0	6	0	0	0	0
0	12	92	16	0	16	0	0	64
0	0	12	0	0	9	0	0	0
0	0	0	0	3	89	0	0	5
23	119	29	16	24	78	16	33	45
19	219	4	0	8	18	14	64	26
0	0	2	383	19	26	10	12	0
0	0	0	0	0	0	0	0	0
0	18	0	0	9	8	5	18	3
35	7	34	55	35	19	21	22	36
0	260	21	8	35	159	96	85	183
0	356	70	47	35	376	194	109	6
4	2	13	38	2	6	0	7	3
0	0	0	15	5	0	0	0	0
0	8	16	26	0	0	2	0	23
0	10	14	9	5	0	5	34	14
0	39	87	154	0	0	0	8	113
650	54	935	969	153	170	183	198	117
33	15	4	4	12	153	20	12	9
0	4	5	20	28	23	46	18	4
0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	67	8	0
0	0	0	0	15	0	16	23	0
0	0	0	0	0	0	0	0	0
0	0	0	0	10	93	8	13	0
0	0	19	0	0	24	0	0	0
10	18	6	3	20	114	51	61	62
0	86	1538	0	6	602	0	0	176
22	68	13	11	24	39	60	26	99
4	382	12	0	20	129	0	159	132
17	4	50	26	14	6	8	15	17
0	0	0	4	0	0	0	0	0

0	0	0	0	110	10	70	27	0
0	0	0	0	2	0	12	114	0
39	28	21	216	42	87	126	63	11
6	7	65	98	12	4	4	20	26
0	0	3	25	0	4	2	53	0
2153	273	13	11	92	449	245	311	232
116	99	28	4	26	67	44	41	65
0	23	66	26	0	44	0	0	26
2	0	4	3	65	0	2	0	0
0	0	39	11	6	176	0	0	179
180	12	29	0	11	55	0	7	3
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	14	0	0
98	136	16	8	48	52	24	65	65
0	0	3	10	2	0	0	2	0
0	3	4	16	0	0	0	0	4
2	0	0	0	68	0	24	66	2
9	12	9	3	0	9	0	0	25
61	23	3	27	0	14	0	0	20
109	64	9	0	4	10	29	4	19
0	31	4	0	40	5	39	118	38
0	46	45	3	0	11	0	2	40
0	0	10	10	4	0	0	6	0
0	0	0	0	0	0	2	124	0
0	3	32	0	0	8	0	11	0
0	87	0	0	13	33	4	5	31
0	0	0	0	11	0	6	0	0
33	4	0	0	2	20	5	5	4
8	8	10	28	4	24	0	16	12
0	0	50	39	21	109	9	8	6
0	3	16	2	8	4	8	17	0
0	0	0	0	113	51	63	46	0
27	0	5	0	2	14	6	19	0
0	0	0	0	2	3	11	0	0
0	0	5	19	0	0	0	2	4
0	11	21	22	0	0	0	2	28
0	0	0	0	0	0	0	0	0
0	0	0	11	0	0	0	0	0
0	0	0	0	0	60	22	18	13
0	0	2	18	0	0	0	17	0
456	81	0	0	16	24	37	32	40
148	47	0	0	36	173	14	50	8
25	120	4	4	18	63	18	30	80
21	99	20	18	4	37	7	4	34
0	0	0	19	4	0	14	0	0
12	0	147	46	93	3	4	8	0
0	0	4	129	7	7	3	15	0
0	0	24	11	4	25	0	0	19
0	0	3	12	0	0	0	2	10
11	3	12	12	27	10	26	7	13

0	0	0	0	5	0	29	9	0
0	52	3	2	40	53	62	52	35
0	9	9	0	123	20	52	0	33
0	134	40	22	5	135	6	40	10
0	0	0	0	0	0	17	11	0
0	2	15	5	0	0	0	0	0
0	0	0	0	48	0	35	0	0
0	0	0	0	3	0	11	20	0
0	0	47	28	115	0	243	384	0
0	14	2	0	3	23	0	0	6
0	0	0	4	0	2	0	0	13
0	48	22	0	6	59	5	13	82
12	4	21	24	10	19	6	20	0
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0	4	26	21	0	5	0	0	15
18	9	6	11	9	38	6	13	39
38	7	15	25	8	83	10	14	8
0	0	0	3	2	0	0	0	0
0	0	14	35	0	0	0	0	0
7	247	42	356	11	552	24	185	576
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35	43	94	5	6	68	4	13	10
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0	14	17	14	0	0	0	3	6
81	55	19	15	0	0	57	0	51
0	0	0	95	0	0	0	0	0
26	65	12	17	14	51	4	53	45
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0	0	0	0	2	0	0	0	0
0	0	0	0	7	0	5	2	0
0	0	0	0	9	0	37	26	0
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0	0	0	0	0	0	0	0	0
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41	15	0	0	2	37	7	29	26
0	0	0	0	1150	6	534	301	0
0	0	0	0	14	0	0	6	0
0	0	0	0	9	0	18	11	0
0	0	0	0	0	0	0	5	0
0	0	2	113	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	18	7	9	0	0	32	8
4	44	0	0	13	21	29	48	35
0	0	0	0	16	0	0	17	0
179	172	0	0	102	317	301	115	74
0	3	0	0	0	2	2	4	0
0	0	0	0	62	2	0	0	0
18	18	0	0	3	36	0	6	31

0	3	8	10	5	7	4	49	6
0	0	0	10	0	0	0	0	0
0	0	4	0	4	0	0	0	0
0	0	0	0	0	0	0	19	0
0	0	0	0	0	0	26	3	0
0	0	0	5	8	0	11	37	21
6	0	0	0	0	2	0	0	0
38	0	0	0	0	0	0	0	11
0	0	0	0	2	16	8	2	3
437	28	110	266	0	56	8	16	113
0	17	23	114	0	27	0	0	79
0	0	2	12	7	0	10	4	3
0	0	0	0	0	0	0	2	0
0	0	14	4	12	0	0	5	0
0	8	0	30	0	5	0	0	0
0	0	0	0	270	0	64	72	0
0	0	0	0	0	0	190	0	0
0	6	2	0	0	0	0	0	0
480	574	22	14	1119	597	1815	2356	321
0	0	0	0	110	0	131	32	0
0	0	7	6	27	0	0	0	0
5	2	3	4	2	0	3	0	11
91	135	198	121	254	201	107	67	73
0	0	2	2	0	0	0	0	0
0	0	0	0	75	11	2	12	0
56	22	26	36	7	115	21	14	11
54	29	0	0	13	33	28	16	16
0	0	0	0	436	2	215	766	0
0	17	170	0	0	0	13	0	0
36	8	71	52	196	32	163	136	21
0	0	13	27	0	0	33	0	0
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0	0	83	0	0	0	0	0	174
0	0	0	0	334	0	60	3	0
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0	2	101	8	0	0	6	3	3
0	0	31	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	2	6	0
0	9	279	51	224	77	29	0	18
0	53	99	77	3	170	2	9	92
0	692	245	57	76	961	424	324	622
0	0	0	0	0	0	32	0	2
135	693	21	168	12	354	3	58	248
0	2	0	0	49	4	2	21	0
0	0	0	0	0	9	0	2	0
0	2	0	0	4	145	80	9	3
0	0	3	6	2	0	0	4	0
0	0	16	0	2	0	0	2	4
299	4	0	0	91	159	155	146	0

0	6	0	0	6	0	2	6	18
0	0	0	0	0	0	0	0	0
0	0	0	2	4	0	8	10	0
3	7	9	0	4	21	21	7	10
47	352	15	2	26	657	220	239	72
0	0	0	19	0	0	0	18	0
0	0	0	0	0	10	5	9	0
86	245	53	102	21	708	60	60	437
0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
15	15	3	225	2	21	0	0	17
0	0	63	8	65	11	0	0	3
0	0	12	0	88	408	0	5	55
0	39	0	0	0	76	0	0	74
12	0	0	19	0	0	0	0	0
0	417	872	205	57	1024	130	354	271
0	0	0	0	65	0	0	37	0
0	0	0	0	2	0	0	0	0
114	0	0	0	33	0	0	153	0
6	11	34	22	7	15	17	11	16
87	354	12	11	75	79	169	217	131
34	50	181	59	85	116	0	37	40
4	408	51	15	0	286	89	33	111
8	4	35	42	4	10	10	8	15
0	0	0	0	0	0	0	0	0
0	0	0	0	15	0	24	0	0
0	0	17	17	2	12	0	3	0
0	0	610	563	156	0	0	14	17
0	9	132	55	0	0	0	0	7
0	33	77	76	0	222	0	0	74
0	28	58	182	0	0	0	2	22
4	10	6	12	0	0	0	0	13
0	0	0	0	18	0	8	9	0
0	0	0	0	48	0	216	46	0
0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	2	0
0	0	7	0	2	0	0	0	0
0	0	0	2	4	3	0	2	5
0	0	2	0	163	0	243	6	0
0	0	0	0	205	0	49	31	0
0	0	0	0	377	2422	10	9	0
0	6	0	10	10	516	0	0	0
0	0	0	0	0	0	0	0	0
0	6	17	32	8	0	0	40	24
0	0	0	0	0	0	2	42	0
0	20	0	0	2	35	35	0	75
0	0	23	28	13	0	0	4	9
0	0	81	88	17	0	0	0	0
659	454	223	527	11	39	27	0	166
0	0	0	0	34	19	313	150	20

0	77	0	0	125	102	254	302	63
0	0	0	4	0	0	9	780	0
0	7	62	4	4	59	2	3	82
0	0	0	0	0	0	0	0	0
0	34	22	31	0	107	3	0	18
460	117	17	24	26	220	339	164	29
33	74	28	3	193	90	252	247	52
97	4	20	49	5	5	9	58	2
0	0	191	0	0	0	0	5	0
7	12	133	13	0	5	0	0	21
0	0	5	60	17	0	5	10	8
9	53	72	204	14	95	2	8	28
2272	0	0	0	465	0	553	1101	0
116	254	47	33	32	200	134	144	97
0	0	0	33	2	0	2	4	0
0	19	0	31	0	14	0	15	27
0	0	0	0	0	0	7	0	0
0	0	0	0	0	0	0	0	0
11	0	88	44	121	3	7	8	2
253	0	0	0	31	0	207	8	0
0	0	0	42	23	0	6	18	0
17	44	58	18	0	9	0	0	48
0	0	38	28	0	0	0	6	0
0	153	134	0	5	396	27	5	648
0	0	0	0	0	0	7	0	0
293	15	66	34	50	60	10	8	47
65	121	0	58	0	373	0	0	311
0	0	0	0	2	0	0	3	0
0	0	0	0	0	0	0	0	0
126	25	11	0	15	66	18	49	7
7	0	82	22	68	29	2	7	0
0	0	0	0	0	0	0	0	0
5	0	29	8	0	7	3	0	11
0	0	0	0	0	0	0	0	0
6492	5786	5241	4128	6287	11526	7248	8672	5052

246_are_1	353_wt_12	206_are_8	201_are_1	222_wt_4	185_are_8	190_are_4	204_wt_8	208_are_4
3376	0	2281	928	0	10538	2	4	0
9	0	87	76	10	163	79	3	402
0	4	0	0	38	0	0	0	0
0	3	0	0	5	0	22	0	0
2	75	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0
46	41	0	11	127	87	32	4	12
2	0	70	0	0	172	0	0	108
50	0	20	52	0	278	0	0	0
38	0	15	70	0	54	0	0	0
0	83	0	0	0	0	0	0	0
36	0	8	2	0	0	0	0	11
0	0	0	0	0	0	0	0	9
0	29	4	3	56	0	0	0	2
0	3	0	0	4	0	11	0	11
54	2	37	60	0	121	8	0	11
0	0	0	6	0	0	308	0	431
2	280	0	0	4	0	0	0	0
0	253	0	0	7	0	39	0	31
0	0	0	0	0	0	115	0	0
3	0	13	3	0	4	6	0	4
58	7	32	34	0	44	36	38	36
9	0	13	8	0	14	0	0	15
0	0	0	11	1366	22	0	6	0
0	0	0	3	0	0	0	0	0
11	0	10	11	0	13	0	0	0
8	69	8	131	34	9	112	0	42
38	33	65	58	14	140	9	4	55
190	2	23	127	0	157	23	43	205
6	51	17	10	228	3	7	0	4
0	84	0	0	0	0	0	0	0
0	7	0	0	66	0	32	0	11
2	62	0	32	6	3	9	0	0
7	56	0	0	19	0	44	0	0
44	139	90	736	473	20	99	364	93
5	2	4	0	0	41	12	0	41
15	18	27	24	54	77	2	0	9
3	17	0	0	35	0	6	0	0
0	0	0	0	0	0	0	0	0
73	0	13	0	0	144	0	4	0
107	0	0	80	0	0	0	0	0
0	0	4	0	0	3	0	0	11
0	8	2	0	2	0	0	268	22
8	4	154	58	9	23	0	30	0
10	78	0	4	0	3	792	0	92
17	44	34	14	6	19	40	0	97
17	0	12	19	0	0	46	0	182
0	36	0	6	152	0	85	0	25
0	2	0	0	186	0	0	0	0

