Type of file: table
Label: Table 2
Filename: 3006438s2.xls

PhyloChip	Taxonomic classification (class, family, genus)	GenBank ID of r
71462	c__Erysipelotrichi, f__Erysipelotrichaceae, g__unclassified	DQ353903.1
46526	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ017162.1
16306	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Anaerobiospirillum	EF428122.1
5103	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella	FJ811859.1
6618	c__Gammaproteobacteria, f__Pasteurellaceae, g__Aggregatibacter	AF224299.1
47666	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ001688.1
48065	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ073819.1
46718	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	AE015929.1
1758	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	FN377708.1
6235	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Salmonella	AF170176.1
46102	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	X86636.1
5496	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Shigella	AY098487.1
5584	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Trabulsiella	EU030438.1
4708	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	EU471308.1
6739	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified	EU841485.1
45900	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU428955.1
5025	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	EU031768.1
9289	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ059929.1
46559	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ022328.1
46110	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ044635.1
7100	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus	EU930345.1
5125	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella	U88438.1
46568	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ039987.1
5325	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella	U88437.1
5982	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Escherichia	EU472197.1
47503	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ111101.1
2550	c__Gammaproteobacteria, f__Thiotrichaceae, g__Leucothrix	EU617742.1
6411	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	FJ939592.1
54016	c__Epsilonproteobacteria, f__Campylobacteraceae, g__Campylobacter	GQ167658.1
811	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	AY040230.1
5576	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	DQ833334.1
46240	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU834244.1
4761	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	AE005174.2
5614	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Buttiauxella	AJ293687.1
6940	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	DQ229007.1
47774	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ051586.1
14773	c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia	FJ191398.1
47660	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU071606.1
47135	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ039696.1
5628	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	AF181574.1

7089	c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella	AY299316.1
48202	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	X75944.1
6290	c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella	AY299315.1
47650	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	AM157417.1
2625	c__Gammaproteobacteria, f__Halomonadaceae, g__Candidatus Portiera	EU805263.1
4144	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia	NR_027543.1
47306	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU834240.1
46071	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ058299.1
47761	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ058466.1
7572	c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia	AY425282.1
1645	c__Gammaproteobacteria, f__Idiomarinaceae, g__Idiomarina	EU603445.1
5504	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	GQ101981.1
48036	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ020648.1
47120	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	AY953148.1
47303	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ050507.1
1869	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	DQ492719.1
5755	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	GQ154944.1
7388	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	FJ940825.1
46896	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ109912.1
60991	c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingomonas	FN421485.1
6452	c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia	AF224287.1
48	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Marinomonas	EU188447.1
7014	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	AF418218.1
7255	c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella	EF579842.1
4905	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	DQ112330.1
47345	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	CP000029.1
7309	c__Gammaproteobacteria, f__Aeromonadaceae, g__Oceanimonas	AY562194.1
6349	c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia	NR_024897.1
6300	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185365.1
2297	c__Gammaproteobacteria, f__Idiomarinaceae, g__Idiomarina	NR_027560.1
7052	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AF268948.1
5827	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	GQ154965.1
46761	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ051884.1
6799	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AF224295.1
5061	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	EU240959.1
7376	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	GQ072607.1
9111	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ105319.1
7594	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AF247722.1
7090	c__Gammaproteobacteria, f__unclassified, g__sfD	GQ062191.1
6482	c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella	AY299319.1
7265	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	DQ113707.1

6734	c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia	DQ301926.2
15460	c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia	FJ191397.1
16329	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ684018.1
5476	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Leclercia	EF429005.1
6779	c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella	NC_009092.1
9450	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ007474.1
5683	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ154748.1
7178	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	FJ435959.1
15635	c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia	AY646884.1
4906	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ155784.1
6538	c__Gammaproteobacteria, f__Chromatiaceae, g__Rheinheimera	GQ240227.1
4991	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	ABHO01000021.
131	c__Gammaproteobacteria, f__Colwelliaceae, g__Colwellia	AY167340.1
6738	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus	DQ826507.1
1548	c__Gammaproteobacteria, f__Oceanospirillaceae, g__unclassified	DQ206422.1
6461	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	FJ799903.2
6287	c__Gammaproteobacteria, f__Aeromonadaceae, g__unclassified	EU569287.1
3768	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	DQ459316.1
47051	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	FJ481960.1
72172	c__Fusobacteria, f__Fusobacteriaceae, g__Fusobacterium	NZ_ACET010000
5286	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	EU471154.1
7214	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	EF173406.1
4497	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	GQ009455.1
7374	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU137565.1
6467	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AF268965.1
16198	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ685189.1
46462	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ055167.1
1441	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	AF144036.1
603	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	EF178445.1
46033	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ053281.1
61356	c__Alphaproteobacteria, f__Erythrobacteraceae, g__unclassified	DQ497759.1
7161	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AF268962.1
6731	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ116263.1
48066	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU807758.1
6477	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ087742.1
833	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	AY621063.1
47462	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ110699.1
45988	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ304781.1
4847	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	EF489443.1
47185	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ078552.1
46999	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ001978.1

46607	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ058303.1
7532	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	FJ558391.1
3587	c__Gammaproteobacteria, f__SUP05, g__unclassified	GQ345712.1
169	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	DQ005864.1
46308	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ068435.1
5075	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	AY501386.1
47449	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	AM157439.1
7287	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU909656.1
7270	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AF268945.1
1024	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified	EU583725.1
7384	c__Gammaproteobacteria, f__Pasteurellaceae, g__Gallibacterium	AY038591.1
47663	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ044203.1
6331	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	FJ558112.1
7279	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	DQ228998.1
46682	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ002194.1
46834	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ053179.1
45928	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ074249.1
4074	c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter	AM412164.1
7585	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	EF396307.1
47263	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ002279.1
60659	c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingobium	AJ000918.2
16973	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ683157.1
5806	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Salmonella	EU014682.1
7495	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	AY362922.1
2060	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	GU377179.1
6625	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	EU746660.2
47225	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ043102.1
46367	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ022602.1
1113	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	U70977.1
6586	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	EF396305.1
6919	c__Gammaproteobacteria, f__Pasteurellaceae, g__Bibersteinia	AF227862.1
39	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	AY738649.1
47872	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ107903.1
16500	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ684508.1
6827	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ087761.1
47643	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ053754.1
6084	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Citrobacter	GQ154907.1
7409	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus	Z76744.1
16631	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ680565.1
46251	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ087019.1
5983	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	AB288903.1

1327	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	GQ404505.1
6658	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ114305.1
6382	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185346.1
16437	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ683575.1
7141	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	EU517633.1
4548	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ154733.1
7164	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ083015.1
47480	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ099584.1
6764	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ091843.1
52	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Oleispira	AJ426421.1
7390	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ113941.1
17027	c__Gammaproteobacteria, f__Xanthomonadaceae, g__unclassified	GQ009333.1
57191	c__Gammaproteobacteria, f__Halomonadaceae, g__Cobetia	AM110925.1
7124	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	FJ960217.1
7077	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	DQ666548.1
46600	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ014295.1
47551	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ025699.1
46360	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	FJ999931.1
76472	c__TM7-3, f__unclassified, g__sfA	GQ009422.1
6608	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185362.1
6869	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	X87978.1
3497	c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter	FJ373029.1
57283	c__Gammaproteobacteria, f__Halomonadaceae, g__Chromohalobacter	AY373448.1
15760	c__Betaproteobacteria, f__Burkholderiaceae, g__Cupriavidus	AM905275.1
46940	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ039665.1
7441	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	EU854864.1
6781	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185482.1
7850	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ037524.1
46334	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ056314.1
6805	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185421.1
4295	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella	FM209488.1
6001	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Erwinia	AB480775.1
6342	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	DQ229009.1
46263	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ039873.1
16988	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ672134.1
1266	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Oleibacter	AB435650.1
6978	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185473.1
7459	c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia	U57070.1
4911	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	DQ068872.1
3870	c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter	EU240445.1
54212	c__Epsilonproteobacteria, f__Campylobacteraceae, g__Campylobacter	AF550641.1

7166	c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia	DQ301927.2
5362	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	AM696788.1
7515	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	AF468056.1
5680	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	AF394537.1
47700	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ039778.1
4084	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	FJ675280.1
4496	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	AM184307.1
46466	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	AY030317.1
4178	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	EF515255.1
4325	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ154831.1
7455	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	AF224304.1
48189	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ037885.1
10430	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ023920.1
3855	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	AY835998.1
7363	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	AY911392.1
10397	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ039204.1
16172	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ679295.1
17379	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ679188.1
5222	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Dickeya	AF520711.2
7037	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	EU700096.1
8412	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ102502.1
57144	c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas	GU001886.1
5255	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ154979.1
7584	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus	FJ581028.1
879	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Marinomonas	DQ517876.1
16902	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ673289.1
2199	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	NC_008027.1
8513	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ023667.1
8585	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ102872.1
9853	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ060123.1
7099	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus	DQ885257.1
1301	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	AB361588.1
4357	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia	U63135.1
7404	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	FJ437063.1
54070	c__Epsilonproteobacteria, f__Helicobacteraceae, g__unclassified	GU390848.1
456	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	DQ517879.1
6475	c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella	NC_011566.1
9730	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ024732.1
7075	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185485.1
46515	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ035708.1
6682	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU185484.1

6190	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	EU024350.1
47327	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ000155.1
47130	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ055561.1
2474	c__Gammaproteobacteria, f__Xanthomonadaceae, g__unclassified	FJ598363.1
15951	c__Gammaproteobacteria, f__Xanthomonadaceae, g__Stenotrophomonas	AF511522.1
8341	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ114506.1
1256	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	AY907566.1
4054	c__Gammaproteobacteria, f__Piscirickettsiaceae, g__Thiomicrospira	DQ270607.1
5315	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	GQ154883.1
1788	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	DQ095914.1
6126	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Leclercia	GQ856082.1
4731	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Ewingella	EU678359.1
17217	c__Gammaproteobacteria, f__Xanthomonadaceae, g__Xanthomonas	AY576645.1
7051	c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella	FJ169987.1
5365	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	FJ405332.1
14436	c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria	GU233442.1
5472	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	CP001891.1
47152	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ038824.1
46361	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	L37600.1
46074	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	NC_007168.1
46391	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU867337.1
61144	c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingomonas	AB167382.1
4099	c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter	DQ144736.1
6600	c__Gammaproteobacteria, f__Pasteurellaceae, g__Volucribacter	NR_025724.1
10277	c__Betaproteobacteria, f__Comamonadaceae, g__unclassified	GQ022440.1
6660	c__Gammaproteobacteria, f__Pasteurellaceae, g__Bibersteinia	DQ841185.1
8583	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ008229.1
1697	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified	AB040466.1
14923	c__Betaproteobacteria, f__Burkholderiaceae, g__Burkholderia	AB366334.1
1576	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoaltero	DQ492753.1
16364	c__Gammaproteobacteria, f__Succinivibrionaceae, g__unclassified	FJ832419.1
6626	c__Gammaproteobacteria, f__Pasteurellaceae, g__Volucribacter	AY216870.1
5463	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	AM696779.1
46929	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ041900.1
46691	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	X66100.1
48089	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EF522132.1
7570	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	EU909680.1
4420	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ154902.1
4908	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Leclercia	AJ277978.1
61060	c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingomonas	AF331660.1
47473	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ087046.1