180	0	72	62	0	227	0	0	3
6	0	40	18	0	16	0	0	2
90	35	77	94	11	211	5	116	94
12	56	38	24	159	19	276	0	45
0	5	9	14	0	0	2	0	0
77	22	131	124	64	363	174	50	135
11	9	74	17	5	73	5	193	6
0	46	0	0	53	2	0	78	19
11	202	35	14	0	221	3	5	0
0	14	0	4	0	4	215	0	233
0	10	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	57	0	0	0	0	45
30	8	30	30	6	57	13	35	0
0	14	0	0	8	3	2	0	8
0	6	0	2	0	0	0	0	0
107	0	17	32	0	736	0	0	0
0	7	0	0	164	0	78	0	2
0	0	0	0	83	3	0	0	0
7	10	3	0	16	23	0	71	2
0	0	99	14	6	194	0	94	2
0	109	0	0	213	5	16	2	0
4	8	10	18	4	4	4	0	3
15	0	31	3	0	5	0	0	0
25	25	0	0	2	4	5	0	0
130	0	59	41	0	90	2	0	2
0	0	0	3	0	0	97	0	218
0	0	4	16	0	9	0	0	0
0	18	0	0	2	2	0	2	9
30	24	4	38	25	20	40	0	96
12	3	7	24	13	7	8	0	2
0	0	97	85	0	134	0	0	0
0	12	4	17	25	9	0	0	35
0	0	4	27	0	6	0	0	0
2	19	0	0	65	0	104	0	0
0	10	0	0	25	0	15	0	2
61	34	0	0	0	0	0	0	0
0	10	0	0	0	4	0	0	0
4	0	16	8	0	5	0	0	0
5	4	0	0	3	0	17	0	5
4	2	30	30	0	96	9	36	113
3	0	55	19	0	92	0	23	2
6	0	29	7	0	21	16	0	54
11	12	8	10	8	50	8	0	9
0	18	3	4	0	0	0	15	0
152	137	34	46	2	163	3	36	2
0	85	0	0	214	14	2	3	0
0	3	0	0	5	0	40	0	9
0	0	0	0	3	0	2	0	0
2	11	0	18	16	25	24	0	50

108	0	48	3	0	130	0	0	0
21	2	92	57	0	67	5	7	6
2	5	2	27	107	55	7	0	2
15	23	5	8	21	98	0	237	55
0	0	0	0	0	9	0	0	0
0	6	0	0	2	0	0	9	0
0	0	7	96	0	9	0	0	0
1677	0	0	41	0	6484	0	0	0
43	2	383	331	88	1363	0	2213	0
41	0	0	0	0	0	0	0	2
0	91	0	0	0	0	3	0	0
0	0	0	3	0	0	89	0	15
3	5	4	8	25	0	15	6	12
0	0	0	0	0	0	0	0	0
0	55	0	0	24	0	0	0	0
5	75	14	5	43	9	4	0	21
7	35	22	20	4	14	7	0	22
0	0	0	0	0	0	0	0	0
0	0	0	12	0	0	10	0	0
11	492	42	45	359	11	179	0	32
0	0	0	4	10	0	0	0	0
2	29	4	14	60	15	45	0	97
61	11	42	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	22	0	0	27	0	8	15	0
0	3	34	21	4	9	18	10	65
0	0	0	0	4	0	0	0	0
8	0	30	17	6	64	2	23	14
0	0	10	0	0	0	0	6	0
13	0	0	0	0	32	0	0	0
0	132	0	0	0	2	0	3	0
33	0	0	0	0	55	0	0	0
11	0	0	0	3	67	8	0	60
0	85	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0
0	0	26	10	0	39	0	0	8
95	0	35	309	0	68	2	0	0
0	78	0	0	0	0	0	0	0
0	0	28	21	0	17	0	0	0
0	0	0	0	0	0	2	0	2
0	23	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0
2	7	2	0	9	5	6	0	7
4	0	39	18	0	167	0	54	0
20	0	12	0	0	49	0	0	0
119	7	106	116	0	208	21	0	90
0	0	0	2	0	3	0	0	0
17	0	0	0	0	49	0	0	0
2	0	2	2	0	5	2	0	13

3	12	22	13	9	14	7	0	6
0	3	0	0	0	0	0	35	0
0	7	0	6	9	0	9	0	9
0	146	0	2	0	0	0	0	0
0	0	5	61	0	8	0	0	0
16	0	52	39	0	38	4	28	0
0	0	0	0	0	6	2	31	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0
0	76	14	0	40	4	85	0	6
5	32	0	2	0	0	96	0	15
10	12	2	0	0	15	0	0	0
19	0	0	3	0	0	0	0	0
3	2	0	8	19	4	5	11	3
0	2	0	10	58	3	0	0	0
383	0	0	0	0	1058	0	0	0
0	0	0	4	0	0	12	0	10
0	0	0	0	0	0	0	58	0
311	27	1005	1503	13	5187	26	90	591
0	0	65	145	0	92	2	0	0
0	0	0	0	58	0	0	0	0
2	40	0	3	11	0	17	0	8
746	548	339	167	19	603	85	330	135
9	0	0	0	111	0	0	13	0
32	0	96	23	0	13	0	0	0
12	30	8	10	13	29	52	0	74
24	0	8	4	0	5	0	0	4
259	0	266	359	0	1666	0	0	4
2	8	2	0	308	0	317	0	0
31	67	63	190	76	223	56	11	72
0	24	0	0	11	223	0	15	0
105	0	0	40	2	263	0	0	6
0	4	6	0	0	3	6	0	0
42	0	10	101	0	193	0	0	0
4	2	0	15	0	4	0	0	0
0	13	0	0	110	0	146	0	0
24	116	0	17	0	0	0	7	0
0	1199	0	0	0	0	0	0	0
0	0	0	0	0	90	0	0	0
2	17	2	108	105	76	129	0	0
3	99	0	0	14	7	5	640	2
87	0	363	176	2	833	93	21	399
0	0	0	0	0	0	4	0	83
14	79	18	15	106	44	46	4	234
0	0	38	0	0	3	936	0	2
3	0	0	0	0	125	0	0	0
0	0	0	2	0	6	0	0	11
8	12	0	2	192	0	0	0	0
0	26	3	15	2	0	14	0	0
110	0	50	93	0	418	0	0	79

2	0	0	7	0	0	91	0	11
0	0	0	0	0	0	0	0	0
25	0	0	4	0	29	2	0	0
0	29	0	1249	118	2	151	0	3
71	11	244	125	2	92	4	307	138
0	51	0	0	10	5	0	0	0
0	0	0	2	0	0	0	0	0
16	70	54	56	128	105	95	3	210
0	4	0	0	0	0	0	0	0
0	8	0	0	0	0	0	0	0
0	12	0	0	718	0	49	0	0
0	99	0	3	0	15	10	0	0
3	27	0	0	0	0	3	0	214
0	0	0	2	0	0	0	0	0
0	4	0	0	29	0	0	0	0
51	190	474	406	95	871	68	19	59
8	4	0	2	0	0	0	0	0
0	15	0	0	0	6	25	0	11
0	0	0	0	0	0	0	0	0
0	31	9	2	6	12	0	82	21
60	2	159	85	10	267	52	4	213
26	112	23	16	57	15	179	2	44
0	30	36	18	9	44	11	76	54
9	40	2	18	28	3	21	3	4
0	0	0	0	0	0	0	0	0
48	0	8	10	0	38	5	9	0
0	14	0	0	0	0	29	2	3
2	766	3	519	113	0	39	0	0
0	8	0	0	70	0	0	0	0
0	67	0	2	85	0	690	0	65
0	276	0	7	119	0	95	0	5
3	7	0	0	0	0	0	0	0
72	2	9	3	0	21	0	0	0
43	0	0	21	0	109	0	0	0
0	2	0	0	10	0	0	0	0
0	0	0	0	22	0	0	0	0
0	14	0	0	0	0	148	0	0
0	4	0	0	2	0	123	0	2
352	0	85	30	0	136	0	0	0
0	0	16	56	0	605	0	0	0
7	0	154	2	0	1166	0	0	0
4	0	6	5	0	3	0	0	37
0	0	0	0	0	0	0	0	0
4	71	10	9	26	10	2	0	0
0	0	0	0	0	0	0	0	0
0	0	36	68	0	21	0	0	8
21	0	14	0	0	2	0	967	0
0	130	0	17	0	0	0	0	0
21	315	12	27	341	9	36	499	495
10	0	99	75	0	443	15	0	41

27	0	344	205	0	549	3	0	78
185	35	161	0	3	5	0	0	0
14	16	3	4	34	0	204	0	2
0	363	0	0	0	0	0	0	0
0	304	0	0	68	0	0	2	0
71	24	156	94	22	397	6	50	95
120	8	157	180	2	434	2	97	21
5	7	5	75	19	89	0	2	10
0	20	4	0	21	46	0	1023	0
2	26	3	9	142	0	31	2	13
0	13	0	8	30	3	5	0	19
17	14	8	2	11	19	18	13	61
1540	0	477	332	0	855	2	0	0
45	54	87	107	40	133	7	3	80
0	9	0	0	4	0	0	0	0
0	0	4	0	0	0	9	0	4
13	0	0	2	0	0	0	0	289
0	0	0	0	0	0	0	0	0
381	69	17	55	0	223	13	17	0
0	0	9	0	0	0	42	0	152
20	123	54	50	0	49	0	10	0
5	0	6	6	12	36	0	194	22
0	0	10	0	0	0	0	0	0
0	0	0	2	9	0	2253	0	379
0	0	63	5	0	0	0	0	0
14	72	9	27	327	133	197	0	104
0	4	0	0	45	0	353	0	143
331	0	21	0	0	12	0	0	0
0	18	0	0	0	0	0	0	0
8	0	33	30	0	359	3	5	15
11	13	5	35	56	202	145	0	249
0	0	0	0	0	0	0	0	0
3	10	0	3	32	3	23	0	6
0	0	0	0	0	0	0	0	0
5936	6198	5504	7194	4145	18823	7397	4650	5118

324_wt_8_207_are_4	222_wt_12	197_wt_12	188_wt_4_203_are_1	192_are_1	353_wt_8_186_are_4			
0	17	0	0	8	944	830	2	458
9	41	26	8	128	79	60	0	572
0	0	20	0	6	0	0	2	0
3	16	39	22	0	0	0	2	0
24	6	5	283	0	0	2	2	0
0	0	0	0	0	225	310	0	0
25	19	67	63	79	6	2	22	4
0	0	0	0	0	304	15	0	2
0	0	0	0	0	198	504	0	45
0	0	0	0	0	23	35	0	13
0	0	90	0	0	0	0	8	0
17	59	29	3	0	7	0	46	0
0	0	0	0	0	0	0	0	0
82	19	86	12	25	0	7	31	0
5	0	4	0	0	0	0	11	0
6	15	0	0	0	82	103	0	40
116	0	0	28	0	0	2	0	207
0	0	0	0	0	0	6	0	2
7	8	76	40	0	0	0	33	0
0	0	0	0	0	0	0	0	0
0	37	0	0	0	6	40	0	17
5	8	4	2	48	29	24	2	10
8	69	4	2	0	59	42	0	23
0	140	0	0	0	69	38	541	14
0	0	0	0	0	0	0	0	0
8	0	0	0	0	30	27	0	36
111	84	26	131	53	8	8	76	4
49	18	160	31	18	16	11	37	65
32	85	66	17	93	72	43	7	4
75	145	92	87	69	0	3	16	29
0	82	0	0	0	0	0	2	0
15	43	34	105	51	0	0	12	0
39	35	11	12	0	7	2	12	0
27	2	93	113	40	0	0	16	0
465	427	279	549	78	182	114	535	175
25	2	3	0	0	49	19	2	32
26	10	5	4	0	20	76	27	0
5	6	9	0	0	0	5	16	2
0	0	0	0	0	167	27	0	0
0	0	0	0	0	3	30	0	119
0	0	0	0	0	0	0	0	0
9	7	0	2	0	22	25	0	0
0	8	0	4	0	0	0	0	2
19	5	91	22	60	23	7	11	11
3	162	7	317	0	34	0	16	22
54	40	16	26	24	25	21	12	19
24	2	0	0	0	4	11	0	21
15	56	47	2	0	2	13	42	0
15	0	15	0	0	0	0	89	0

0	0	0	0	0	55	55	0	67
17	17	0	0	0	14	3	0	0
25	20	67	6	3	104	129	4	69
108	33	70	239	7	6	2	73	28
71	0	8	9	0	6	9	19	0
75	43	405	98	22	355	96	38	122
28	9	147	44	35	31	13	14	6
8	13	79	74	9	0	0	57	0
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2	0	0	0	0	0	0	0	0
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42	16	39	11	7	12	2	32	79
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27	210	89	128	136	0	0	16	0
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15	2	0	0	0	4	0	4	6
37	144	0	0	0	9	4	0	2
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11	0	10	15	29	4	15	0	27
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3	12	40	22	29	6	7	17	9
63	0	2	31	0	0	9	36	0
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183	136	173	437	81	8	15	172	11
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115	4	49	242	69	0	2	33	9
14	8	138	8	2	2	0	19	0
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214	115	64	175	17	258	84	68	67
64	0	27	795	0	3	0	37	0
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189	271	1526	159	597	49	151	237	328
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23	136	11	4	17	158	86	15	114
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44	81	111	23	149	0	0	43	0
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365	641	3	0	0	28	0	228	0
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133	0	279	56	78	127	84	66	25
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58	3	723	19	0	0	0	70	0
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125	115	30	36	4	2	0	27	2
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42	6	0	0	0	289	144	0	2
96	21	56	16	22	117	35	31	101
52	0	6	71	0	0	0	25	0
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879	91	3	93	54	693	421	75	18
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80	61	9	53	17	237	160	59	51
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717	436	6	160	171	260	340	322	275
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458	0	0	0	17	71	334	0	0

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149	129	52	89	112	49	172	227	52
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0	0	0	0	0	0	0	0	0
0	58	0	0	0	13	0	2	0
4	652	9	27	0	268	50	0	42
0	41	0	0	0	0	0	0	0
14	199	48	281	92	28	174	440	23
173	0	0	0	0	90	20	0	0

160	0	0	0	0	76	0	0	0
0	0	0	657	0	0	0	0	0
2	23	22	37	6	0	0	14	3
0	10	0	29	60	0	0	0	0
0	49	109	17	9	0	44	53	0
33	84	0	59	361	126	96	28	26
95	115	0	67	121	42	40	23	12
19	4	34	5	215	7	0	6	57
0	78	14	9	0	3	0	0	7
29	15	86	8	2	11	13	40	11
0	14	78	31	38	5	2	0	0
24	24	14	8	6	71	7	6	22
613	0	0	0	4	498	61	0	0
18	74	7	18	107	34	0	113	20
0	3	0	18	0	0	0	0	0
35	33	0	4	76	0	4	0	0
0	0	0	0	0	20	0	0	0
0	0	0	0	0	0	0	0	0
79	223	8	29	3	32	61	4	2
32	0	0	0	0	6	0	0	0
0	5	0	46	11	0	0	0	0
6	20	12	7	2	6	24	130	24
0	0	0	0	0	0	0	0	0
463	0	3	6	0	67	0	0	0
0	3	0	0	0	0	0	0	0
93	72	351	37	211	34	39	98	118
46	37	4	0	0	0	93	7	0
0	0	0	0	0	0	33	0	0
0	15	0	0	0	0	0	0	0
191	14	0	38	13	24	7	76	21
17	19	252	4	4	3	14	3	6
0	0	0	0	4	0	0	0	0
5	10	36	12	0	4	12	4	25
0	0	0	0	0	0	0	0	0
6706	5690	4588	4241	3966	4792	5027	6510	4117

taxonomy

Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Chlamydiae;Chlamydiae;Chlamydiales;Chlamydiaceae;Chlamydia;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Coproccoccus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Clostridiaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Proteobacteria;Alphaproteobacteria;Rhodospirillales;Rhodospirillaceae;Thalassospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Cyanobacteria;Melainabacteria;Gastranaerophilales;;;
Bacteria;Proteobacteria;Alphaproteobacteria;Rhodospirillales;Rhodospirillaceae;Thalassospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillibacter;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;acidifaciens
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Butyricoccus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Proteobacteria;Epsilonproteobacteria;Campylobacteriales;Helicobacteraceae;Helicobacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Erysipelotrichia;Erysipelotrichales;Erysipelotrichaceae;Clostridium XVIII;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Erysipelotrichia;Erysipelotrichales;Erysipelotrichaceae;Clostridium XVIII;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillibacter;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Odoribacter;

Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Coprococcus;
Bacteria;Cyanobacteria;Melainabacteria;Gastraerophilales;;;
Bacteria;Proteobacteria;Betaproteobacteria;Burkholderiales;Alcaligenaceae;Sutterella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Cyanobacteria;Melainabacteria;Gastraerophilales;;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Proteobacteria;Alphaproteobacteria;Rhodospirillales;Rhodospirillaceae;Thalassospira;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;TM7;TM7;TM7;TM7;Saccharimonas;
Bacteria;Firmicutes;Clostridia;Clostridiales;Defluviitaleaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;bromii
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Anaerostipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Cyanobacteria;Melainabacteria;Gastraerophilales;;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillibacter;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Anaerotruncus;
Bacteria;Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Peptococcaceae;;

Bacteria;Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;Eubacterium;dolichum
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Ruminococcus;gnavus
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Marvinbryantia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Proteobacteria;Epsilonproteobacteria;Campylobacterales;Helicobacteraceae;Helicobacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillibacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Rikenella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Proteobacteria;Deltaproteobacteria;Desulfovibrionales;Desulfovibrionaceae;Desulfovibrio;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Anaerostipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Ruminococcus;gnavus
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Anaerostipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Tenericutes;Mollicutes;RF9;;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Cyanobacteria;Melainabacteria;Gastranaerophilales;;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;
Bacteria;Proteobacteria;Alphaproteobacteria;Rhodospirillales;Rhodospirillaceae;Thalassospira;

Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Anaerotruncus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Butyricoccus;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;Eubacterium;dolichum
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Odoribacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Butyricoccus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Butyrivibrio;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillibacter;
Bacteria;Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Peptostreptococcaceae;Clostridium XI;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Parabacteroides;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Proteobacteria;Deltaproteobacteria;Desulfovibrionales;Desulfovibrionaceae;Desulfovibrio;
Bacteria;Proteobacteria;Epsilonproteobacteria;Campylobacterales;Helicobacteraceae;Helicobacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Actinobacteria;Actinobacteria;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium;animalis
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Cyanobacteria;Melainabacteria;Gastranaerophilales;;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Parabacteroides;

Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Flavonifractor;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Odoribacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Tenericutes; Mollicutes; Achleplasmatales; Achleplasmataceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Ruminococcus;gnavus
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;RC9 gut group;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;producta
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Erysipelotrichia;Erysipelotrichales;Erysipelotrichaceae;Coprobacillus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Anaerostipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;

Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;unclassified_Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Marvinbryantia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Parabacteroides;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Deferribacteres;Deferribacteres;Deferribacterales;Deferribacteraceae;Mucispirillum;schaedler
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscilibacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Candidatus Arthromitus;
Bacteria;Verrucomicrobia;Verrucomicrobiae;Verrucomicrobiales;Verrucomicrobiaceae;Akkermansia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Parabacteroides;
Bacteria;Proteobacteria;Alphaproteobacteria;Rickettsiales;mitochondria;;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Peptostreptococcaceae;Clostridium XI;
Bacteria;Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Defluviitaleaceae;;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Coproccoccus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Tenericutes;Mollicutes;Anaeroplasmatales;Anaeroplasmataceae;Anaeroplasma;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;;

OTUId	SPF.509	SPF.490	SPF.491	SPF.492	SPF.493	SPF.494	SPF.495
OTU_1	875	2155	1040	992	2130	964	1691
OTU_10	534	825	310	523	1007	418	690
OTU_102	17	42	7	21	81	19	51
OTU_103	5	22	5	21	2	3	2
OTU_104	67	41	40	46	85	36	42
OTU_105	45	63	39	59	107	76	54
OTU_106	49	58	49	46	95	36	76
OTU_107	22	67	28	48	94	64	42
OTU_108	55	92	161	104	167	90	112
OTU_109	22	32	12	7	7	24	15
OTU_11	276	105	9	550	515	26	118
OTU_111	10	49	52	18	21	0	2
OTU_112	76	70	46	33	93	54	50
OTU_113	22	11	76	29	11	0	10
OTU_115	0	21	7	67	2	2	10
OTU_12	399	108	62	289	74	58	54
OTU_120	79	145	62	110	106	128	130
OTU_121	3	55	18	12	26	15	5
OTU_122	28	77	48	63	55	55	49
OTU_13	138	608	1515	152	578	16	172
OTU_130	59	53	26	57	40	34	42
OTU_134	11	3	0	2	35	0	89
OTU_139	49	49	28	32	25	25	20
OTU_14	0	0	386	89	4	0	4
OTU_145	9	38	15	12	36	29	10
OTU_148	18	37	15	14	0	0	10
OTU_15	48	284	87	0	32	14	64
OTU_16	7	482	514	195	106	0	643
OTU_167	18	0	6	2	0	3	0
OTU_168	100	99	76	79	92	111	57
OTU_17	11	260	78	267	27	6	34
OTU_18	67	44	5	88	74	407	72
OTU_19	339	475	192	425	303	428	379
OTU_2	2001	500	1649	1162	833	2165	789
OTU_20	231	102	26	87	95	158	65
OTU_21	278	170	81	126	630	369	190
OTU_22	30	793	632	355	71	39	313
OTU_23	424	503	260	367	160	345	224
OTU_24	117	114	94	115	71	73	249
OTU_25	112	178	210	192	257	44	55
OTU_253	0	140	19	69	82	34	17
OTU_257	0	106	0	69	57	23	146
OTU_26	311	222	178	71	143	72	41
OTU_262	50	154	77	140	115	113	146
OTU_265	0	19	75	36	47	0	25
OTU_27	0	2	219	0	0	0	0
OTU_28	4	163	66	123	114	47	219
OTU_284	33	61	20	33	50	20	36
OTU_29	307	376	207	152	201	190	136

OTU_3	6368	0	277	1873	2	6055	1099
OTU_30	92	165	83	202	218	22	64
OTU_31	37	23	5	35	11	14	11
OTU_314	131	142	127	344	916	440	1299
OTU_317	155	286	81	240	277	253	210
OTU_32	153	107	116	110	727	298	434
OTU_320	0	44	23	46	34	33	85
OTU_33	3	171	159	166	385	138	153
OTU_331	230	198	115	168	150	146	116
OTU_34	384	252	25	168	390	166	102
OTU_345	0	3	68	23	8	72	43
OTU_35	142	107	62	59	169	84	93
OTU_36	111	2	14	2	8	55	0
OTU_37	0	33	0	14	14	0	78
OTU_38	24	87	179	73	66	30	221
OTU_39	595	43	59	40	20	8	12
OTU_4	2	809	6	428	746	74	791
OTU_40	44	0	0	0	36	0	240
OTU_41	165	168	152	222	187	212	175
OTU_42	3	194	83	56	169	35	106
OTU_43	0	0	2	0	20	0	13
OTU_44	30	36	51	86	193	106	335
OTU_45	283	350	99	209	201	400	177
OTU_46	83	80	7	67	46	20	104
OTU_47	109	141	57	98	276	82	143
OTU_48	25	127	102	89	165	95	110
OTU_49	47	74	44	67	29	23	35
OTU_5	209	400	166	118	19	3	77
OTU_50	72	45	23	217	144	91	78
OTU_51	70	131	14	120	119	52	169
OTU_52	346	38	47	27	157	42	72
OTU_53	371	152	52	133	102	156	171
OTU_54	10	6	4	11	235	50	40
OTU_55	42	36	65	50	100	85	54
OTU_56	88	229	63	82	41	124	22
OTU_57	33	3	28	20	162	36	71
OTU_58	0	80	2	4	27	9	204
OTU_59	114	233	103	172	206	88	113
OTU_6	499	826	181	464	323	347	523
OTU_60	69	117	25	37	80	2	46
OTU_61	220	79	67	114	27	156	31
OTU_62	49	40	21	24	140	63	34
OTU_63	435	369	249	363	503	383	367
OTU_64	22	53	12	34	118	24	88
OTU_65	61	125	64	98	183	60	104
OTU_66	21	86	37	21	152	88	56
OTU_67	73	26	47	41	107	60	112
OTU_68	0	0	0	0	0	0	0
OTU_69	182	100	69	73	96	42	68
OTU_7	502	644	660	476	972	515	666