4297	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	AB099407.1
2526	c__Gammaproteobacteria, f__Halomonadaceae, g__Candidatus Portiera	EF572462.1
5643	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	DQ356903.1
4443	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	AM696807.1
6525	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	FJ558093.1
4371	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ154786.1
9650	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ065139.1
7345	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	AF468055.1
6848	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	AY465363.1
47676	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU379301.1
48006	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	FJ380952.1
54236	c__Planctomycea, f__Planctomycetaceae, g__unclassified	GQ246448.1
38339	c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium	DQ058407.1
5237	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia	DQ486901.1
47478	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ058580.1
9619	c__Betaproteobacteria, f__Comamonadaceae, g__Verminephrobacter	NC_008786.1
4349	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	EF057396.1
16873	c__Gammaproteobacteria, f__Succinivibrionaceae, g__unclassified	FJ832403.1
37178	c__Actinobacteria, f__Corynebacteriaceae, g__Corynebacterium	GQ086494.1
4673	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella	FJ222589.1
8618	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ021635.1
5294	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	AM696780.1
46828	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ037007.1
6584	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	AY900170.1
2152	c__Gammaproteobacteria, f__Methylococcaceae, g__Methylobacter	FJ712444.1
6514	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	AJ223180.1
46405	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ001867.1
46448	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	X75943.1
47424	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU861985.1
6674	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ074383.1
28332	c__Clostridia, f__Lachnospiraceae, g__unclassified	AF371809.1
14749	c__Betaproteobacteria, f__Alcaligenaceae, g__Oligella	AF227163.1
6497	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	AF157690.1
5943	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	AM933757.1
7065	c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia	U57072.1
9134	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ096593.1
9371	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ092699.1
7184	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	DQ539497.1
46608	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ031690.1
56460	c__Deltaproteobacteria, f__Desulfovibrionaceae, g__Desulfovibrio	U53462.1
16050	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Anaerobiospirillum	NR_026075.1

7177	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	EU348312.1
4081	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	AB125366.1
8111	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ008754.1
6485	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	GQ860945.2
14930	c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria	AF398309.1
16919	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ679155.1
46557	c__Bacilli, f__Bacillaceae, g__Bacillus	EU817577.1
6501	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus	AY278669.1
7256	c__Gammaproteobacteria, f__Chromatiaceae, g__Rheinheimera	AY701891.1
46845	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ045883.1
57407	c__Deltaproteobacteria, f__Nitrospinaceae, g__unclassified	AF543496.1
8883	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ075411.1
48027	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ055813.1
357	c__Gammaproteobacteria, f__Idiomarinaceae, g__unclassified	EF554896.1
6760	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	FJ940839.1
45905	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ052971.1
48191	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	AY308046.1
47636	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ042014.1
1643	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	DQ073452.1
305	c__Gammaproteobacteria, f__OM60, g__Congregibacter	EU161717.1
10258	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ107072.1
15049	c__Betaproteobacteria, f__unclassified, g__sfA	GQ263997.1
47254	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ022384.1
16876	c__Gammaproteobacteria, f__Xanthomonadaceae, g__Stenotrophomonas	FJ950659.1
57559	c__Deltaproteobacteria, f__Desulfovibrionaceae, g__LE30	EU468458.1
46083	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ046433.1
16312	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ681105.1
46516	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ081341.1
4942	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	GU374107.1
2924	c__Gammaproteobacteria, f__Endoecteinascidiaceae, g__unclassified	GQ346935.1
9204	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ038656.1
47564	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ089568.1
7291	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus	AB079370.1
8108	c__Betaproteobacteria, f__Comamonadaceae, g__unclassified	GQ023840.1
46081	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ085695.1
37008	c__Actinobacteria, f__Corynebacteriaceae, g__Corynebacterium	GQ065095.1
9120	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ102394.1
8355	c__Betaproteobacteria, f__Comamonadaceae, g__Ramlibacter	DQ354711.1
1991	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	AF297959.1
47357	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	FJ380961.1
10304	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ024723.1

6510	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	EU854927.1
7048	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	DQ856554.1
4133	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	FJ975874.1
48200	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	FJ380980.1
47862	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ081762.1
5424	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	AF130981.1
7479	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Candidatus Regiella	DQ228285.1
3443	c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter	FM177774.1
14341	c__Betaproteobacteria, f__Oxalobacteraceae, g__unclassified	AY177773.1
6801	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	FJ176463.1
6797	c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella	AY485224.1
4230	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Pantoea	DQ365569.1
263	c__Gammaproteobacteria, f__Alteromonadaceae, g__Marinobacter	EU718223.1
1072	c__Gammaproteobacteria, f__Celerinatantimonadaceae, g__Celerinatanti	DQ913886.1
14454	c__Betaproteobacteria, f__Oxalobacteraceae, g__unclassified	AB487490.1
6502	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	GQ074659.1
7428	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AY362898.1
6391	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Providencia	AJ301684.1
56810	c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas	FJ607360.1
47361	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ058444.1
40876	c__Actinobacteria, f__Micrococcaceae, g__Arthrobacter	EU466431.1
7212	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Xenorhabdus	DQ205453.1
5709	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia	EF179130.1
6319	c__Gammaproteobacteria, f__Aeromonadaceae, g__Zobellella	DQ195676.1
59331	c__Alphaproteobacteria, f__Methylobacteriaceae, g__Methylobacterium	AJ635303.1
6433	c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus	GQ091882.1
4998	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella	GQ155370.1
6396	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	DQ079634.1
8963	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ115371.1
15869	c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria	AF409941.1
16374	c__Betaproteobacteria, f__Rhodocyclaceae, g__unclassified	FJ823914.1
58933	c__Alphaproteobacteria, f__Hyphomicrobiaceae, g__unclassified	AB240517.1
46003	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ111550.1
58980	c__Alphaproteobacteria, f__Caulobacteraceae, g__unclassified	D49422.1
46535	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ112114.1
5960	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella	GQ154749.1
9517	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ096742.1
562	c__Gammaproteobacteria, f__Alteromonadaceae, g__Cellvibrio	NC_010995.1
1133	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	U85855.1
46766	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ038366.1
5686	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	EU196322.1

46957	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ001887.1
16116	c__Betaproteobacteria, f__Hydrogenophilaceae, g__Thiobacillus	EU662520.1
9063	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ023122.1
583	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified	GQ495024.1
16696	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ679041.1
40818	c__Actinobacteria, f__Bogoriellaceae, g__Georgenia	EF601725.1
2281	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	AF284764.1
960	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified	EU714266.1
71589	c__Erysipelotrichi, f__Erysipelotrichaceae, g__Allobaculum	DQ113686.1
53812	c__Synechococcophycideae, f__Synechococcaceae, g__Prochlorococcus	FJ382144.1
5050	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Ewingella	U29438.1
42833	c__Bacilli, f__Planococcaceae, g__Sporosarcina	EU308121.1
45921	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GU354324.1
6901	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Morganella	GU166185.1
16863	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ676809.1
7551	c__Gammaproteobacteria, f__Chromatiaceae, g__Rheinheimera	GU108532.1
8143	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ103594.1
48039	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ097877.1
7319	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Xenorhabdus	D78007.1
1114	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	EF673282.1
71530	c__Erysipelotrichi, f__Erysipelotrichaceae, g__CM970	DQ440561.1
1998	c__Gammaproteobacteria, f__Methylococcaceae, g__Methylobacter	FJ712568.1
15425	c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia	FJ821603.1
6632	c__Gammaproteobacteria, f__Psychromonadaceae, g__Psychromonas	U85849.1
6824	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Arsenophonus	AY265348.1
58876	c__Deltaproteobacteria, f__Desulfuromonadaceae, g__unclassified	AF458286.1
46545	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ058573.1
6489	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	AY911396.1
6874	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Candidatus Regiella	AY136152.1
53517	c__Deltaproteobacteria, f__Bdellovibrionaceae, g__Bdellovibrio	AY294215.1
46009	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ084154.1
405	c__Gammaproteobacteria, f__Alteromonadaceae, g__Marinobacter	AF238495.1
9426	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ024561.1
1349	c__Gammaproteobacteria, f__OM60, g__unclassified	EF379800.1
7464	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	AM262150.1
6871	c__Gammaproteobacteria, f__Pasteurellaceae, g__Gallibacterium	EU339196.1
47544	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ018083.1
60848	c__Alphaproteobacteria, f__Rhizobiaceae, g__Agrobacterium	FN640463.1
15744	c__Betaproteobacteria, f__Neisseriaceae, g__unclassified	DQ006842.1
46830	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ051878.1
6751	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus	EU930336.1

1534	c__Gammaproteobacteria, f__OM60, g__unclassified	EU491047.1
16177	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ681318.1
7499	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Baumannia	AY676877.1
46695	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ108680.1
543	c__Gammaproteobacteria, f__J115, g__unclassified	FJ889619.1
6064	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia	AAYV01000006.
16525	c__Betaproteobacteria, f__Rhodocyclaceae, g__unclassified	EF648064.1
41480	c__Actinobacteria, f__Microbacteriaceae, g__unclassified	EF466124.1
15923	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio	FJ684530.1
6270	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus	AY280573.1
14872	c__Betaproteobacteria, f__Oxalobacteraceae, g__unclassified	DQ490985.1
46586	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	EU379246.1
3319	c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter	AJ275039.1
61701	c__Alphaproteobacteria, f__Rhodobacteraceae, g__unclassified	EF123343.1
35865	c__Actinobacteria, f__Corynebacteriaceae, g__Corynebacterium	GQ080874.1
16083	c__Gammaproteobacteria, f__Xanthomonadaceae, g__Stenotrophomonas	DQ424865.1
57132	c__Deltaproteobacteria, f__unclassified, g__sfA	AF154103.1
48174	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ114342.1
7398	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	AF487729.1
6296	c__Gammaproteobacteria, f__Moritellaceae, g__Moritella	AY700605.1
6767	c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella	FJ210800.1
1442	c__Gammaproteobacteria, f__Chromatiaceae, g__unclassified	DQ394966.1
61557	c__Alphaproteobacteria, f__Nordellaceae, g__Nordella	GQ500812.1
953	c__Gammaproteobacteria, f__Oleiphilaceae, g__unclassified	EF067910.1
16814	c__Gammaproteobacteria, f__Succinivibrionaceae, g__Anaerobiospirillum	GQ867410.1
16671	c__Betaproteobacteria, f__Methylophilaceae, g__unclassified	EU037912.1
60109	c__Alphaproteobacteria, f__Hyphomicrobiaceae, g__unclassified	EU246798.1
4513	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Averyella	DQ068917.1
7157	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	GQ262778.1
15723	c__Betaproteobacteria, f__Hydrogenophilaceae, g__unclassified	FJ517027.1
2814	c__Gammaproteobacteria, f__Legionellaceae, g__unclassified	GQ472814.1
5043	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	AM696754.1
9188	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ092820.1
7324	c__Gammaproteobacteria, f__Moritellaceae, g__Moritella	AJ252023.2
4434	c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified	AJ010486.1
1205	c__Gammaproteobacteria, f__Alteromonadaceae, g__Candidatus Endobu	AF006606.2
37996	c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium	AF480577.1
50392	c__Bacilli, f__Paenibacillaceae, g__Paenibacillus	AM745265.1
569	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	DQ279335.1
7961	c__Betaproteobacteria, f__Comamonadaceae, g__unclassified	GQ019127.1
6521	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Sodalis	AB303383.1

14576	c__Betaproteobacteria, f__Alcaligenaceae, g__unclassified	GQ254282.1
320	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	AF494092.1
16436	c__Betaproteobacteria, f__Rhodocyclaceae, g__Thauera	AJ853609.1
14940	c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria	AJ239315.1
27320	c__Clostridia, f__Lachnospiraceae, g__Epulopiscium	M99573.1
3460	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	FJ169986.1
60812	c__Alphaproteobacteria, f__Sphingomonadaceae, g__Novosphingobium	FJ801188.1
8804	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ038073.1
17341	c__Betaproteobacteria, f__Rhodocyclaceae, g__unclassified	FJ823940.1
37950	c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium	EF551408.1
61616	c__Alphaproteobacteria, f__Rhizobiaceae, g__Rhizobium	EU399916.1
2920	c__Gammaproteobacteria, f__Chromatiaceae, g__unclassified	EU236358.1
46944	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	AP006716.1
1727	c__Gammaproteobacteria, f__Ectothiorhodospiraceae, g__unclassified	EU735681.1
14646	c__Betaproteobacteria, f__Neisseriaceae, g__Conchiformibius	GQ114060.1
47691	c__Bacilli, f__Bacillaceae, g__Virgibacillus	DQ664543.1
16638	c__Betaproteobacteria, f__Rhodocyclaceae, g__Thauera	X68491.1
2979	c__Gammaproteobacteria, f__Halomonadaceae, g__Candidatus Portiera	AY266096.1
9056	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ000354.1
16953	c__Betaproteobacteria, f__Methylophilaceae, g__unclassified	AY792265.1
14481	c__Betaproteobacteria, f__Alcaligenaceae, g__Castellaniella	AJ005447.1
7062	c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas	EU488685.1
2875	c__Gammaproteobacteria, f__Moraxellaceae, g__Moraxella	AF005187.1
1791	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	AY646432.1
9937	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ099485.1
37480	c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium	X79292.1
37487	c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium	DQ866764.1
4589	c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia	DQ321559.1
47155	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ065910.1
15346	c__Betaproteobacteria, f__Neisseriaceae, g__unclassified	GQ068812.1
47477	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ058818.1
6453	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	EF199917.1
61958	c__Alphaproteobacteria, f__Rhizobiaceae, g__Agrobacterium	EU295450.1
70711	c__Clostridia, f__Clostridiales Family XI. Incertae Sedis, g__Anaerococcus	GQ041827.1
452	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified	EU188189.1
60879	c__Alphaproteobacteria, f__Sphingomonadaceae, g__Novosphingobium	FM872861.1
46414	c__Bacilli, f__Bacillaceae, g__Oceanobacillus	AB366005.1
6649	c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio	FJ594056.1
7885	c__Betaproteobacteria, f__Comamonadaceae, g__unclassified	GQ059902.1
47782	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ022284.1
57592	c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas	AY035894.1

47054	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ022494.1
73776	c__Alphaproteobacteria, f__Pelagibacteraceae, g__Candidatus Pelagibacte	GU061335.1
45968	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ039744.1
46894	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ078842.1
17314	c__Gammaproteobacteria, f__Xanthomonadaceae, g__unclassified	EF492981.1
15810	c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria	AJ239312.1
3818	c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter	FJ672730.1
45946	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ047355.1
72993	c__Bacilli, f__Leuconostocaceae, g__Weissella	FJ263453.1
9129	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ008262.1
53280	c__Oscillatoriophycideae, f__Phormidiaceae, g__Phormidium	AY493600.1
9403	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ021818.1
40421	c__Actinobacteria, f__Micrococcaceae, g__Micrococcus	EU071593.1
48604	c__Clostridia, f__Peptococcaceae, g__Desulfitobacterium	AF297871.1
1408	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalterc	AM111086.1
46665	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	D83364.1
15879	c__Betaproteobacteria, f__Nitrosomonadaceae, g__Nitrosovibrio	AY123800.1
6680	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	EU681998.1
57365	c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas	DQ458819.1
47791	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ047608.1
50020	c__Clostridia, f__Veillonellaceae, g__unclassified	AF407698.1
46451	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ110105.1
9986	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ024915.1
8266	c__Betaproteobacteria, f__Comamonadaceae, g__unclassified	GQ023964.1
48090	c__Bacilli, f__Bacillaceae, g__Bacillus	DQ079008.1
6557	c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella	AB205568.1
61256	c__Alphaproteobacteria, f__Hyphomicrobiaceae, g__Devosia	GQ263858.1
57353	c__Deltaproteobacteria, f__Desulfobacteraceae, g__unclassified	EF688206.1
10261	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ023888.1
37619	c__Actinobacteria, f__Actinosynnemataceae, g__Actinokineospora	EU570742.1
7862	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ084664.1
170	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas	NC_008027.1
46576	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ054854.1
46714	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ042092.1
17022	c__Betaproteobacteria, f__Burkholderiaceae, g__unclassified	EU727457.1
2403	c__Gammaproteobacteria, f__Sedimenticolaceae, g__Sedimenticola	U77478.1
15111	c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria	AF146369.1
43530	c__Bacilli, f__Bacillaceae, g__Bacillus	DQ129483.1
15953	c__Betaproteobacteria, f__Rhodocyclaceae, g__Dechloromonas	FJ535057.1
48109	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ041471.1
7419	c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus	AF015299.1

3074	c__Gammaproteobacteria, f__Acidithiobacillaceae, g__Acidithiobacillus	EU084698.1
8401	c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter	GQ007295.1
41947	c__Actinobacteria, f__unclassified, g__sfA	AB486164.1
50292	c__Bacilli, f__Paenibacillaceae, g__Paenibacillus	EF190498.1
7057	c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified	AY362907.1
46318	c__Bacilli, f__Staphylococcaceae, g__Staphylococcus	GQ072395.1
21547	c__Clostridia, f__Lachnospiraceae, g__Blautia	FJ370160.1
69090	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AY975458.1
28293	c__Clostridia, f__Lachnospiraceae, g__unclassified	AY991724.1
24021	c__Clostridia, f__Lachnospiraceae, g__Clostridium	AM932611.1
66849	c__Sphingobacteria, f__Sphingobacteriaceae, g__Pedobacter	EU057838.1
21597	c__Clostridia, f__Lachnospiraceae, g__Blautia	EF399220.1
21583	c__Clostridia, f__Lachnospiraceae, g__Blautia	FJ362616.1
68841	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	GQ492136.1
21309	c__Clostridia, f__Lachnospiraceae, g__unclassified	FJ978523.1
68549	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU136688.1
22550	c__Clostridia, f__Ruminococcaceae, g__unclassified	FJ881171.1
18198	c__Clostridia, f__Lachnospiraceae, g__Ruminococcus	DQ804129.1
69156	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU470170.1
20504	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	DQ796228.1
68593	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU358743.1
68985	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU771501.1
69717	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AY992841.1
69335	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	GQ347687.1
68713	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AB050108.1
66373	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	FJ269080.1
68801	c__Bacteroidia, f__Porphyromonadaceae, g__Candidatus Azobacteroides	AB231049.1
69349	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AY547271.1
65994	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU662616.1
28129	c__Clostridia, f__Lachnospiraceae, g__unclassified	DQ326577.1
65246	c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium	AB024308.1
68778	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU764895.1
69448	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	AB192156.1
69504	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU773072.1
68909	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EF604959.1
68504	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AF227834.1
66580	c__Flavobacteria, f__Cryomorphaceae, g__unclassified	AF521195.1
19544	c__Clostridia, f__Lachnospiraceae, g__unclassified	DQ794722.1
68078	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EF604853.1
69868	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	EU452427.1
68820	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	X89217.1

16997	c__Betaproteobacteria, f__Comamonadaceae, g__Comamonas	AJ606336.1
68584	c__Bacteroidia, f__Porphyromonadaceae, g__unclassified	GQ052715.1
69274	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU779085.1
68463	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AY978878.1
69014	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU767635.1
69268	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	AB299527.1
69079	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	FJ368826.1
69502	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AY974072.1
69476	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AJ518876.1
68554	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	GQ492318.1