OTU_70	17	49	4	32	15	9	25
OTU_71	9	144	12	35	152	44	68
OTU_72	28	69	0	24	12	0	251
OTU_73	0	82	0	0	147	61	126
OTU_74	216	280	45	325	148	266	168
OTU_75	241	230	34	68	78	128	144
OTU_76	26	55	45	45	18	27	50
OTU_77	331	323	63	274	305	200	295
OTU_78	39	42	30	32	19	8	15
OTU_79	64	90	27	50	107	116	52
OTU_8	128	187	77	56	0	0	0
OTU_80	27	19	13	116	172	178	72
OTU_81	80	43	26	30	133	35	72
OTU_82	23	16	17	5	43	61	60
OTU_83	21	111	0	40	86	73	96
OTU_84	0	166	0	107	60	33	224
OTU_85	110	105	76	90	139	97	161
OTU_86	54	78	24	15	108	72	121
OTU_87	54	117	45	66	56	29	45
OTU_88	325	59	3	86	7	31	10
OTU_89	112	59	76	78	66	70	35
OTU_9	6	581	77	78	0	0	2
OTU_90	0	59	0	32	119	67	62
OTU_91	0	57	60	24	24	0	46
OTU_92	32	36	29	25	48	57	32
OTU_93	86	96	50	69	56	26	21
OTU_94	101	144	118	74	54	69	63
OTU_95	11	28	15	9	9	10	19
OTU_96	111	53	34	67	89	94	50
OTU_97	29	20	0	20	27	12	26
OTU_98	8	3	4	11	28	3	47
OTU_99	75	66	28	49	48	57	68
Read per sample	22424	21000	13854	17165	20805	20103	19391

SPF.496	SPF.497	SPF.498	SPF.499	SPF.500	SPF.501	SPF.502	SPF.503	SPF.504
1571	2579	3707	1034	1281	1441	1372	902	777
697	725	1093	382	472	887	878	555	629
48	30	21	32	26	21	28	22	39
0	44	2	0	85	50	63	43	119
160	84	49	34	31	49	83	43	66
62	40	88	45	62	66	63	58	88
106	52	95	22	37	8	19	8	37
81	42	20	5	10	10	41	14	10
192	35	61	25	28	14	28	14	24
0	31	9	43	30	9	11	6	64
11	314	1151	361	90	286	691	334	452
36	13	42	13	4	4	16	3	21
204	30	60	39	32	49	88	44	31
0	0	36	3	14	0	0	28	87
0	72	0	74	9	2	15	0	55
887	162	228	311	67	226	156	91	78
110	9	111	99	75	63	61	37	72
29	37	11	16	33	23	47	24	29
69	79	85	63	86	38	80	31	90
24	246	338	9	274	20	112	20	207
47	68	34	19	33	37	73	33	124
27	2	17	8	0	0	0	0	0
61	36	35	21	34	36	70	42	60
0	0	2	195	278	0	0	0	0
46	20	2	9	14	4	20	10	10
180	67	14	7	11	7	45	6	42
131	34	44	31	274	42	39	53	375
265	2208	154	305	674	10	22	11	1990
3	32	6	8	0	7	8	4	29
13	72	55	56	181	64	59	80	154
36	529	24	40	255	226	450	645	500
22	159	109	293	115	32	7	5	31
343	578	541	77	157	202	286	173	556
346	725	3071	3392	1207	1947	1282	1693	61
166	152	115	124	141	34	72	47	105
1012	38	298	40	12	3	37	0	3
212	29	94	141	76	150	525	249	448
429	371	421	152	110	156	344	315	416
239	273	85	194	162	48	124	51	113
48	150	53	192	167	233	277	276	360
145	108	59	18	115	170	198	19	113
151	2	108	57	25	0	17	0	0
541	59	572	154	84	76	253	244	169
7	30	122	39	53	24	25	43	64
9	0	173	216	0	0	0	0	0
0	0	0	629	0	0	0	0	0
105	0	177	4	134	29	15	0	0
81	30	50	28	41	21	45	34	127
224	119	246	121	109	77	155	189	348

0	2005	0	0	3746	5452	3858	5640	188
9	274	112	312	108	48	236	101	122
25	62	22	14	18	82	76	79	40
0	659	48	998	43	0	109	56	12
331	131	294	157	265	87	261	131	106
189	120	281	50	88	27	62	59	76
39	0	72	0	56	14	4	0	0
189	82	126	14	17	19	38	6	51
188	180	189	119	208	101	172	127	251
97	453	277	28	186	249	209	79	120
30	13	70	177	80	0	14	13	9
58	93	76	32	75	22	54	56	117
69	20	173	173	317	15	18	0	110
0	5	11	406	0	46	181	96	0
100	13	177	26	50	97	454	336	221
623	0	205	0	50	0	0	0	0
0	11	14	572	161	10	20	3	639
15	6	11	13	0	2	0	0	0
207	360	191	430	173	172	252	142	277
95	32	144	31	93	38	77	17	37
9	0	0	72	4	2	2	0	0
0	155	16	244	9	0	23	24	4
185	145	335	24	227	153	197	157	170
287	413	175	56	53	78	54	25	55
70	94	161	56	96	92	138	94	196
85	363	124	385	349	216	252	171	326
367	138	175	22	47	18	64	12	87
2927	8	126	261	255	16	23	60	91
109	56	186	84	100	252	114	199	41
124	155	230	246	117	53	116	23	383
77	42	22	27	52	52	124	29	53
184	50	216	56	128	76	129	156	221
0	7	6	2	40	13	25	58	320
60	131	90	312	93	37	76	46	146
45	155	292	45	129	91	135	52	359
11	43	4	71	25	0	2	3	0
0	3	39	58	8	80	90	10	80
294	39	161	45	227	196	270	178	374
0	1449	559	305	782	478	890	455	878
0	304	46	23	39	57	74	71	173
253	252	105	53	57	109	178	130	190
65	43	63	45	13	22	39	6	18
437	559	407	357	487	393	489	426	679
175	59	218	105	13	20	38	45	11
169	163	83	243	36	43	51	36	174
74	49	39	25	37	28	56	20	80
38	82	80	32	46	115	91	55	73
0	0	0	0	0	0	0	0	0
131	38	93	30	90	138	188	133	243
1270	404	376	139	383	175	302	236	485

51	14	37	37	12	4	12	3	2
61	90	18	27	2	24	7	17	4
28	2	0	0	0	2	185	0	0
42	63	10	0	92	27	88	59	128
261	129	294	75	135	203	275	149	353
109	173	145	49	28	47	47	29	11
145	44	58	30	52	49	49	22	268
0	83	308	112	97	366	450	220	318
149	63	32	21	19	40	60	29	52
52	98	64	17	41	27	78	28	42
0	78	1191	198	407	259	203	344	1143
56	115	54	17	21	24	105	33	26
62	16	48	11	22	26	32	17	39
2	68	14	188	7	27	41	27	62
101	102	31	10	29	9	22	3	42
239	3	144	54	26	0	34	0	0
165	119	86	64	87	77	108	53	95
58	46	80	23	21	42	44	33	22
91	26	44	37	26	14	63	16	60
208	6	190	13	30	9	22	19	16
89	38	83	28	48	53	118	70	70
97	442	0	52	367	200	301	36	418
30	38	69	33	10	42	49	30	26
0	0	0	30	150	0	0	0	0
99	28	53	29	61	36	61	37	51
167	46	52	10	19	10	32	5	60
201	38	42	18	124	15	27	20	18
133	17	14	4	10	10	25	9	13
38	57	81	25	76	62	60	40	52
19	47	28	12	7	15	25	20	33
134	0	19	7	0	2	4	2	3
51	111	78	93	87	37	50	82	67
21824	22633	24175	17479	18997	18143	21302	17802	20953

SPF.505	SPF.506	SPF.507	SPF.508	SPF.510	SPF.511	SPF.512	SPF.513	SPF.514
1148	633	612	851	2725	2923	2512	4959	3264
901	341	296	1039	1077	1037	744	1217	967
27	21	12	40	51	41	38	80	6
11	10	4	8	0	0	0	0	34
58	57	41	24	73	54	29	43	75
113	68	41	66	124	111	59	162	100
27	17	18	45	40	31	77	46	35
19	4	11	12	57	53	39	32	5
9	16	18	38	96	95	67	60	55
29	57	0	15	14	26	26	6	11
254	427	110	177	397	633	1398	678	258
7	10	0	2	4	43	11	8	10
42	23	92	34	53	66	98	110	65
35	3	7	3	25	33	37	21	0
0	27	0	0	0	0	0	0	0
71	90	202	1268	50	93	288	122	69
116	134	82	42	137	61	122	87	53
32	13	0	19	55	68	9	36	0
80	31	33	29	73	62	134	45	94
196	59	88	165	59	478	110	144	96
31	82	26	44	55	53	44	40	40
0	37	18	5	4	2	24	3	52
46	51	33	85	61	56	55	55	55
1160	134	0	0	4	191	68	8	0
6	11	7	43	64	23	9	20	6
11	22	4	25	16	11	2	7	38
63	61	37	82	256	328	127	479	277
25	1851	3	8	404	412	500	17	83
6	2	15	5	10	164	14	7	14
79	79	42	54	60	42	84	125	74
942	31	547	197	12	47	39	29	143
2	23	37	9	52	67	50	11	31
148	411	212	44	697	421	464	313	442
1667	1636	3620	3181	601	2113	1165	12	668
112	121	87	94	121	253	109	221	336
0	14	39	71	15	116	468	0	251
307	174	102	18	676	75	147	82	285
561	251	227	84	330	283	320	96	936
107	215	28	64	50	454	190	111	724
117	96	130	61	364	157	713	328	18
421	50	0	0	83	90	18	397	2
0	263	0	0	101	95	106	110	108
249	73	137	248	50	365	162	120	1035
54	33	25	16	139	239	281	73	141
0	0	0	0	25	113	49	0	16
0	0	0	0	0	0	0	0	85
16	56	0	6	275	196	62	438	424
42	41	10	46	37	44	53	61	21
325	122	204	38	329	510	361	49	264

4901	4980	10220	8761	5	0	0	2	492
224	223	109	268	80	194	138	245	43
229	53	19	53	25	13	44	33	969
614	53	119	92	20	300	1313	0	40
178	77	46	136	409	214	366	806	1504
33	70	73	223	186	70	207	343	355
9	18	0	4	90	82	33	152	190
11	33	0	7	186	130	70	66	0
279	233	153	242	149	166	170	208	164
287	60	144	315	67	32	83	204	433
3	185	15	4	111	163	174	28	7
25	54	51	59	96	70	107	29	81
0	526	0	7	231	123	0	49	19
35	13	0	0	7	48	37	4	9
322	26	2	17	106	46	109	104	87
0	0	401	459	2	60	64	0	252
5	13	0	3	2534	12	29	3058	0
0	135	67	11	5	0	0	6	14
397	380	225	234	170	107	181	182	224
133	30	6	7	154	405	273	306	72
0	2	17	17	479	389	416	507	7
138	18	25	22	7	87	377	0	15
513	120	104	98	161	132	240	45	52
72	147	48	88	30	109	116	50	0
157	143	27	115	137	205	181	414	159
246	219	33	50	43	158	181	186	217
18	67	35	84	18	29	24	38	53
51	77	96	85	76	82	106	127	1794
249	52	90	61	229	169	350	149	118
83	25	39	34	37	175	105	178	334
54	31	222	106	192	391	59	79	290
167	62	29	210	111	165	298	182	137
20	10	3	6	0	25	0	6	4
35	63	25	66	96	33	58	57	129
311	277	33	47	4	58	223	45	0
0	6	24	86	40	106	38	9	32
13	30	0	0	37	29	40	55	15
258	70	193	249	84	141	88	121	116
522	318	141	521	1113	1192	828	1285	0
9	154	37	58	282	108	132	249	17
127	184	122	130	24	144	258	13	63
26	17	48	144	52	70	103	73	40
961	593	262	509	491	410	411	611	346
52	17	28	29	74	88	118	252	59
189	273	54	27	216	159	157	19	28
27	38	23	78	114	57	46	62	16
86	42	51	114	239	172	127	53	85
0	0	0	0	0	0	0	0	0
163	50	104	70	31	83	81	122	60
182	220	213	597	685	912	601	324	257

34	0	23	19	32	123	65	88	230
114	40	0	5	78	54	48	13	22
10	0	8	70	6	118	86	3	36
124	23	0	0	84	19	36	171	11
347	197	166	330	132	295	241	348	727
40	128	157	48	102	142	232	13	213
128	43	3	6	49	29	36	63	77
373	86	183	324	113	94	302	152	69
28	27	13	56	21	46	48	30	70
19	39	18	50	101	6	31	25	10
33	718	0	20	619	1866	510	556	0
120	42	38	25	27	16	52	3	13
28	21	24	23	56	43	26	51	24
101	58	37	37	31	91	57	13	8
18	15	5	6	89	34	65	20	0
0	341	0	0	175	138	147	146	166
129	99	90	13	105	184	158	69	46
17	36	26	80	76	98	42	135	55
15	36	27	35	101	63	30	78	28
17	26	108	221	28	0	59	10	359
76	120	24	42	71	57	148	52	115
131	176	0	2	7	501	230	0	0
45	13	0	0	0	0	0	0	0
0	0	0	0	37	58	54	69	0
54	24	38	42	48	55	38	51	52
7	37	50	36	56	80	69	65	44
12	38	97	49	28	34	73	23	185
13	12	4	17	45	21	12	20	9
66	43	61	86	86	64	81	116	59
27	4	19	37	28	10	15	76	19
7	0	0	30	0	5	63	2	68
162	142	71	64	68	63	83	155	51
24381	21052	22323	24781	22235	25348	23779	24820	23930

SPF.515	SPF.517	SPF.518	SPF.519	SPF.520	SPF.524	SPF.526	SPF.527	SPF.535
748	1240	632	373	1027	95	1752	2608	997
954	574	1671	1452	649	880	1115	903	684
11	29	157	57	28	65	73	62	49
22	42	8	14	11	2	26	26	19
35	21	62	44	62	68	40	53	37
72	58	228	126	157	214	103	100	52
41	63	41	43	80	96	241	126	63
34	37	98	106	41	115	105	86	52
51	64	91	104	121	187	195	171	44
20	23	35	74	28	69	24	42	100
187	152	19	15	112	669	625	894	390
0	28	9	18	0	11	134	66	10
72	63	12	50	45	25	110	147	25
31	0	12	0	0	10	0	6	90
36	36	3	10	0	34	20	139	60
112	38	31	17	166	43	43	223	174
158	33	37	31	57	12	32	29	63
24	60	54	80	25	23	167	59	74
51	32	44	16	12	23	42	13	39
109	58	9	10	51	0	194	14	123
51	16	22	19	17	22	10	50	96
63	0	30	57	13	36	4	2	141
33	39	121	134	54	70	67	49	35
11	2	8	4	42	91	4	0	42
29	23	119	119	32	118	56	17	29
29	2	15	62	0	7	13	0	23
55	126	1033	583	32	306	391	128	41
50	102	23	50	4	20	41	397	590
7	92	19	48	6	30	11	45	5
40	33	54	46	58	37	81	70	40
264	354	23	141	21	28	63	82	8
124	106	114	13	78	1098	11	128	165
748	356	208	50	145	926	51	354	465
2458	1664	3	204	2199	18	730	546	302
88	16	240	825	75	25	70	106	224
48	58	219	345	205	531	22	112	24
16	199	2	2	0	0	44	53	229
418	274	272	411	212	675	34	433	529
174	88	75	57	63	48	137	135	51
175	14	88	63	32	30	19	26	252
91	64	18	0	0	22	96	62	111
29	62	85	27	9	41	65	84	24
112	274	86	31	118	98	647	631	12
101	100	19	65	26	75	22	86	19
0	0	0	0	0	0	0	0	0
0	5	0	48	0	0	10	0	0
14	120	567	71	25	0	189	112	0
32	17	81	78	9	78	38	43	44
56	181	182	65	86	245	30	198	69

7161	4290	0	0	6400	15	1530	1491	818
80	256	226	491	218	325	498	100	87
20	16	4	0	8	4	35	34	0
284	307	2	6	361	877	55	247	97
197	153	134	170	183	123	503	276	175
163	83	131	121	231	59	119	107	77
5	60	292	43	9	0	69	61	0
13	73	36	40	14	40	473	308	259
200	295	133	77	218	63	256	300	91
64	135	280	265	151	518	127	257	144
191	0	2	14	21	9	53	27	23
87	134	171	94	333	382	469	331	125
101	242	24	10	8	11	102	53	0
10	2	11	33	0	22	0	3	6
66	10	54	3	37	39	95	69	54
0	117	258	260	621	489	290	285	7
3	5	2	0	2	326	239	31	3
102	0	67	110	22	60	20	24	442
182	130	233	329	270	339	119	91	36
12	100	61	26	10	82	194	109	34
5	2	0	228	0	7	0	2	48
69	82	2	0	73	206	14	60	9
366	61	18	27	76	49	128	209	84
112	36	21	41	34	8	26	46	50
69	13	73	37	44	48	28	51	135
112	112	212	220	50	203	153	161	103
129	78	90	58	81	45	175	95	75
94	190	4110	5859	258	154	59	322	33
33	174	261	175	176	177	290	220	143
24	89	52	64	38	191	80	223	97
221	109	82	58	59	207	7	327	283
136	61	147	82	131	94	131	144	37
22	11	6	4	37	2	14	69	4
44	35	37	72	114	111	42	38	98
104	116	70	30	80	149	106	163	33
11	285	134	25	116	52	8	131	94
5	10	43	266	0	9	23	0	2
96	90	191	342	150	159	127	131	104
160	739	330	0	780	1994	1241	735	993
25	30	4	30	36	74	16	103	47
216	5	0	4	3	14	17	30	4
32	91	297	224	197	184	102	67	16
495	220	437	271	305	489	443	338	220
24	41	61	67	36	17	100	63	36
246	98	157	227	32	76	48	111	88
37	92	125	152	111	158	253	142	110
67	155	22	48	166	43	242	239	72
0	0	334	346	44	71	0	0	0
50	65	148	86	85	153	52	115	212
261	1284	1206	1107	975	1450	2579	1866	880

43	62	0	0	10	0	83	60	11
90	68	70	166	2	13	79	16	9
0	6	73	139	45	18	2	64	2
12	115	121	29	6	53	121	195	91
174	170	176	182	205	216	267	161	66
144	162	108	185	109	226	71	132	10
51	4	3	0	0	0	53	41	34
130	400	7	240	212	385	402	584	361
13	22	196	86	33	94	47	51	71
81	78	12	24	76	40	177	78	39
74	129	34	0	41	368	130	260	357
98	145	64	7	13	0	17	81	143
14	43	139	73	102	186	122	82	63
35	38	48	16	25	61	158	36	8
27	146	138	175	52	161	53	52	100
51	150	120	73	9	41	146	264	32
85	50	96	54	38	83	31	61	47
97	45	45	36	78	30	109	54	77
25	65	114	86	100	162	197	117	71
25	10	23	25	71	8	7	16	5
103	27	96	129	18	157	46	36	48
0	519	755	528	129	1647	772	635	979
2	20	133	153	9	104	76	36	94
0	104	141	54	0	18	95	102	30
25	22	144	95	75	72	55	37	37
22	59	78	60	91	125	103	153	115
38	19	58	109	61	34	8	19	23
15	13	138	58	27	42	13	23	42
27	47	138	114	106	125	68	68	53
24	17	30	34	34	39	39	23	54
3	11	14	39	9	65	14	5	3
55	82	100	71	54	51	83	47	38
21873	20668	21182	21540	21477	22317	23391	23710	16416

SPF.536	SPF.537	SPF.539	SPF.546	SPF.547	taxonomy
1500	48	666	114	252	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
810	1388	513	1524	704	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
38	71	32	60	32	Bacteria;Proteobacteria;Deltaproteobacteria;;
10	44	34	60	8	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
71	36	42	89	33	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
46	121	91	125	58	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
47	74	82	45	23	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
48	29	116	37	27	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
17	14	38	18	7	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
6	32	19	96	29	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
184	51	732	426	241	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
6	11	28	34	11	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
113	29	16	41	25	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	5	0	5	0	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
5	18	49	19	21	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
494	90	212	347	404	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
74	18	51	54	29	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
23	57	58	107	24	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
30	15	31	46	27	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	13	30	38	95	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
38	103	86	56	27	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
17	35	45	8	0	Bacteria;Firmicutes;Bacilli;Lactobacillales;Lact
17	70	35	56	30	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
0	663	432	10	80	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
27	35	31	43	7	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
7	7	34	2	11	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
49	37	85	62	38	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
4	610	1432	593	224	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
21	39	27	3	5	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
106	66	69	76	43	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
168	37	76	182	14	Bacteria;Firmicutes;Clostridia;Clostridiales;;;
31	105	41	56	36	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
58	512	323	354	146	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
1595	1813	473	350	625	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
31	181	179	280	60	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
61	478	16	105	270	Bacteria;Firmicutes;Bacilli;Lactobacillales;Lact
106	124	135	412	150	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
146	228	104	205	118	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
260	281	393	240	34	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
182	194	119	261	67	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
45	108	50	72	89	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
2	95	64	73	63	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
44	62	41	39	9	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
26	26	19	23	11	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	97	0	0	0	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	249	0	2	0	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
2	137	6	26	0	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
38	69	53	50	13	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
78	157	36	91	20	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac

4986	0	1392	855	1686	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
267	215	366	348	167	Bacteria;Firmicutes;Clostridia;Clostridiales;;;
14	13	20	21	12	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
227	221	7	205	15	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
66	74	36	145	66	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
108	77	70	103	122	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
0	48	0	14	2	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
25	178	148	217	116	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
223	179	146	124	64	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
165	497	147	231	50	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
11	0	77	22	57	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
193	45	164	48	36	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
2	272	9	106	16	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	2	3	4	16	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
18	99	45	46	31	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
118	4	0	4	0	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
0	233	20	796	344	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
31	36	99	36	10	Bacteria;Firmicutes;Bacilli;Lactobacillales;Lact
25	144	205	139	51	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
4	54	36	44	8	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
13	21	8	25	29	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
49	68	0	38	8	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
90	150	78	182	27	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
72	201	236	105	19	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
205	333	145	281	86	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
134	188	296	174	74	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
75	58	139	42	22	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
154	30	14	138	69	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
159	279	141	248	91	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
13	32	17	58	30	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
126	67	22	124	26	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
47	76	88	69	38	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	12	28	4	0	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
32	91	216	135	37	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
42	73	106	56	83	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
38	117	29	136	28	Bacteria;Firmicutes;Clostridia;Clostridiales;;;
7	300	61	29	5	Bacteria;Tenericutes;Mollicutes;Anaeroplasm
70	264	122	226	117	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
0	1656	273	1618	599	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
42	193	111	219	20	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
48	7	0	3	9	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
41	26	32	16	21	Bacteria;Proteobacteria;Betaproteobacteria;B
281	488	340	457	196	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
28	52	77	92	131	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
60	165	139	77	0	Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
49	71	60	87	16	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
81	35	73	158	128	Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	0	0	0	0	Bacteria;Firmicutes;Clostridia;Clostridiales;;;
32	141	55	143	37	Bacteria;Proteobacteria;Deltaproteobacteria;I
139	54	588	602	81	Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ

3	5	2	6	2 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
217	64	66	78	17 Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
0	2	0	15	2 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
24	37	44	125	79 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
35	89	102	117	59 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
88	208	121	101	39 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
8	52	28	35	18 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
140	227	91	153	56 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
56	82	33	56	23 Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
87	155	95	61	47 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
149	330	570	262	408 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
45	163	176	192	42 Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
22	20	23	32	2 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
39	49	62	39	11 Bacteria;Deferribacteres;Deferribacteres;Defe
56	72	88	41	33 Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
10	97	108	104	113 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
57	120	129	81	32 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
75	102	123	159	50 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
33	99	98	40	58 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
19	6	5	0	0 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
42	40	29	35	42 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
0	629	303	468	278 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
12	96	58	135	37 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
0	100	44	19	0 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
25	39	29	63	16 Bacteria;Firmicutes;Clostridia;Clostridiales;;;
50	127	85	91	19 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
43	21	72	80	60 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
24	11	38	10	8 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
28	109	56	109	35 Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
35	89	52	122	19 Bacteria;Bacteroidetes;Bacteroidia;Bacteroidæ
9	16	4	8	0 Bacteria;Firmicutes;Clostridia;Clostridiales;Lac
50	59	40	63	35 Bacteria;Firmicutes;Clostridia;Clostridiales;Ru
16772	19736	16502	18965	10776

chnospiraceae;Hungatella group;
ales;Rikenellaceae;Alistipes;
;;
minococcaceae;;
minococcaceae;;
minococcaceae;;
ales;Porphyromonadaceae;;
ales;Prevotellaceae;Prevotella sp.;
ales;Porphyromonadaceae;;
chnospiraceae;;
chnospiraceae;Hungatella group;
ales;Porphyromonadaceae;;
chnospiraceae;Hungatella group;
chnospiraceae;;
chnospiraceae;Eubacterium sp.;
chnospiraceae;;
chnospiraceae;;
ales;Rikenellaceae;Alistipes;
chnospiraceae;Hungatella group;
chnospiraceae;Ruminococcus;
chnospiraceae;Clostridium;
obacillaceae;Lactobacillus;
minococcaceae;Clostridium;
chnospiraceae;Hungatella group;
ales;Porphyromonadaceae;Parabacteroides;
ales;Porphyromonadaceae;;
minococcaceae;;
chnospiraceae;Eubacterium;
chnospiraceae;;
minococcaceae;;

chnospiraceae;;
chnospiraceae;;
chnospiraceae;Clostridium;
minococcaceae;Flavonifractor;
obacillaceae;Lactobacillus;
chnospiraceae;Roseburia;
chnospiraceae;Clostridium;
minococcaceae;;
chnospiraceae;Moryella;
chnospiraceae;;
chnospiraceae;Hungatella group;
chnospiraceae;;
chnospiraceae;Roseburia;
chnospiraceae;Hungatella group;
chnospiraceae;Hungatella group;
chnospiraceae;;
minococcaceae;;
chnospiraceae;;

chnospiraceae;Hungatella group;

chnospiraceae;;

chnospiraceae;;

chnospiraceae;Hungatella group;

ales;Porphyromonadaceae;Barnesiella;

chnospiraceae;;

ales;Porphyromonadaceae;;

minococcaceae;Flavonifractor;

minococcaceae;Butyricoccus;

minococcaceae;Butyricoccus;

ales;Porphyromonadaceae;;

chnospiraceae;Hungatella group;

chnospiraceae;;

chnospiraceae;;

ales;;;

chnospiraceae;Hungatella group;

obacillaceae;Lactobacillus;

chnospiraceae;ClostridiumXIVb;

chnospiraceae;Ruminococcus;

chnospiraceae;Hungatella group;

chnospiraceae;;

chnospiraceae;Hungatella group;

chnospiraceae;;

minococcaceae;;

minococcaceae;;

ales;Porphyromonadaceae;;

chnospiraceae;;

ales;Porphyromonadaceae;Odoribacter;

chnospiraceae;;

chnospiraceae;Clostridium;

chnospiraceae;;

minococcaceae;;

minococcaceae;Oscillibacter;

chnospiraceae;;

atales;Anaeroplasmataceae;Anaeroplasma;

minococcaceae;Oscillibacter;

chnospiraceae;Hungatella group;

chnospiraceae;;

chnospiraceae;Clostridium;

urkholderiales;Sutterellaceae;Parasutterella;

minococcaceae;Pseudoflavonifractor group;

ales;Rikenellaceae;Alistipes;

minococcaceae;Anaerotruncus;

ales;Porphyromonadaceae;;

chnospiraceae;;