Gene ID		Gene
68801	c__Bacteroidia, f__Porphyromonadaceae, g__Candidatus Azobacteroides	AB231049.1
65246	c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium	AB024308.1
68985	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU771501.1
69504	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU773072.1
22550	c__Clostridia, f__Ruminococcaceae, g__unclassified	FJ881171.1
66373	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	FJ269080.1
20504	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	DQ796228.1
69502	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AY974072.1
65994	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU662616.1
66580	c__Flavobacteria, f__Cryomorphaceae, g__unclassified	AF521195.1
69448	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	AB192156.1
69014	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU767635.1
21583	c__Clostridia, f__Lachnospiraceae, g__Blautia	FJ362616.1
68584	c__Bacteroidia, f__Porphyromonadaceae, g__unclassified	GQ052715.1
21597	c__Clostridia, f__Lachnospiraceae, g__Blautia	EF399220.1
66849	c__Sphingobacteria, f__Sphingobacteriaceae, g__Pedobacter	EU057838.1
68078	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EF604853.1
181	c__Gammaproteobacteria, f__Alteromonadaceae, g__Marinobacter	NR_027192.1
69156	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU470170.1
68713	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AB050108.1
68554	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	GQ492318.1
68463	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AY978878.1
68504	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AF227834.1
19544	c__Clostridia, f__Lachnospiraceae, g__unclassified	DQ794722.1
16997	c__Betaproteobacteria, f__Comamonadaceae, g__Comamonas	AJ606336.1
28129	c__Clostridia, f__Lachnospiraceae, g__unclassified	DQ326577.1
69476	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AJ518876.1
69335	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	GQ347687.1
69274	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU779085.1
69268	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	AB299527.1
21547	c__Clostridia, f__Lachnospiraceae, g__Blautia	FJ370160.1
69090	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AY975458.1
69868	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	EU452427.1
69079	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	FJ368826.1
69349	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AY547271.1
68909	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EF604959.1
68593	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU358743.1
68841	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	GQ492136.1

28293	c__Clostridia, f__Lachnospiraceae, g__unclassified	AY991724.1
68820	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	X89217.1
68778	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU764895.1
21309	c__Clostridia, f__Lachnospiraceae, g__unclassified	FJ978523.1
18198	c__Clostridia, f__Lachnospiraceae, g__Ruminococcus	DQ804129.1
24021	c__Clostridia, f__Lachnospiraceae, g__Clostridium	AM932611.1
69717	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	AY992841.1
68549	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU136688.1
64122	c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium	GU138380.1
16882	c__Betaproteobacteria, f__Neisseriaceae, g__Chromobacterium	AE016825.1
19697	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	EU763087.1
18228	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU844476.1
69064	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU622718.1
63235	c__Flavobacteria, f__Flavobacteriaceae, g__unclassified	GQ036826.1
69292	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	EF098147.1
66068	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	GQ377114.1
70341	c__Clostridia, f__Lachnospiraceae, g__unclassified	GQ175404.1
13598	c__Betaproteobacteria, f__Aquabacteriaceae, g__Aquabacterium	GQ102260.1
63674	c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium	AJ871397.1
69297	c__Bacteroidia, f__Porphyromonadaceae, g__Parabacteroides	AB470345.1
14901	c__Betaproteobacteria, f__Alcaligenaceae, g__Achromobacter	AF205370.1
21255	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU774799.1
69436	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU245277.1
68147	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EF099380.1
63359	c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium	EF591302.1
19431	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	DQ798564.1
69047	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU763065.1
50486	c__Clostridia, f__Veillonellaceae, g__Desulfosporomusa	AM158322.1
68640	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU655886.1
71658	c__Erysipelotrichi, f__Erysipelotrichaceae, g__Clostridium	FJ371039.1
18125	c__Clostridia, f__Lachnospiraceae, g__Roseburia	AF371611.1
69013	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	FJ978484.1
68625	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	FJ672191.1
68850	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU768196.1
69104	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AY982129.1
50307	c__Actinobacteria, f__Coriobacteriaceae, g__unclassified	AY160874.1
19281	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU467357.1
9011	c__Betaproteobacteria, f__Comamonadaceae, g__Rhodoferax	EU801480.1
68469	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AY895194.1
20045	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	AY981351.1

17848	c__Clostridia, f__Lachnospiraceae, g__unclassified	AM932637.1
68556	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AB437413.1
68605	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU764442.1
63824	c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium	EU869190.1
68632	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU766112.1
68611	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU766509.1
20263	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	DQ798687.1
69456	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	DQ798086.1
19807	c__Clostridia, f__Lachnospiraceae, g__Ruminococcus	DQ326730.1
13942	c__Betaproteobacteria, f__Comamonadaceae, g__unclassified	AY212570.1
19471	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	DQ801445.1
27918	c__Clostridia, f__Lachnospiraceae, g__Clostridium	AJ576348.1
69704	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	EU452946.1
58187	c__Clostridia, f__unclassified, g__sfA	DQ125547.1
68232	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	AF153865.1
52027	c__Anaerolineae, f__Anaerolinaceae, g__S0208	FJ478819.1
65889	c__Flavobacteria, f__Flavobacteriaceae, g__unclassified	EU328015.1
26947	c__Clostridia, f__Ruminococcaceae, g__unclassified	EU773500.1
68832	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU722740.1
71621	c__Erysipelotrichi, f__Erysipelotrichaceae, g__Clostridium	AY975735.1
69365	c__Clostridia, f__Catabacteriaceae, g__unclassified	EF604609.1
69310	c__Bacteroidia, f__Rikenellaceae, g__Alistipes	EU456567.1
68855	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	AB510697.1
15534	c__Betaproteobacteria, f__Alcaligenaceae, g__Sutterella	FJ368987.1
65896	c__Flavobacteria, f__Flavobacteriaceae, g__Capnocytophaga	AY643076.1
21452	c__Clostridia, f__Lachnospiraceae, g__Blautia	DQ804486.1
68466	c__Bacteroidia, f__Rikenellaceae, g__unclassified	EF097211.1
65570	c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium	DQ394928.1
17526	c__Clostridia, f__Lachnospiraceae, g__Lachnobacterium	DQ797186.1
69577	c__Bacteroidia, f__Marinilabiaceae, g__unclassified	FJ716917.1
69215	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	GQ493546.1
69360	c__Bacteroidia, f__Porphyromonadaceae, g__unclassified	CU926773.1
66916	c__Sphingobacteria, f__Sphingobacteriaceae, g__Pedobacter	FN421692.1
71612	c__Erysipelotrichi, f__Erysipelotrichaceae, g__Clostridium	EF071177.1
13012	c__Betaproteobacteria, f__Comamonadaceae, g__Roseateles	EU714912.1
43977	c__Actinobacteria, f__AKIW874, g__unclassified	AM935924.1
68607	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU765106.1
27155	c__Clostridia, f__Ruminococcaceae, g__Ruminococcus	DQ777945.1
28205	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU776501.1
17114	c__Betaproteobacteria, f__Rhodocyclaceae, g__Azoarcus	L33689.1
71308	c__Erysipelotrichi, f__Erysipelotrichaceae, g__Clostridium	NR_029247.1

66804	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EF648037.1
27477	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU844294.1
68982	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	FJ879857.1
68860	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	EU768143.1
68741	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	AJ441238.1
68082	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU452048.1
71588	c__Erysipelotrichi, f__Erysipelotrichaceae, g__Clostridium	FJ679216.1
19460	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	DQ801417.1
68464	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU474844.1
74126	c__Sphingobacteria, f__Flexibacteraceae, g__Runella	GQ022810.1
20567	c__Clostridia, f__Lachnospiraceae, g__Coprococcus	FJ679429.1
68760	c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides	GQ491656.1
69137	c__Bacteroidia, f__Rikenellaceae, g__unclassified	AB234442.1
68115	c__Bacteroidia, f__RikenellaceaeII, g__unclassified	EU743928.1
71669	c__Erysipelotrichi, f__Erysipelotrichaceae, g__Clostridium	FJ370907.1
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27379	c__Clostridia, f__Lachnospiraceae, g__unclassified	EU504162.1
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27038	GQ491419.1
26785	EU509946.1
56317	EF602832.1
55309	EU006176.1
54991	EU006398.1
55260	EU006397.1

55365	EF602830.1
55221	FJ365265.1
28163	DQ793297.1
55800	EU006404.1
12385	AB508900.1
55253	EU506565.1
55160	EU506706.1
56218	DQ824286.1
68755	EU136684.1
15127	L35505.1

Fold Change	Mann-Whitney P	SAM q-value	PC1 factor loading score
18.7848801	0.002797203	1.24547687	0.0230195
11.1828982	0.000799201	0	0.03915422
10.8775201	0.01758242	3.03409403	0.03884706
10.7331378	0.01198801	2.03805306	0.03539396
9.59792289	0.0003996	0	0.04781325
9.35814266	0.007592408	2.03805306	0.03782137
9.05958173	0.007592408	2.09168603	0.03788566
8.63216369	0.001598402	0	0.0410519
8.54254929	0.004795205	1.37256635	0.04708827
8.43760373	0.007592408	3.03409403	0.0456295
8.27510592	0.002797203	1.37256635	0.04074805
8.09669613	0.004795205	2.44162792	0.04263934
7.83325059	0.01758242	4.30390898	0.04427732
7.81457095	0.01198801	4.30390898	0.04733745
7.76059177	0.01758242	2.09168603	0.04353111
7.57662611	0.0003996	0	0.04191054
7.49075487	0.002797203	2.03805306	0.04582742
7.45306237	0.01198801	2.72133096	0.02419713
7.34253266	0.001598402	1.37256635	0.04022117
7.26966503	0.004795205	1.24547687	0.03706041
7.12993482	0.01758242	2.72133096	0.04284588
6.99289038	0.01198801	4.71463776	0.03944496
6.94752923	0.004795205	1.70989197	0.04069553
6.92375923	0.0003996	3.03409403	0.04127128
6.92349261	0.002797203	3.39363881	0.04310272
6.87434483	0.03596404	4.02277389	0.03447064
6.84686916	0.01198801	2.44162792	0.02958803
6.79460126	0.02557443	3.70592913	0.04449538
6.77344081	0.007592408	2.03805306	0.0060212
6.75650788	0.004795205	4.30390898	0.04511275
6.69589905	0.004795205	2.44162792	0.04588213
6.67915996	0.000799201	1.24547687	0.04184517
6.67067768	0.01758242	3.39363881	0.04928076
6.64478363	0.007592408	2.72133096	0.04449285
6.60880253	0.01758242	4.30390898	0.04324259
6.51580959	0.0003996	0	0.03242422
6.46233507	0.007592408	3.03409403	0.03643167
6.37312077	0.0003996	0	0.04065332
6.36649795	0.001598402	1.24547687	0.04116499
6.33495044	0.01758242	4.30390898	0.04438654

6.29991924	0.001598402	1.24547687	0.04920929
6.28852742	0.007592408	1.70989197	0.04180944
6.2532713	0.001598402	1.24547687	0.04878604
6.23763874	0.01198801	1.70989197	0.04042527
6.23067683	0.007592408	2.44162792	0.03705752
6.22611979	0.01198801	4.02277389	0.04504022
6.21581879	0.007592408	1.70989197	0.04127551
6.09329345	0.000799201	0	0.04132719
6.06286627	0.007592408	1.37256635	0.04387604
6.04677822	0.004795205	1.37256635	0.04624105
5.89980253	0.004795205	4.30390898	0.04689384
5.81992274	0.007592408	2.44162792	0.04516031
5.79844745	0.000799201	1.24547687	0.0363688
5.74753938	0.004795205	2.09168603	0.04022883
5.74156664	0.000799201	0	0.03618243
5.69598144	0.01758242	4.71463776	0.04652866
5.67365245	0.01758242	3.39363881	0.04376852
5.66666533	0.007592408	2.09168603	0.04531202
5.63272615	0.0003996	0	0.0443111
5.6061098	0.01758242	2.44162792	0.03291745
5.59166441	0.001598402	2.03805306	0.04684371
5.55967288	0.01831784	2.03805306	0.0419501
5.52233259	0.004795205	2.03805306	0.0377696
5.51999388	0.004795205	1.37256635	0.04391842
5.50661852	0.01758242	3.39363881	0.04565244
5.48270895	0.001598402	1.37256635	0.04138356
5.44609528	0.002797203	2.44162792	0.0477343
5.44441778	0.000799201	1.70989197	0.04786622
5.37670464	0.001598402	1.24547687	0.0485528
5.36946288	0.01758242	4.71463776	0.04321141
5.36346994	0.002797203	1.70989197	0.04860447
5.35645227	0.004795205	2.44162792	0.04592839
5.35459618	0.0003996	0	0.04386549
5.35088594	0.01198801	2.09168603	0.04152674
5.34985578	0.03596404	4.02277389	0.04731695
5.29085177	0.004795205	1.37256635	0.04719409
5.27274986	0.02557443	3.03409403	0.02320781
5.23290153	0.001598402	1.24547687	0.05183969
5.21499788	0.01198801	3.39363881	0.04456877
5.20677076	0.01198801	3.39363881	0.04462946
5.20236155	0.001598402	2.03805306	0.04708552

5.20055886	0.002797203	2.09168603	0.04581685
5.1791747	0.01198801	4.02277389	0.03526684
5.14637133	0.004795205	2.44162792	0.0384879
5.13291289	0.001598402	1.37256635	0.04590738
5.13192469	0.001598402	1.37256635	0.04292423
5.10747809	0.004795205	1.37256635	0.04551506
5.10531508	0.007592408	2.44162792	0.0471706
5.08765203	0.007592408	4.02277389	0.04382244
5.08549741	0.02557443	4.30390898	0.0367415
5.08373521	0.01198801	3.03409403	0.04616027
5.07258882	0.01198801	2.44162792	0.04486742
5.05932334	0.007592408	3.70592913	0.04506284
5.04046054	0.01198801	4.71463776	0.04649027
5.00699302	0.002797203	2.03805306	0.04663122
5.00024921	0.007592408	4.02277389	0.04571644
4.9865968	0.004795205	1.70989197	0.04699498
4.98294966	0.0003996	1.24547687	0.04078287
4.9775798	0.007592408	2.44162792	0.04948202
4.96934448	0.002797203	1.37256635	0.04092239
4.92438802	0.0003996	1.70989197	-0.0009591
4.90262888	0.01758242	4.71463776	0.04033856
4.88943128	0.002797203	2.09168603	0.04756987
4.88359799	0.01198801	3.39363881	0.04797222
4.83308526	0.000799201	2.44162792	0.04773358
4.82230273	0.001598402	2.44162792	0.04641731
4.81840465	0.004795205	2.44162792	0.04356752
4.80543378	0.000799201	1.24547687	0.04314896
4.80210406	0.002797203	1.37256635	0.03601263
4.79637495	0.002797203	1.70989197	0.03793867
4.79563621	0.002797203	1.37256635	0.04276575
4.79120615	0.01198801	4.71463776	0.03671968
4.73398638	0.000799201	2.09168603	0.04776503
4.72651809	0.004795205	3.39363881	0.04520884
4.72633609	0.02143963	2.72133096	0.04041975
4.72506224	0.007592408	3.03409403	0.04610012
4.70038125	0.01758242	2.03805306	0.03121562
4.69802879	0.000799201	1.24547687	0.04359898
4.67726985	0.002797203	1.70989197	0.04253787
4.66611616	0.007592408	2.72133096	0.04362184
4.65624402	0.000799201	1.24547687	0.04357813
4.62141079	0.007592408	2.03805306	0.04295565

4.61074539	0.004795205	2.03805306	0.04184583
4.60701832	0.01198801	3.39363881	0.04472216
4.60613136	0.007592408	2.09168603	0.04605773
4.6004589	0.01198801	2.03805306	0.0323968
4.58666152	0.01758242	2.44162792	0.04141828
4.57449064	0.01758242	3.70592913	0.04393256
4.57413834	0.001598402	1.37256635	0.04081527
4.57343383	0.001598402	2.44162792	0.04680698
4.57114491	0.002797203	1.70989197	0.04935024
4.55901521	0.002797203	1.24547687	0.04453893
4.53502691	0.004795205	2.44162792	0.03112986
4.52177401	0.001598402	1.37256635	0.04125411
4.50821261	0.01198801	3.70592913	0.04477501
4.50266073	0.004795205	2.44162792	0.04723794
4.49832809	0.007592408	2.44162792	0.04141115
4.49642305	0.007592408	2.44162792	0.04218251
4.49469189	0.000799201	1.24547687	0.04128956
4.49348048	0.007592408	2.72133096	0.04819561
4.49226939	0.001598402	1.24547687	0.05023206
4.47724452	0.000799201	0	0.04016015
4.47672732	0.007592408	2.03805306	0.03183433
4.47345309	0.01198801	3.39363881	0.03645586
4.46639582	0.01758242	4.02277389	0.04659312
4.46416047	0.000799201	1.70989197	0.04908449
4.44734537	0.000799201	0	0.04516222
4.43725255	0.01198801	2.03805306	0.04853755
4.41798613	0.004795205	2.03805306	0.04209787
4.41101636	0.000799201	1.24547687	0.04206515
4.41067665	0.01758242	4.02277389	0.0363675
4.403888	0.000799201	1.37256635	0.05050616
4.403888	0.007592408	2.72133096	0.04081273
4.3840911	0.01198801	2.44162792	0.03525705
4.37835486	0.01198801	2.72133096	0.04000412
4.37700625	0.02501484	3.39363881	0.03670007
4.37532107	0.01758242	4.02277389	0.04561128
4.37431027	0.01198801	2.72133096	0.03901206
4.36925979	0.007592408	2.44162792	0.04557649
4.35380797	0.007592408	3.03409403	0.04436022
4.34744166	0.01198801	3.70592913	0.04009553
4.34610257	0.004795205	2.03805306	0.04075686
4.32773185	0.02557443	4.71463776	0.0447419

4.30960474	0.000799201	0	0.04575699
4.30744786	0.01324598	3.70592913	0.04455204
4.3044632	0.007592408	4.30390898	0.04549791
4.29999009	0.007592408	2.44162792	0.03165843
4.29089256	0.01198801	1.70989197	0.04385821
4.26782198	0.007592408	3.03409403	0.04752328
4.25305644	0.01758242	4.71463776	0.04549321
4.2527289	0.004795205	1.24547687	0.03956796
4.24994581	0.01198801	4.02277389	0.04300161
4.22042676	0.007592408	4.71463776	0.04578514
4.21685282	0.007592408	2.44162792	0.04007325
4.20452972	0.01198801	2.44162792	0.04322632
4.19369582	0.001598402	2.03805306	0.04664717
4.18579019	0.02557443	4.71463776	0.04642335
4.18063538	0.007592408	2.44162792	0.04434311
4.17983051	0.004795205	2.03805306	0.04072617
4.17693428	0.004795205	2.03805306	0.04186364
4.17420079	0.01198801	2.44162792	0.04303159
4.1708266	0.01758242	3.03409403	0.04237457
4.16633192	0.002797203	4.02277389	0.04180134
4.165209	0.007592408	3.03409403	0.0479491
4.16424675	0.02557443	4.30390898	0.04240037
4.16280378	0.002797203	2.44162792	0.04883133
4.15447641	0.007592408	2.03805306	0.04234588
4.14920038	0.002797203	1.37256635	0.04163574
4.14265465	0.007592408	2.72133096	0.044896
4.12864011	0.000799201	1.24547687	0.04640151
4.11673334	0.007592408	2.44162792	0.04376352
4.11609927	0.004795205	2.03805306	0.04418339
4.11530683	0.01758242	4.71463776	0.04153409
4.11483144	0.01198801	4.02277389	0.03643196
4.11388082	0.01758242	3.03409403	0.04247717
4.08530685	0.002797203	2.44162792	0.04780623
4.08231891	0.004795205	2.09168603	0.04004655
4.07525091	0.01198801	2.44162792	0.02938587
4.07525091	0.02557443	3.39363881	0.03226339
4.04943947	0.002797203	2.09168603	0.04525081
4.04601032	0.0003996	1.70989197	0.04292732
4.04273975	0.01198801	3.03409403	0.04557588
4.04227274	0.02557443	4.71463776	0.04227293
4.03045983	0.01198801	0	0.01170739