Desulfovibrionales;;;

ales;Porphyromonadaceae;Barnesiella;

chnospiraceae;;
minococcaceae;;
chnospiraceae;;
chnospiraceae;;
chnospiraceae;;
chnospiraceae;;
chnospiraceae;;
chnospiraceae;Anaerostipes;
minococcaceae;ClostridiumIV;
ales;Bacteroidaceae;Bacteroides;
chnospiraceae;Roseburia;
minococcaceae;;
ales;Porphyromonadaceae;;
erribacterales;Deferribacteraceae;Mucispirillum;
minococcaceae;Ruminococcus;
chnospiraceae;Hungatella group;
chnospiraceae;;
ales;Rikenellaceae;Alistipes;
ales;Porphyromonadaceae;;
chnospiraceae;Anaerospobacter;
chnospiraceae;Anaerospobacter;
chnospiraceae;Clostridium;
ales;Porphyromonadaceae;Odoribacter;
chnospiraceae;;

ales;Porphyromonadaceae;;
chnospiraceae;Eisenbergiella;
ales;Prevotellaceae;;
minococcaceae;ClostridiumIV;
ales;Porphyromonadaceae;Odoribacter;
chnospiraceae;Hungatella group;
minococcaceae;Oscillibacter;

#OTUId	79.R.are.f	B23.R.are.f	H38.NR.WT	H40.NR.are	B17.R.WT.f	B21.R.are.f	SPF.505	H35.NR.WT
OTU_1	2	28	576	32	263	2825	10	3190
OTU_10	8	1022	1164	539	265	1746	736	401
OTU_100	1	0	0	0	0	0	37	0
OTU_101	45	132	0	265	92	101	86	176
OTU_103	70	135	160	136	271	232	254	248
OTU_1035	324	244	1061	1427	234	96	54	160
OTU_104	167	239	303	214	148	213	117	287
OTU_105	0	0	1	1	3	0	4	0
OTU_106	105	106	14	199	110	116	48	186
OTU_107	82	180	72	41	177	122	86	60
OTU_1072	1	13	0	3	27	232	26	0
OTU_1086	43	23	8	13	52	60	12	28
OTU_109	204	381	916	250	348	145	28	194
OTU_11	361	269	0	2	3	1	1524	0
OTU_111	192	328	7	249	140	110	7	268
OTU_112	14	17	65	2	0	225	0	10
OTU_113	185	153	1	210	138	219	13	98
OTU_1132	33	113	111	144	288	206	149	56
OTU_1148	46	103	124	124	24	17	473	33
OTU_1175	62	96	71	52	13	118	68	33
OTU_1176	0	5	53	0	5	13	3	64
OTU_118	118	124	4	71	0	0	18	99
OTU_1184	0	1071	3	9	153	2	1274	0
OTU_12	329	911	1645	1135	11	980	55	2
OTU_120	270	391	192	197	711	173	634	178
OTU_121	26	113	14	45	196	5	111	53
OTU_1217	4	934	1	10	115	1	752	5
OTU_1260	177	94	131	163	206	119	126	106
OTU_13	866	688	698	1301	641	197	231	240
OTU_130	111	28	64	138	57	35	211	29
OTU_1316	0	0	72	2	30	385	0	414
OTU_1318	0	0	0	39	0	0	0	118
OTU_1334	473	6	0	32	12	5	7	46
OTU_1335	46	5	61	3	0	315	39	232
OTU_1380	2553	3571	42	89	3555	3112	1270	37
OTU_1387	164	181	108	64	174	47	332	162
OTU_14	1450	833	1358	1457	5	3	44	766
OTU_140	1	85	36	8	308	5	9	13
OTU_1431	40	111	60	4	144	58	235	50
OTU_1441	184	137	315	154	254	109	184	77
OTU_146	181	131	3	1	170	160	43	1
OTU_15	0	9	0	0	1	0	1354	0
OTU_16	374	128	195	157	1010	177	450	51
OTU_17	952	914	3	186	970	862	200	1
OTU_18	1656	553	469	687	443	0	396	10
OTU_19	132	593	527	393	278	177	395	56
OTU_2	23	1	3472	5552	8	2	351	2768
OTU_20	763	344	1	20	485	61	54	94
OTU_21	69	18	177	4	13	635	0	22
OTU_22	7	2	1426	1057	5	1	33	375

OTU_226	0	0	1	82	1	0	0	193
OTU_227	146	126	35	75	441	381	416	198
OTU_23	31	279	40	4	670	611	0	4
OTU_24	1	1	1	1	1	0	3	505
OTU_25	457	399	2	193	1292	377	18	158
OTU_26	342	291	502	369	455	223	184	211
OTU_260	410	117	389	74	175	339	73	193
OTU_27	255	110	1519	1633	95	405	6	440
OTU_277	1	2	0	2	406	516	0	4
OTU_28	485	48	0	1	6	3	220	467
OTU_280	63	296	123	111	177	35	112	42
OTU_284	1	148	2	0	21	1	76	0
OTU_29	3	0	420	611	18	28	0	155
OTU_293	87	96	103	110	237	133	61	83
OTU_3	63	53	170	281	51	21	8	35
OTU_30	100	43	32	26	64	357	118	43
OTU_306	0	0	50	557	38	6	16	10
OTU_308	600	89	0	0	5	0	25	0
OTU_31	305	71	73	440	784	612	514	303
OTU_32	252	221	85	1	466	538	62	1295
OTU_33	29	128	28	157	56	5	36	448
OTU_34	263	107	218	79	46	80	94	56
OTU_349	0	0	0	4	39	278	0	0
OTU_35	57	85	388	171	3	89	183	394
OTU_359	46	73	13	8	226	642	210	61
OTU_36	110	171	91	21	178	62	504	269
OTU_361	3	0	65	0	478	23	20	1
OTU_37	907	42	690	60	629	187	1	74
OTU_38	348	223	20	263	363	716	18	724
OTU_39	4	51	3	1	118	34	593	4
OTU_395	90	128	221	115	98	124	147	41
OTU_4	2062	1124	146	2686	2085	1548	229	2306
OTU_40	281	384	330	203	993	119	263	320
OTU_41	83	405	191	85	688	187	107	34
OTU_419	90	220	170	74	169	138	188	153
OTU_42	240	286	234	15	341	71	396	63
OTU_424	8	11	0	0	138	103	65	0
OTU_43	677	57	111	375	258	9	9	193
OTU_44	0	1	3	28	1	0	1	102
OTU_45	61	0	123	482	12	0	0	57
OTU_46	234	0	2	0	0	0	23	298
OTU_47	155	449	548	202	389	273	499	105
OTU_48	212	234	129	72	349	267	117	378
OTU_485	1	0	0	0	128	143	0	0
OTU_49	29	54	54	79	22	10	190	18
OTU_50	187	147	640	291	155	217	31	523
OTU_501	13	329	31	35	504	594	425	20
OTU_51	455	110	83	248	56	30	172	204
OTU_52	203	181	2	0	1	0	73	440
OTU_53	330	82	190	446	58	136	349	14

OTU_54	108	80	125	182	109	27	344	358
OTU_55	38	74	162	84	364	118	293	487
OTU_556	1	154	0	0	17	0	36	0
OTU_56	377	289	2	156	689	262	18	51
OTU_57	2	0	14	605	2	0	41	109
OTU_571	0	1	2	2	80	142	3	1
OTU_58	253	298	274	353	419	36	504	614
OTU_586	5	11	0	0	113	1	455	2
OTU_59	0	0	17	7	0	0	12	11
OTU_6	1642	288	4	1	23	5	865	1996
OTU_60	70	28	0	101	354	80	97	73
OTU_61	375	85	203	173	61	75	13	1
OTU_62	141	214	6	271	159	351	7	141
OTU_64	293	210	110	169	184	108	141	241
OTU_65	24	49	102	92	19	14	19	97
OTU_66	307	233	340	239	56	282	18	320
OTU_668	0	50	46	304	0	2	5	37
OTU_67	427	216	196	294	181	162	29	69
OTU_68	93	171	293	158	13	85	200	80
OTU_69	1	2	152	0	1211	59	38	1
OTU_697	4	1	51	780	0	0	4	98
OTU_7	15	5659	7	48	702	2	6659	2
OTU_70	70	122	206	518	67	160	40	131
OTU_703	71	25	119	401	31	137	84	30
OTU_71	370	207	1	294	287	216	18	1
OTU_711	1	0	54	12	1	1	4	23
OTU_72	2	0	0	206	1	0	0	509
OTU_73	72	27	22	5	106	48	149	168
OTU_74	15	329	629	218	131	53	127	177
OTU_743	4	128	98	4	15	36	42	132
OTU_75	123	53	1	2	304	204	45	89
OTU_76	353	55	5	110	55	0	296	45
OTU_77	0	0	0	0	0	0	8	0
OTU_774	14	13	20	10	31	1557	12	334
OTU_78	102	37	64	107	13	19	193	173
OTU_79	156	192	17	251	171	102	11	371
OTU_799	537	318	41	670	505	401	53	676
OTU_8	574	1198	2286	1691	2247	1717	1333	2055
OTU_80	367	109	96	77	76	0	5	43
OTU_81	31	161	4	57	161	1	190	2
OTU_82	108	221	578	215	174	168	50	88
OTU_83	227	128	279	17	238	0	64	133
OTU_84	52	110	225	397	141	54	178	156
OTU_85	0	0	0	0	0	0	25	0
OTU_851	2	1	86	1	537	25	21	0
OTU_86	138	111	0	0	66	46	1	10
OTU_87	174	164	342	243	170	98	214	131
OTU_88	21	108	4	3	197	159	268	54
OTU_89	4	1	109	163	0	1	0	56
OTU_9	607	42	1362	1209	0	1	43	1046

OTU_90	15	42	0	0	109	9	29	30
OTU_91	0	0	0	1	0	0	38	1
OTU_92	16	112	0	418	102	223	59	0
OTU_93	366	0	0	0	10	23	0	0
OTU_930	136	158	15	183	95	79	12	289
OTU_94	37	184	65	52	152	127	47	94
OTU_946	263	0	0	48	100	18	35	2
OTU_95	4	29	34	40	35	14	1	10
OTU_96	15	29	151	122	307	152	3	78
OTU_97	62	148	497	378	120	308	199	173
OTU_974	1154	809	3324	4812	828	349	221	602
OTU_98	52	82	44	17	128	73	384	44
OTU_99	107	75	31	33	47	1	230	61
OTU_997	25	159	80	12	180	208	279	25
OTU_998	0	1	176	482	0	0	2	2
Read per s:	29952	28884	29634	38102	34501	24679	27019	28955