4.02999424	0.002797203	0	0.04467871
4.01419614	0.003853225	2.03805306	0.04159791
4.01110574	0.004795205	1.37256635	0.04701436
4.00169472	0.002797203	1.24547687	0.0483858
4.0009243	0.000799201	1.24547687	0.0426469
4.00030808	0.01758242	3.70592913	0.04250808
3.98907862	0.01198801	3.70592913	0.04595923
3.98324562	0.0003996	1.37256635	0.04025373
3.97941278	0.007592408	2.44162792	0.04673172
3.97895309	0.002797203	2.44162792	0.04629599
3.94888251	0.004795205	4.30390898	0.03057069
3.9458424	0.007592408	2.44162792	0.04262569
3.93022283	0.004795205	2.44162792	0.04250499
3.92432478	0.004795205	2.44162792	0.03832931
3.92417366	0.007592408	2.72133096	0.04364985
3.91888828	0.002797203	1.37256635	0.04429824
3.91647447	0.001598402	1.37256635	0.04568852
3.91074765	0.01198801	3.03409403	0.0320519
3.90803786	0.01758242	4.30390898	0.03790933
3.90563074	0.004795205	2.03805306	0.04773552
3.8993191	0.02557443	4.71463776	0.04399006
3.88717544	0.001598402	1.37256635	0.04919823
3.88597812	0.01198801	3.39363881	0.04622592
3.87477117	0.01198801	4.71463776	0.04420406
3.87298106	0.004795205	1.70989197	0.04481642
3.87119177	0.004795205	1.37256635	0.04104936
3.8662755	0.002797203	1.37256635	0.03106397
3.85913571	0.0112106	3.70592913	0.04069705
3.85913571	0.0112106	3.70592913	0.04069705
3.85913571	0.0112106	3.70592913	0.04069705
3.85675871	0.001598402	1.37256635	0.04373987
3.85230578	0.000799201	0	0.04589238
3.85082261	0.004795205	4.30390898	0.04749077
3.83779534	0.007592408	2.72133096	0.04407252
3.83159332	0.01198801	4.71463776	0.02879514
3.82952821	0.02557443	4.71463776	0.04594358
3.82113175	0.007953884	2.09168603	0.04478364
3.78510503	0.007592408	3.39363881	0.0416354
3.77447968	0.0112106	3.03409403	0.046591
3.77070251	0.004795205	2.44162792	0.04076821
3.76634894	0.007592408	2.44162792	0.04772212

3.76359428	0.004795205	1.37256635	0.03919493
3.76330443	0.007592408	2.72133096	0.03941948
3.75968322	0.004795205	2.03805306	0.04254942
3.75722279	0.0112106	1.37256635	0.04155136
3.74681999	0.004795205	2.72133096	0.04442127
3.74537743	0.007592408	2.44162792	0.04033979
3.73874883	0.001598402	0	0.02985662
3.73817299	0.002797203	1.37256635	0.04838015
3.72595722	0.01198801	3.39363881	0.04568376
3.70620953	0.000799201	0	0.04647487
3.69908042	0.007592408	3.39363881	0.04772221
3.69694437	0.002797203	2.72133096	0.04372385
3.69580564	0.002797203	4.02277389	0.04420413
3.67820019	0.007592408	3.03409403	0.03721555
3.66872248	0.004795205	2.72133096	0.04434438
3.66462777	0.002797203	1.70989197	0.04404129
3.66420444	0.001598402	2.44162792	0.04309992
3.6618065	0.004795205	2.44162792	0.04157248
3.66081956	0.004795205	2.44162792	0.04298786
3.65560733	0.007592408	2.44162792	0.04299638
3.65026195	0.003188944	2.09168603	0.03842181
3.63973479	0.03596404	4.02277389	0.03250768
3.6372128	0.03596404	4.71463776	0.04374506
3.63147477	0.001598402	1.37256635	0.04236375
3.63147477	0.01758242	3.70592913	0.03156848
3.6270026	0.01198801	4.02277389	0.04411256
3.62616468	0.002797203	1.70989197	0.04400723
3.62407073	0.01758242	2.44162792	0.04634928
3.61946829	0.01758242	1.24547687	0.03806744
3.6182141	0.02557443	4.71463776	0.02871133
3.61501091	0.007592408	4.30390898	0.0412627
3.59751325	0.001598402	1.37256635	0.04240166
3.59349801	0.004795205	2.72133096	0.0490245
3.58879621	0.001598402	2.03805306	0.03679192
3.58037602	0.004795205	2.44162792	0.04237608
3.57197559	0.002797203	2.44162792	0.04310961
3.57073785	0.002797203	2.72133096	0.04803476
3.56743932	0.004795205	3.70592913	0.04651311
3.56592851	0.004795205	2.72133096	0.04811382
3.56181136	0.04955045	4.02277389	0.03205033
3.55537073	0.01198801	2.44162792	0.03913964

3.5490784	0.003853225	2.44162792	0.04726266
3.54102411	0.02557443	4.71463776	0.03929137
3.5380255	0.01198801	4.30390898	0.04706525
3.53339627	0.004795205	2.72133096	0.04895667
3.52700701	0.002797203	2.03805306	0.04674958
3.52510607	0.002797203	2.72133096	0.04340255
3.5223922	0.01198801	3.39363881	0.04469774
3.51534593	0.004795205	1.37256635	0.0404181
3.51020565	0.04955045	4.71463776	0.0440335
3.50750326	0.01198801	2.72133096	0.04265098
3.50318376	0.007592408	2.44162792	0.04174935
3.49833068	0.000799201	2.72133096	0.04407559
3.48931645	0.0003996	2.44162792	0.05013829
3.47269464	0.002797203	4.71463776	0.03685855
3.47215977	0.007592408	2.44162792	0.0420445
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3.45468832	0.01758242	4.71463776	0.04724546
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-3.9824788	0.01758242	4.71463776	-0.0145786

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-5.637283	0.004795205	2.03805306	-0.0194064
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-7.5411146	0.01198801	4.71463776	-0.0244832
-8.3877146	0.001598402	1.94944206	-0.0167571
-8.8659657	0.007592408	4.30390898	-0.0144299
-11.353424	0.02557443	4.02277389	-0.0212512

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-2.5835116	0.02501484	1.94944206
-3.3899824	0.002797203	1.94944206
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-5.637283	0.004795205	2.03805306
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-4.1932114	0.001598402	2.72133096
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-2.0929757	0.03596404	3.03409403
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Type of file: table
Label: Table 3
Filename: 3006438s3.xls

PhyloChip ID	Taxonomic classification (class, family, genus)
39	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
48	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Marinomonas
52	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Oleispira
131	c__Gammaproteobacteria, f__Colwelliaceae, g__Colwellia
169	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
170	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
263	c__Gammaproteobacteria, f__Alteromonadaceae, g__Marinobacter
305	c__Gammaproteobacteria, f__OM60, g__Congregibacter
320	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
357	c__Gammaproteobacteria, f__Idiomarinaceae, g__unclassified
405	c__Gammaproteobacteria, f__Alteromonadaceae, g__Marinobacter
452	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified
456	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
543	c__Gammaproteobacteria, f__J115, g__unclassified
562	c__Gammaproteobacteria, f__Alteromonadaceae, g__Cellvibrio
569	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
583	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified
603	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
811	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
833	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
879	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Marinomonas
953	c__Gammaproteobacteria, f__Oleiphilaceae, g__unclassified
960	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified
1024	c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified
1072	c__Gammaproteobacteria, f__Celerinatantimonadaceae, g__Celerinatantimonas
1113	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
1114	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1133	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1205	c__Gammaproteobacteria, f__Alteromonadaceae, g__Candidatus Endobugula
1256	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
1266	c__Gammaproteobacteria, f__Oceanospirillaceae, g__Oleibacter
1301	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
1327	c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
1349	c__Gammaproteobacteria, f__OM60, g__unclassified
1408	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1441	c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1442	c__Gammaproteobacteria, f__Chromatiaceae, g__unclassified
1534	c__Gammaproteobacteria, f__OM60, g__unclassified
1548	c__Gammaproteobacteria, f__Oceanospirillaceae, g__unclassified

1576 c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1643 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
1645 c__Gammaproteobacteria, f__Idiomarinaceae, g__Idiomarina
1697 c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified
1727 c__Gammaproteobacteria, f__Ectothiorhodospiraceae, g__unclassified
1758 c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1788 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
1791 c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1869 c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1991 c__Gammaproteobacteria, f__Pseudoalteromonadaceae, g__Pseudoalteromonas
1998 c__Gammaproteobacteria, f__Methylococcaceae, g__Methylobacter
2060 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
2152 c__Gammaproteobacteria, f__Methylococcaceae, g__Methylobacter
2199 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
2281 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
2297 c__Gammaproteobacteria, f__Idiomarinaceae, g__Idiomarina
2403 c__Gammaproteobacteria, f__Sedimenticolaceae, g__Sedimenticola
2474 c__Gammaproteobacteria, f__Xanthomonadaceae, g__unclassified
2526 c__Gammaproteobacteria, f__Halomonadaceae, g__Candidatus Portiera
2550 c__Gammaproteobacteria, f__Thiotrichaceae, g__Leucothrix
2625 c__Gammaproteobacteria, f__Halomonadaceae, g__Candidatus Portiera
2814 c__Gammaproteobacteria, f__Legionellaceae, g__unclassified
2875 c__Gammaproteobacteria, f__Moraxellaceae, g__Moraxella
2920 c__Gammaproteobacteria, f__Chromatiaceae, g__unclassified
2924 c__Gammaproteobacteria, f__Endoecteinascidiaceae, g__unclassified
2979 c__Gammaproteobacteria, f__Halomonadaceae, g__Candidatus Portiera
3074 c__Gammaproteobacteria, f__Acidithiobacillaceae, g__Acidithiobacillus
3319 c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter
3443 c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter
3460 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
3497 c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter
3587 c__Gammaproteobacteria, f__SUP05, g__unclassified
3768 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
3818 c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter
3855 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
3870 c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter
4054 c__Gammaproteobacteria, f__Piscirickettsiaceae, g__Thiomicrospira
4074 c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter
4081 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
4084 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
4099 c__Gammaproteobacteria, f__Moraxellaceae, g__Acinetobacter

4133 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
4144 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia
4178 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
4230 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Pantoea
4295 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella
4297 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
4325 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
4349 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
4357 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia
4371 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
4420 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
4434 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4443 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
4496 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4497 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4513 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Averyella
4548 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
4589 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
4673 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella
4708 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4731 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Ewingella
4761 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4847 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4905 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4906 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
4908 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Leclercia
4911 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4942 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
4991 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
4998 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
5025 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
5043 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
5050 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Ewingella
5061 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
5075 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
5103 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella
5125 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella
5222 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Dickeya
5237 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia
5255 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
5286 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified

5294 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
5315 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
5325 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Rahnella
5362 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
5365 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
5424 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
5463 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
5472 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
5476 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Leclercia
5496 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Shigella
5504 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
5576 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
5584 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Trabulsiella
5614 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Buttiauxella
5628 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
5643 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
5680 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
5683 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Klebsiella
5686 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
5709 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia
5755 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
5806 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Salmonella
5827 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
5943 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
5960 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Raoultella
5982 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Escherichia
5983 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
6001 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Erwinia
6064 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Yersinia
6084 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Citrobacter
6126 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Leclercia
6190 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Serratia
6235 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Salmonella
6270 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus
6287 c__Gammaproteobacteria, f__Aeromonadaceae, g__unclassified
6290 c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella
6296 c__Gammaproteobacteria, f__Moritellaceae, g__Moritella
6300 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6319 c__Gammaproteobacteria, f__Aeromonadaceae, g__Zobellella
6331 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6342 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus

6349 c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia
6382 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6391 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Providencia
6396 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
6411 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
6433 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6452 c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia
6453 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
6461 c__Gammaproteobacteria, f__Pseudomonadaceae, g__Pseudomonas
6467 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
6475 c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella
6477 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6482 c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella
6485 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
6489 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
6497 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
6501 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus
6502 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
6510 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
6514 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
6521 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Sodalis
6525 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6538 c__Gammaproteobacteria, f__Chromatiaceae, g__Rheinheimera
6557 c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella
6584 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
6586 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
6600 c__Gammaproteobacteria, f__Pasteurellaceae, g__Volucribacter
6608 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6618 c__Gammaproteobacteria, f__Pasteurellaceae, g__Aggregatibacter
6625 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
6626 c__Gammaproteobacteria, f__Pasteurellaceae, g__Volucribacter
6632 c__Gammaproteobacteria, f__Psychromonadaceae, g__Psychromonas
6649 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
6658 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6660 c__Gammaproteobacteria, f__Pasteurellaceae, g__Bibersteinia
6674 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6680 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
6682 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6731 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6734 c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia
6738 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus

6739 c__Gammaproteobacteria, f__Alteromonadaceae, g__unclassified
6751 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus
6760 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
6764 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6767 c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella
6779 c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella
6781 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6797 c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella
6799 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
6801 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
6805 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6824 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Arsenophonus
6827 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6848 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
6869 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
6871 c__Gammaproteobacteria, f__Pasteurellaceae, g__Gallibacterium
6874 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Candidatus Regiella
6901 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Morganella
6919 c__Gammaproteobacteria, f__Pasteurellaceae, g__Bibersteinia
6940 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
6978 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7014 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7037 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7048 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
7051 c__Gammaproteobacteria, f__Shewanellaceae, g__Shewanella
7052 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7057 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
7062 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7065 c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia
7075 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7077 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7089 c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella
7090 c__Gammaproteobacteria, f__unclassified, g__sfD
7099 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus
7100 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus
7124 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
7141 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
7157 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7161 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7164 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7166 c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia

7177 c__Gammaproteobacteria, f__Enterobacteriaceae, g__unclassified
7178 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7184 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7212 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Xenorhabdus
7214 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7255 c__Gammaproteobacteria, f__Pasteurellaceae, g__Pasteurella
7256 c__Gammaproteobacteria, f__Chromatiaceae, g__Rheinheimera
7265 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
7270 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7279 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7287 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7291 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus
7309 c__Gammaproteobacteria, f__Aeromonadaceae, g__Oceanimonas
7319 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Xenorhabdus
7324 c__Gammaproteobacteria, f__Moritellaceae, g__Moritella
7345 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7363 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
7374 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7376 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
7384 c__Gammaproteobacteria, f__Pasteurellaceae, g__Gallibacterium
7388 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7390 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7398 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
7404 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7409 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Photorhabdus
7419 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7428 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7441 c__Gammaproteobacteria, f__Vibrionaceae, g__Vibrio
7455 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
7459 c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia
7464 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7479 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Candidatus Regiella
7495 c__Gammaproteobacteria, f__Pasteurellaceae, g__unclassified
7499 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Baumannia
7515 c__Gammaproteobacteria, f__Aeromonadaceae, g__Aeromonas
7532 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7551 c__Gammaproteobacteria, f__Chromatiaceae, g__Rheinheimera
7570 c__Gammaproteobacteria, f__Pasteurellaceae, g__Haemophilus
7572 c__Gammaproteobacteria, f__Pasteurellaceae, g__Mannheimia
7584 c__Gammaproteobacteria, f__Enterobacteriaceae, g__Proteus
7585 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus

7594 c__Gammaproteobacteria, f__Pasteurellaceae, g__Actinobacillus
7850 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
7862 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
7885 c__Betaproteobacteria, f__Comamonadaceae, g__unclassified
7961 c__Betaproteobacteria, f__Comamonadaceae, g__unclassified
8108 c__Betaproteobacteria, f__Comamonadaceae, g__unclassified
8111 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8143 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8266 c__Betaproteobacteria, f__Comamonadaceae, g__unclassified
8341 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8355 c__Betaproteobacteria, f__Comamonadaceae, g__Ramlibacter
8401 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8412 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8513 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8583 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8585 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8618 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8804 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8883 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
8963 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9056 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9063 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9111 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9120 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9129 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9134 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9188 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9204 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9289 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9371 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9403 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9426 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9450 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9517 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9619 c__Betaproteobacteria, f__Comamonadaceae, g__Verminephrobacter
9650 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9730 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9853 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9937 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
9986 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
10258 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter

10261 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
10277 c__Betaproteobacteria, f__Comamonadaceae, g__unclassified
10304 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
10397 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
10430 c__Betaproteobacteria, f__Comamonadaceae, g__Diaphorobacter
14341 c__Betaproteobacteria, f__Oxalobacteraceae, g__unclassified
14436 c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria
14454 c__Betaproteobacteria, f__Oxalobacteraceae, g__unclassified
14481 c__Betaproteobacteria, f__Alcaligenaceae, g__Castellaniella
14576 c__Betaproteobacteria, f__Alcaligenaceae, g__unclassified
14646 c__Betaproteobacteria, f__Neisseriaceae, g__Conchiformibius
14749 c__Betaproteobacteria, f__Alcaligenaceae, g__Oligella
14773 c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia
14872 c__Betaproteobacteria, f__Oxalobacteraceae, g__unclassified
14923 c__Betaproteobacteria, f__Burkholderiaceae, g__Burkholderia
14930 c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria
14940 c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria
15049 c__Betaproteobacteria, f__unclassified, g__sfA
15111 c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria
15346 c__Betaproteobacteria, f__Neisseriaceae, g__unclassified
15425 c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia
15460 c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia
15635 c__Betaproteobacteria, f__Burkholderiaceae, g__Ralstonia
15723 c__Betaproteobacteria, f__Hydrogenophilaceae, g__unclassified
15744 c__Betaproteobacteria, f__Neisseriaceae, g__unclassified
15760 c__Betaproteobacteria, f__Burkholderiaceae, g__Cupriavidus
15810 c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria
15869 c__Betaproteobacteria, f__Neisseriaceae, g__Neisseria
15879 c__Betaproteobacteria, f__Nitrosomonadaceae, g__Nitrosovibrio
15923 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
15951 c__Gammaproteobacteria, f__Xanthomonadaceae, g__Stenotrophomonas
15953 c__Betaproteobacteria, f__Rhodocyclaceae, g__Dechloromonas
16050 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Anaerobiospirillum
16083 c__Gammaproteobacteria, f__Xanthomonadaceae, g__Stenotrophomonas
16116 c__Betaproteobacteria, f__Hydrogenophilaceae, g__Thiobacillus
16172 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16177 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16198 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16306 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Anaerobiospirillum
16312 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16329 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio

16364 c__Gammaproteobacteria, f__Succinivibrionaceae, g__unclassified
16374 c__Betaproteobacteria, f__Rhodocyclaceae, g__unclassified
16436 c__Betaproteobacteria, f__Rhodocyclaceae, g__Thauera
16437 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16500 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16525 c__Betaproteobacteria, f__Rhodocyclaceae, g__unclassified
16631 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16638 c__Betaproteobacteria, f__Rhodocyclaceae, g__Thauera
16671 c__Betaproteobacteria, f__Methylophilaceae, g__unclassified
16696 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16814 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Anaerobiospirillum
16863 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16873 c__Gammaproteobacteria, f__Succinivibrionaceae, g__unclassified
16876 c__Gammaproteobacteria, f__Xanthomonadaceae, g__Stenotrophomonas
16902 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16919 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16953 c__Betaproteobacteria, f__Methylophilaceae, g__unclassified
16973 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16988 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
16997 c__Betaproteobacteria, f__Comamonadaceae, g__Comamonas
17022 c__Betaproteobacteria, f__Burkholderiaceae, g__unclassified
17027 c__Gammaproteobacteria, f__Xanthomonadaceae, g__unclassified
17217 c__Gammaproteobacteria, f__Xanthomonadaceae, g__Xanthomonas
17314 c__Gammaproteobacteria, f__Xanthomonadaceae, g__unclassified
17341 c__Betaproteobacteria, f__Rhodocyclaceae, g__unclassified
17379 c__Gammaproteobacteria, f__Succinivibrionaceae, g__Succinivibrio
18198 c__Clostridia, f__Lachnospiraceae, g__Ruminococcus
19544 c__Clostridia, f__Lachnospiraceae, g__unclassified
20504 c__Clostridia, f__Lachnospiraceae, g__Coprococcus
21309 c__Clostridia, f__Lachnospiraceae, g__unclassified
21547 c__Clostridia, f__Lachnospiraceae, g__Blautia
21583 c__Clostridia, f__Lachnospiraceae, g__Blautia
21597 c__Clostridia, f__Lachnospiraceae, g__Blautia
22550 c__Clostridia, f__Ruminococcaceae, g__unclassified
24021 c__Clostridia, f__Lachnospiraceae, g__Clostridium
27320 c__Clostridia, f__Lachnospiraceae, g__Epulopiscium
28129 c__Clostridia, f__Lachnospiraceae, g__unclassified
28293 c__Clostridia, f__Lachnospiraceae, g__unclassified
28332 c__Clostridia, f__Lachnospiraceae, g__unclassified
35865 c__Actinobacteria, f__Corynebacteriaceae, g__Corynebacterium
37008 c__Actinobacteria, f__Corynebacteriaceae, g__Corynebacterium