SPF.497	SPF.502	110.NR.are	SPF.494	78.R.WT.m	H37.NR.arc	H48.NR.W	B18.R.are.r	109.NR.are
4	10	0	12	22	2	2	1	0
2009	1254	137	513	910	1	2158	0	589
162	123	0	189	0	3	0	0	0
83	55	61	110	126	84	0	31	111
155	242	229	129	106	47	178	515	403
71	31	337	2	62	426	1293	321	385
108	86	219	153	105	165	213	239	228
30	31	3	68	0	1	0	2	0
37	65	151	61	133	132	3	140	162
49	190	143	78	90	17	75	72	153
20	19	0	36	17	0	0	0	0
38	35	29	58	16	20	10	1	9
15	44	328	42	65	173	931	476	131
5	0	0	0	0	0	1	0	0
10	27	240	30	266	339	0	109	240
7	0	91	4	75	28	50	0	9
41	49	172	56	83	149	0	157	237
131	233	104	100	39	68	342	68	176
106	211	77	397	91	135	189	38	387
37	31	146	72	48	47	147	9	70
2	1	144	6	1	90	109	2	160
38	36	85	51	145	119	0	0	140
571	1012	0	1637	1767	0	0	0	1
128	315	1	2	19	0	1944	22	0
336	308	148	151	209	109	214	241	214
81	76	32	75	59	24	26	175	36
338	557	0	889	1537	0	3	0	1
134	129	90	91	33	125	105	25	195
820	418	702	630	113	635	1927	198	457
69	97	69	49	4	74	105	51	106
1	0	0	0	1	0	0	0	0
0	14	93	28	0	268	0	0	132
10	21	64	67	125	32	0	2	21
47	43	10	41	8	12	150	392	20
3236	915	26	11	1533	31	13	1897	45
218	180	185	177	90	143	54	91	123
150	104	1057	159	436	1656	1511	4	765
14	14	387	52	1	214	73	17	307
72	134	50	113	121	15	63	115	82
77	146	293	35	41	0	61	430	46
87	38	21	59	126	1	1	143	15
788	678	0	9	0	0	0	6	0
43	759	539	68	37	8	440	447	470
589	429	0	1	206	0	0	1116	0
465	968	0	56	2	0	670	526	0
89	195	60	137	303	234	684	315	73
75	1018	3028	1356	21	2810	1281	4	3616
14	274	108	2	4	155	1	483	89
12	0	362	2	106	6	133	7	51
50	111	578	51	0	687	2050	0	701

3	19	144	20	1	407	0	0	175
0	562	463	226	336	9	17	415	376
28	28	2	81	0	6	80	996	2
74	20	908	34	1	1102	0	3	856
58	20	36	41	704	170	3	1197	30
241	410	919	63	363	213	365	181	1161
50	57	25	48	74	316	173	142	52
2	2	293	1	177	697	798	233	103
2320	17	1	0	0	6	1	0	0
264	49	595	192	216	875	0	3	629
74	214	292	119	150	166	369	149	32
56	70	0	106	245	0	0	1	0
86	9	887	134	0	662	44	0	476
62	66	92	75	140	97	91	129	96
4	5	72	0	10	58	259	57	68
257	237	182	96	52	98	23	33	91
96	46	23	186	0	91	30	4	17
53	17	2	3	0	0	1	252	0
29	706	239	62	198	588	130	255	318
232	114	625	498	277	1294	4	627	986
73	21	193	59	6	940	88	54	228
68	214	282	76	23	163	143	180	344
0	0	0	0	0	0	0	0	0
180	164	318	270	12	90	178	107	621
55	293	37	153	34	39	33	18	56
279	216	118	209	27	22	19	52	272
4	3	284	2	28	0	64	170	3
68	81	332	560	108	178	555	1004	162
138	55	292	220	72	521	5	367	463
166	303	0	50	0	0	5	13	0
150	78	159	163	34	124	238	44	119
485	432	2015	589	1315	2609	21	1554	2177
77	213	564	261	216	1134	232	160	336
60	70	53	28	188	53	342	703	10
102	139	78	126	150	171	157	96	126
618	285	27	220	217	9	38	23	103
15	111	7	88	3	0	0	241	0
151	17	576	51	19	228	124	183	657
8	0	67	20	0	167	376	0	134
76	0	180	65	3	259	196	191	298
2	268	81	2	0	792	0	0	258
185	231	156	288	146	162	659	111	116
612	95	195	39	234	220	198	166	308
582	3	0	0	0	0	0	0	0
48	99	39	186	48	66	85	16	198
77	68	272	117	179	589	704	151	371
93	169	26	70	75	16	57	32	21
532	354	81	309	114	145	78	1	136
71	80	574	111	78	378	0	0	674
532	368	180	156	9	259	227	37	55

413	371	104	33	528	91	148	53	145
46	367	239	113	193	190	115	335	641
15	23	0	50	296	0	0	0	0
51	53	134	17	132	124	0	294	120
83	108	427	159	1	347	3	0	516
7	20	0	0	0	0	1	124	0
217	426	353	412	135	562	198	128	268
3	54	1	4	4	2	1	58	2
0	10	8	3	0	12	74	0	11
986	192	2145	649	845	2890	1	4	2226
117	75	26	47	214	111	1	235	66
499	125	0	4	1	2	127	393	1
22	14	144	28	242	180	2	332	174
369	165	273	85	91	431	117	147	155
49	7	81	31	22	541	146	23	62
71	44	237	166	221	517	229	48	174
22	20	121	127	0	342	29	0	16
158	44	210	143	81	237	390	233	197
381	295	86	243	70	55	168	55	30
7	27	705	9	99	0	222	412	7
141	2	81	430	0	73	20	0	97
3010	5442	0	8335	10524	1	1	1	5
218	115	75	129	93	154	267	70	60
76	80	29	48	22	47	115	69	22
80	50	55	49	356	0	1	371	42
1	2	280	25	0	92	264	0	114
8	54	327	69	0	917	0	2	428
141	163	55	98	53	240	20	19	26
248	177	61	80	26	373	459	38	95
1	23	47	95	1	0	419	293	246
80	45	50	24	104	130	1	251	93
247	82	153	100	19	307	14	41	49
65	43	0	61	0	0	0	0	0
22	33	654	123	0	21	1	0	1583
162	15	3	68	91	21	30	15	68
12	17	199	23	179	478	4	323	298
146	110	519	164	355	669	5	409	534
1090	1301	345	659	973	523	1600	2142	1549
9	8	377	12	8	74	88	12	76
122	141	61	95	0	0	92	299	0
70	79	281	32	85	40	712	202	367
259	86	204	228	158	172	472	71	59
44	108	58	62	6	108	102	44	76
3	159	0	20	1	0	0	0	0
7	16	316	4	49	0	115	182	2
12	19	77	8	72	37	1	34	65
189	158	155	156	72	66	286	161	107
66	316	7	89	53	31	1	140	19
1	0	188	0	1	118	39	0	357
13	17	150	0	5	2999	1852	1	42

11	39	15	85	42	3	1	70	110
238	96	0	47	2	0	0	1	2
1	1	82	8	5	64	3	27	172
59	20	0	0	0	0	0	3	0
9	17	138	23	128	369	1	232	224
56	58	187	75	118	60	71	453	367
10	9	0	2	153	0	1	174	0
4	7	20	8	8	22	30	33	27
23	12	9	4	28	39	144	148	15
15	109	222	213	88	256	448	77	209
302	148	1352	31	253	1568	4658	993	1424
95	130	65	32	110	105	32	29	66
165	55	26	87	23	2	26	14	47
67	303	86	75	93	3	67	29	205
0	0	0	0	0	55	105	0	0
26589	25366	31983	23060	26841	39020	28785	26299	34255

B16.R.WT.f	120.NR.are	81.R.are.f	125.NR.are	130.NR.are	129.NR.are	80.R.are.f	118.NR.are	B20.R.WT.r
9	3	8	3	2931	1	9671	17	4059
900	1660	286	5	237	352	355	1634	1832
0	2	0	1	4	0	2	1	0
86	93	0	83	203	116	0	48	127
310	332	226	200	141	97	443	131	351
421	564	130	248	598	372	468	133	62
210	253	223	178	195	97	290	120	125
0	390	1	0	5	0	0	553	0
71	73	45	90	108	97	111	73	193
203	125	71	77	214	51	163	118	84
9	0	11	0	1	0	793	17	305
7	80	77	3	7	13	25	67	23
252	59	199	72	175	56	479	20	397
11	0	0	0	0	0	0	0	1
341	87	114	160	225	28	188	144	211
7	12	160	178	0	0	51	24	0
210	136	135	97	169	39	247	432	259
40	135	162	206	61	40	79	256	79
71	283	144	48	175	30	100	324	8
40	119	225	8	46	24	114	158	59
1	170	116	53	28	266	38	186	1
155	108	1	100	66	72	1	45	1
732	7	788	0	2	1	1	1154	0
31	2	667	5	1235	491	969	0	292
315	321	233	224	150	87	275	253	155
160	12	9	64	71	10	21	60	34
662	13	688	1	2	0	3	1061	3
55	106	65	39	133	112	99	99	141
331	713	327	647	1110	758	206	1120	443
12	186	37	54	24	33	83	44	70
0	0	0	0	399	0	1252	1	544
0	144	0	109	0	30	0	23	0
7	191	3	74	14	43	6	106	23
157	48	103	117	36	0	212	46	540
4652	72	1484	44	25	32	666	18	1449
91	104	133	53	150	80	254	132	205
575	621	669	526	771	362	1006	1035	2
2	97	7	46	2	6	2	163	4
118	118	61	57	21	33	103	72	78
104	33	52	0	190	62	329	48	172
157	162	0	114	0	0	0	164	182
70	0	2	1	31	31	47	0	9
250	191	932	76	82	59	746	95	610
1410	203	672	0	294	164	227	1019	955
404	0	103	2	409	291	40	0	135
953	541	229	326	161	98	546	142	355
5	6227	11	3673	2428	2455	5	1250	4
169	645	150	1123	27	7	107	22	874
18	0	463	551	0	1	91	2	2
0	627	1	318	488	403	2	302	1

0	254	1	151	1	42	0	52	0
688	761	687	291	244	149	370	304	212
156	4	203	2	577	611	1487	213	409
0	20	10	253	17	0	1	185	3
650	149	441	400	116	29	1052	53	1188
659	983	440	403	537	142	299	406	327
161	259	389	61	240	38	634	72	243
194	39	41	289	139	15	292	22	123
0	1	8	4	4	2	0	3	0
76	777	420	4	2	0	0	399	0
318	173	685	67	117	44	48	573	40
80	0	105	0	1	0	0	137	1
0	21	4	41	16	14	982	83	0
146	77	128	77	123	48	90	48	71
85	110	33	58	120	130	74	32	8
33	173	650	44	14	1	1013	281	78
0	31	8	25	136	108	2	8	4
0	0	2	79	0	0	0	0	177
106	957	197	111	333	119	251	95	260
146	763	64	954	496	450	151	415	290
171	266	142	404	15	66	268	49	18
39	169	812	694	203	60	607	420	699
0	0	0	0	0	0	1197	0	485
117	176	66	135	199	90	328	5	236
39	136	297	133	16	25	134	223	229
308	106	332	5	28	24	438	154	102
84	348	0	356	23	0	3	50	0
35	231	142	426	1103	433	35	355	628
315	154	89	140	380	243	253	5	454
0	70	5	0	47	8	5	4	8
37	99	187	174	74	91	130	92	34
1835	1356	1105	614	1843	890	2480	1884	1822
366	544	492	246	220	82	31	357	88
1	312	12	10	182	42	121	184	141
101	297	98	233	155	58	135	184	94
165	278	253	81	6	17	293	75	22
101	32	63	15	10	35	75	61	91
68	220	415	220	190	172	199	102	201
0	395	80	215	128	37	117	119	0
85	402	82	307	87	53	680	83	375
37	0	1	13	1	0	0	0	0
76	299	248	190	152	92	160	234	226
410	657	164	294	24	23	243	113	77
0	0	6	0	0	0	0	0	0
28	176	83	24	94	18	62	183	4
135	266	123	126	389	208	207	230	284
26	24	83	16	51	16	198	29	75
27	114	2	111	228	110	64	0	1
310	299	2	1	0	0	1	88	0
28	116	129	11	107	99	69	137	49

496	143	80	20	184	194	219	106	160
291	274	33	353	75	77	115	86	80
107	1	123	0	0	1	0	171	0
203	30	146	39	228	89	438	73	666
1	555	2	376	170	144	1	462	2
1	0	0	0	62	186	0	0	104
562	611	340	379	253	122	15	461	240
57	1	91	0	4	2	25	0	32
2	48	2	43	14	5	89	195	0
338	2704	1459	8	3	0	9	1582	0
219	419	84	53	258	163	623	28	270
1	218	58	257	101	21	86	6	398
282	261	174	264	82	36	407	180	306
554	200	92	283	76	92	161	172	75
23	0	37	1	50	78	59	0	32
177	130	131	98	145	19	326	151	262
0	0	1	55	238	64	0	92	2
98	200	163	255	541	105	271	276	79
73	141	52	197	117	57	133	209	79
208	1024	0	1035	60	0	3	145	2
0	22	4	19	2	26	8	109	0
3755	48	4528	2	3	2	3	6603	7
28	1	130	66	376	181	347	118	162
20	49	66	18	150	81	122	62	123
348	156	161	189	0	1	352	80	270
0	210	2	13	32	11	0	305	1
2	597	0	380	0	77	0	72	0
47	447	27	179	42	10	21	160	21
483	86	384	95	106	93	349	24	126
196	392	3	111	19	51	0	96	33
81	52	121	277	214	153	288	26	459
10	86	4	39	281	117	116	87	56
0	254	0	3	0	0	0	412	0
0	435	162	7	402	436	238	54	722
189	17	47	25	85	205	171	1	56
234	138	72	149	176	89	70	98	146
443	415	253	184	504	243	683	489	479
1260	1578	740	852	1354	1056	4	344	3638
19	6	10	6	83	281	6	18	0
0	3	0	165	241	101	1	62	121
164	125	165	38	318	123	303	303	363
103	512	434	2	1	0	4	336	33
164	67	75	62	316	110	193	57	89
0	0	0	0	0	0	0	0	0
114	510	0	552	28	0	0	89	0
70	48	100	53	120	29	363	80	85
73	182	147	150	124	104	245	151	135
38	0	0	4	38	32	1	0	94
0	89	0	0	45	5	1	0	1
100	2101	0	1481	1992	741	3	871	1

50	308	19	130	6	0	28	37	23
0	0	0	336	1	0	0	2	0
1	8	37	284	352	43	96	0	109
15	0	3	0	0	0	34	0	45
138	91	71	129	125	77	73	64	115
22	192	319	86	55	26	26	335	110
39	7	0	0	188	0	4	0	91
26	29	19	15	11	17	27	317	26
89	3	24	85	0	0	19	2	136
74	505	180	318	344	186	182	295	59
1526	1951	528	863	2295	1597	1554	595	179
24	35	57	48	19	31	167	16	223
155	12	127	4	32	19	61	33	15
10	42	155	18	99	13	40	101	91
0	0	0	0	0	0	0	0	0
31223	41504	27240	26571	27507	16840	28633	30564	26146

H43.NR.W	82.R.are.f	SPF.510	B19.R.are.r	123.NR.are	113.NR.W	H36.NR.W	122.NR.are	B22.R.W	T.f
1686	26	876	5542	9	1533	1601	0	19	
2365	826	1551	932	222	1376	386	1	638	
0	0	151	0	1	0	1	1	0	
4	0	92	207	114	84	119	119	131	
224	146	238	176	178	245	260	495	241	
520	90	22	85	166	287	398	313	360	
253	167	94	175	248	123	440	253	227	
0	0	69	0	0	0	0	0	0	
38	123	94	81	215	63	142	158	128	
46	90	97	63	149	233	72	165	37	
0	14	0	395	0	0	0	0	0	
6	16	26	65	3	285	18	37	27	
890	358	64	135	130	146	293	266	175	
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40	186	11	73	99	124	239	255	442	
22	231	12	87	87	44	82	440	92	
0	188	110	78	289	125	170	99	107	
77	168	191	78	70	351	167	149	90	
150	85	147	27	230	61	201	186	55	
19	36	79	64	37	173	78	36	15	
44	14	0	4	23	53	89	1	25	
25	0	56	1	118	60	112	92	1	
7	1865	1	0	0	0	1	0	1	
540	804	871	1210	0	5	1	1	261	
290	217	291	205	162	205	253	483	268	
109	12	57	27	30	53	95	119	14	
5	1701	2	6	1	2	3	1	1	
90	87	118	54	72	149	145	189	77	
290	395	1005	483	333	1147	853	843	369	
53	8	94	51	58	43	50	38	90	
205	0	91	772	0	201	217	0	8	
0	0	75	0	74	67	77	109	0	
24	314	1	129	17	30	3	12	176	
269	112	40	12	29	64	25	156	454	
29	1053	17	1407	17	32	36	56	2281	
40	70	205	123	82	123	187	85	58	
429	969	154	1	803	241	760	779	6	
25	59	11	22	12	167	407	99	58	
76	52	109	51	66	47	112	117	131	
77	71	139	213	2	3	183	0	219	
5	2	76	85	122	66	1	176	231	
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31	270	950	330	464	310	413	1577	227	
1	616	10	507	0	0	1	8	1145	
867	344	583	41	2	3	0	0	794	
1457	255	336	332	414	102	147	373	74	
1593	1	3482	3	1033	3671	4239	3530	13	
36	4	14	232	1312	303	17	494	21	
52	698	12	236	123	57	140	1445	39	
1604	0	181	0	743	175	461	453	5	

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27	153	3	19	312	569	373	698	141
439	157	348	392	514	5	92	10	13
3	1	38	0	573	462	843	302	9
6	940	4	440	328	9	194	396	1190
467	202	567	239	357	772	403	723	422
354	166	39	83	350	17	589	41	211
585	20	713	163	216	166	609	214	86
7	861	1	71	3	2	1	4	720
0	41	15	2	179	1032	975	0	38
124	91	66	24	123	179	211	108	57
1	267	0	1	0	0	0	0	0
55	212	31	1370	16	65	299	20	0
87	109	82	98	92	90	104	85	179
94	17	3	23	26	50	94	84	39
233	199	81	38	1022	81	6	688	286
29	10	342	0	13	20	85	41	7
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212	10	178	166	566	57	34	283	84
246	193	310	295	1008	258	866	963	1192
214	200	51	28	149	146	453	294	46
23	234	294	74	244	935	283	697	77
1	0	0	706	0	0	0	0	3
18	138	48	202	372	227	278	380	3
71	73	199	193	320	160	28	157	57
55	308	10	217	6	450	370	38	259
3	119	20	21	0	17	0	485	141
308	188	36	204	141	272	125	67	843
117	169	287	160	133	164	725	88	835
4	8	131	9	8	0	0	2	2
89	164	177	22	56	124	105	111	77
374	2250	818	1182	1655	879	2261	2016	5499
239	109	213	137	218	625	386	565	401
311	12	385	1	3	70	34	19	321
247	91	154	133	206	117	236	403	193
40	155	57	306	84	176	331	491	3
0	142	44	131	1	0	17	9	255
27	164	75	65	216	342	220	172	54
127	46	26	0	501	77	53	715	2
38	16	63	94	190	163	134	531	100
0	0	15	0	295	230	244	0	3
431	156	466	268	81	308	256	155	184
181	261	49	24	202	287	495	436	321
1	202	0	29	0	0	0	0	204
87	56	64	9	108	37	99	128	38
587	163	145	181	234	119	520	139	128
30	39	24	115	7	41	90	19	255
208	225	267	79	1	0	136	2	122
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120	110	64	195	121	100	89	7	178

637	86	112	71	54	158	216	42	6
212	21	100	41	215	475	407	168	292
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5	215	0	481	105	46	76	57	241
80	2	186	4	590	129	133	273	6
0	0	58	65	0	1	0	1	162
203	208	207	199	754	793	350	275	111
3	1	5	1	43	0	2	50	10
51	0	4	0	564	41	14	356	6
1	209	32	6	752	4031	3809	3	119
0	143	151	226	169	57	121	8	55
410	207	445	53	118	0	0	198	286
34	319	10	160	191	77	95	340	812
142	96	58	216	135	174	321	241	538
100	46	17	57	0	48	50	0	48
396	266	170	193	48	77	275	67	709
3	101	165	27	16	23	69	0	62
121	313	147	187	96	82	259	348	313
74	39	44	22	42	156	177	213	71
5	383	72	54	0	36	0	1271	435
8	81	45	48	34	126	91	36	0
33	10569	13	20	3	1	1	0	3
367	206	130	389	42	42	181	58	256
89	65	103	74	48	64	22	57	9
8	214	91	97	170	70	0	156	609
18	0	3	0	57	279	66	56	1
1	1	282	1	232	269	364	424	1
20	24	382	25	215	118	20	206	72
268	120	70	102	1	216	182	148	141
144	0	422	71	170	22	72	258	289
0	242	47	160	435	16	93	252	73
22	89	330	158	36	81	35	144	24
0	0	39	0	5	0	0	2	0
58	503	3265	851	1469	697	125	2	477
394	127	125	23	29	145	89	46	2
71	162	44	75	254	83	264	191	941
120	541	212	260	393	233	634	530	1379
1946	496	1586	1383	1218	1230	2127	1393	720
16	106	14	61	1	194	152	41	0
199	43	137	152	74	257	0	399	0
842	176	112	196	175	136	250	225	138
130	1	188	285	234	295	1	272	204
73	3	246	66	99	108	145	59	96
0	0	75	0	0	0	0	0	0
4	195	36	30	0	19	0	612	196
5	86	14	27	103	67	56	40	34
124	235	159	154	48	164	298	295	69
7	0	60	116	0	0	99	1	366
189	2	58	123	0	9	113	0	30
285	8	577	1	476	1192	1470	2809	1

0	75	6	50	22	21	33	309	26
0	1	39	1	95	1	2	265	1
3	280	44	14	0	145	98	14	16
0	19	0	5	0	0	0	0	160
56	181	40	58	174	55	191	132	662
101	109	83	42	168	220	98	156	280
0	6	28	37	0	0	0	0	23
23	27	10	25	24	12	34	9	15
57	65	21	67	23	0	98	128	121
223	201	241	91	113	142	429	435	46
1540	354	70	270	576	1059	1510	1177	1004
17	51	42	44	43	41	36	96	31
26	59	109	35	12	77	53	26	17
37	52	57	58	89	193	108	372	93
134	0	11	0	0	0	0	0	0
23378	32648	25071	19628	27806	30106	37488	37912	33635

77.R.WT.m	B13.R.are.r	SPF.495	111.NR.are
20	16	652	547
480	3	710	672
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1	0	58	0
148	99	113	140
63	39	40	128
19	17	7	0
42	18	20	105
555	406	38	370
169	5	6	1
371	34	15	207
1	7	148	24
143	185	21	282
69	152	84	169
42	78	147	147
32	15	119	41
33	90	0	86
206	237	63	71
1392	1041	282	0
493	5	0	0
324	326	162	184
133	189	25	111
1380	971	165	1
99	104	75	215
269	405	557	323
15	4	77	14
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3	0	235	16
44	143	26	9
2208	2239	12	35
186	134	206	94
1118	1139	157	599
88	0	68	51
118	71	72	57
94	17	108	1
204	125	137	9
15	1	51	0
120	355	448	115
973	268	4	1
449	76	195	0
575	126	138	67
3	21	2232	3463
110	0	124	114
1	40	376	40
0	6	76	339

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583	130	30	581
535	779	4	0
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367	77	46	46
312	430	62	510
106	275	40	13
145	4	28	119
0	1386	0	0
8	1	514	343
227	24	97	23
202	122	14	2
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95	77	93	52
72	35	1	39
31	120	90	52
0	6	122	61
85	56	8	11
174	37	362	109
267	129	732	381
651	635	42	135
113	91	111	638
0	0	0	0
175	400	109	826
28	25	115	43
64	315	40	950
55	288	25	7
86	207	323	149
310	12	246	243
97	2	24	0
90	329	91	45
889	1954	803	1372
316	652	281	428
83	1	102	4
221	303	94	154
256	450	126	183
10	76	18	0
65	66	25	234
0	0	15	56
254	102	108	242
0	0	425	48
357	155	205	42
164	389	181	244
0	339	0	0
31	44	66	90
187	172	213	327
220	34	77	2
156	121	270	0
264	354	107	606
54	86	181	10

489	212	113	157
72	77	124	539
220	144	5	0
345	497	12	155
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267	128	284	592
26	1	3	0
2	0	82	20
27	3	1822	1119
24	0	163	53
68	36	92	0
302	188	32	157
186	429	365	70
49	132	25	50
336	71	199	131
180	7	75	23
165	319	143	115
96	9	56	37
157	770	80	13
0	31	76	59
8273	6370	1622	0
312	99	81	14
24	22	151	20
331	312	38	13
0	0	24	41
0	0	390	22
7	121	187	112
393	368	282	263
90	0	343	168
79	0	40	72
63	343	167	38
0	0	34	0
1	2	1077	1795
136	115	113	81
298	186	25	135
265	570	221	347
871	6	1040	1527
78	0	8	33
129	1	214	0
264	134	8	292
190	0	233	125
108	38	152	68
0	0	322	0
72	414	19	11
113	313	18	124
103	148	239	0
107	3	124	8
162	0	81	98
61	3	951	133

37	0	60	41
0	0	66	0
24	162	22	9
0	21	0	0
211	136	18	116
143	47	66	293
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28	0	1	16
34	85	11	2
116	41	248	58
1236	603	191	517
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85	34	85	39
89	60	49	173
0	1	280	0
32259	29793	24497	25494

taxonomy

Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Rikenella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;acidifaciens;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Parabacteroides;distasonis;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Ruminococcus;gnavus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Butyricoccus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Odoribacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;

Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Defluviitaleaceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Butyricoccus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Ruminococcus;gnavus;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Odoribacter;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Anaerotruncus;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Blautia;
Bacteria;Firmicutes;Clostridia;Clostridiales;vadinBB60;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Marvinbryantia;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Tenericutes;Mollicutes;Anaeroplasmatales;Anaeroplasmataceae;Anaeroplasma;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Proteobacteria;Deltaproteobacteria;Desulfovibrionales;Desulfovibrionaceae;Desulfovibrio;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;

Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Bacteroidetes;Bacteroidia;Bacteroidales;Rikenellaceae;Alistipes;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Oscillospira;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;
Bacteria;Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;