37178 c__Actinobacteria, f__Corynebacteriaceae, g__Corynebacterium
37480 c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium
37487 c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium
37619 c__Actinobacteria, f__Actinosynnemataceae, g__Actinokineospora
37950 c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium
37996 c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium
38339 c__Actinobacteria, f__Mycobacteriaceae, g__Mycobacterium
40421 c__Actinobacteria, f__Micrococcaceae, g__Micrococcus
40818 c__Actinobacteria, f__Bogoriellaceae, g__Georgenia
40876 c__Actinobacteria, f__Micrococcaceae, g__Arthrobacter
41480 c__Actinobacteria, f__Microbacteriaceae, g__unclassified
41947 c__Actinobacteria, f__unclassified, g__sfA
42833 c__Bacilli, f__Planococcaceae, g__Sporosarcina
43530 c__Bacilli, f__Bacillaceae, g__Bacillus
45900 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
45905 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
45921 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
45928 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
45946 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
45968 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
45988 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46003 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46009 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46033 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46071 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46074 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46081 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46083 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46102 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46110 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46240 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46251 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46263 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46308 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46318 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46334 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46360 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46361 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46367 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46391 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46405 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus

46414 c__Bacilli, f__Bacillaceae, g__Oceanobacillus
46448 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46451 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46462 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46466 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46515 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46516 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46526 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46535 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46545 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46557 c__Bacilli, f__Bacillaceae, g__Bacillus
46559 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46568 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46576 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46586 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46600 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46607 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46608 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46665 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46682 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46691 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46695 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46714 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46718 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46761 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46766 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46828 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46830 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46834 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46845 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46894 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46896 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46929 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46940 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46944 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46957 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
46999 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47051 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47054 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47120 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47130 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus

47135 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47152 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47155 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47185 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47225 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47254 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47263 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47303 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47306 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47327 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47345 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47357 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47361 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47424 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47449 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47462 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47473 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47477 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47478 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47480 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47503 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47544 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47551 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47564 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47636 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47643 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47650 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47660 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47663 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47666 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47676 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47691 c__Bacilli, f__Bacillaceae, g__Virgibacillus
47700 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47761 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47774 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47782 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47791 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47862 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
47872 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48006 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48027 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus

48036 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48039 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48065 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48066 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48089 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48090 c__Bacilli, f__Bacillaceae, g__Bacillus
48109 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48174 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48189 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48191 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48200 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48202 c__Bacilli, f__Staphylococcaceae, g__Staphylococcus
48604 c__Clostridia, f__Peptococcaceae, g__Desulfitobacterium
50020 c__Clostridia, f__Veillonellaceae, g__unclassified
50292 c__Bacilli, f__Paenibacillaceae, g__Paenibacillus
50392 c__Bacilli, f__Paenibacillaceae, g__Paenibacillus
53280 c__Oscillatoriophycideae, f__Phormidiaceae, g__Phormidium
53517 c__Deltaproteobacteria, f__Bdellovibrionaceae, g__Bdellovibrio
53812 c__Synechococcophycideae, f__Synechococcaceae, g__Prochlorococcus
54016 c__Epsilonproteobacteria, f__Campylobacteraceae, g__Campylobacter
54070 c__Epsilonproteobacteria, f__Helicobacteraceae, g__unclassified
54212 c__Epsilonproteobacteria, f__Campylobacteraceae, g__Campylobacter
54236 c__Planctomycea, f__Planctomycetaceae, g__unclassified
56460 c__Deltaproteobacteria, f__Desulfovibrionaceae, g__Desulfovibrio
56810 c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas
57132 c__Deltaproteobacteria, f__unclassified, g__sfA
57144 c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas
57191 c__Gammaproteobacteria, f__Halomonadaceae, g__Cobetia
57283 c__Gammaproteobacteria, f__Halomonadaceae, g__Chromohalobacter
57353 c__Deltaproteobacteria, f__Desulfobacteraceae, g__unclassified
57365 c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas
57407 c__Deltaproteobacteria, f__Nitrospinaceae, g__unclassified
57559 c__Deltaproteobacteria, f__Desulfovibrionaceae, g__LE30
57592 c__Gammaproteobacteria, f__Halomonadaceae, g__Halomonas
58876 c__Deltaproteobacteria, f__Desulfuromonadaceae, g__unclassified
58933 c__Alphaproteobacteria, f__Hyphomicrobiaceae, g__unclassified
58980 c__Alphaproteobacteria, f__Caulobacteraceae, g__unclassified
59331 c__Alphaproteobacteria, f__Methylobacteriaceae, g__Methylobacterium
60109 c__Alphaproteobacteria, f__Hyphomicrobiaceae, g__unclassified
60659 c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingobium
60812 c__Alphaproteobacteria, f__Sphingomonadaceae, g__Novosphingobium

60848 c__Alphaproteobacteria, f__Rhizobiaceae, g__Agrobacterium
60879 c__Alphaproteobacteria, f__Sphingomonadaceae, g__Novosphingobium
60991 c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingomonas
61060 c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingomonas
61144 c__Alphaproteobacteria, f__Sphingomonadaceae, g__Sphingomonas
61256 c__Alphaproteobacteria, f__Hyphomicrobiaceae, g__Devosia
61356 c__Alphaproteobacteria, f__Erythrobacteraceae, g__unclassified
61557 c__Alphaproteobacteria, f__Nordellaceae, g__Nordella
61616 c__Alphaproteobacteria, f__Rhizobiaceae, g__Rhizobium
61701 c__Alphaproteobacteria, f__Rhodobacteraceae, g__unclassified
61958 c__Alphaproteobacteria, f__Rhizobiaceae, g__Agrobacterium
65246 c__Flavobacteria, f__Flavobacteriaceae, g__Chryseobacterium
65994 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
66373 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
66580 c__Flavobacteria, f__Cryomorphaceae, g__unclassified
66849 c__Sphingobacteria, f__Sphingobacteriaceae, g__Pedobacter
68078 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
68463 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68504 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68549 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68554 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68584 c__Bacteroidia, f__Porphyromonadaceae, g__unclassified
68593 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
68713 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68778 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68801 c__Bacteroidia, f__Porphyromonadaceae, g__Candidatus Azobacteroides
68820 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68841 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68909 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
68985 c__Clostridia, f__Lachnospiraceae, g__unclassified
69014 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
69079 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
69090 c__Bacteroidia, f__Bacteroidaceae, g__Bacteroides
69156 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
69268 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
69274 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
69335 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
69349 c__Bacteroidia, f__Rikenellaceae, g__Alistipes
69448 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
69476 c__Bacteroidia, f__Rikenellaceae, g__Alistipes
69502 c__Bacteroidia, f__Rikenellaceae, g__Alistipes

69504 c__Bacteroidia, f__RikenellaceaeII, g__unclassified
69717 c__Bacteroidia, f__Rikenellaceae, g__Alistipes
69868 c__Bacteroidia, f__Rikenellaceae, g__Alistipes
70711 c__Clostridia, f__Clostridiales Family XI. Incertae Sedis, g__Anaerococcus
71462 c__Erysipelotrichi, f__Erysipelotrichaceae, g__unclassified
71530 c__Erysipelotrichi, f__Erysipelotrichaceae, g__CM970
71589 c__Erysipelotrichi, f__Erysipelotrichaceae, g__Allobaculum
72172 c__Fusobacteria, f__Fusobacteriaceae, g__Fusobacterium
72993 c__Bacilli, f__Leuconostocaceae, g__Weissella
73776 c__Alphaproteobacteria, f__Pelagibacteraceae, g__Candidatus Pelagibacter
76472 c__TM7-3, f__unclassified, g__sfA

	Gut IDO relative mRNA		%Treg in gut (CD25+FoxP3+)	
GenBank ID	unadjusted P v	Spearman rho value	unadjusted P v	Spearman rho value
AY738649.1	0.2900074	0.2252174	0.7981586	-0.05386687
EU188447.1	0.9581902	-0.01130435	0.2539751	-0.2370142
AJ426421.1	0.6390859	-0.1008696	0.9781566	0.005771451
AY167340.1	0.5516845	-0.1278261	0.6421121	0.09772991
DQ005864.1	0.8243778	0.04782609	0.4740246	-0.1500577
NC_008027.1	0.381709	0.1869565	0.9258239	0.01962293
EU718223.1	0.7344671	-0.07304348	0.7297604	0.07272028
EU161717.1	0.3075332	0.2173913	0.8137339	-0.04963448
AF494092.1	0.9068896	0.02521739	0.3404552	0.1989227
EF554896.1	0.9839135	-0.004347826	0.4402745	-0.1616006
AF238495.1	0.884547	0.03130435	0.7051005	-0.07964602
EU188189.1	0.9871305	0.003478261	0.8236818	-0.04694114
DQ517879.1	0.7222991	-0.07652174	0.892532	0.02847249
FJ889619.1	0.3530494	0.1982609	0.9796126	0.005386688
NC_010995.1	0.3727528	-0.1904348	0.6069525	0.1081185
DQ279335.1	0.3195712	-0.2121739	0.561373	0.12197
GQ495024.1	0.916487	-0.0226087	0.9781566	0.005771451
EF178445.1	0.868639	0.03565218	0.7173961	-0.07618316
AY040230.1	0.8973048	0.02782609	0.3757968	0.1850712
AY621063.1	0.8877339	0.03043478	0.5138181	-0.1369758
DQ517876.1	0.8243778	0.04782609	0.4513791	-0.157753
EF067910.1	0.7651539	-0.06434783	0.986893	0.003462871
EU714266.1	0.9260958	-0.02	0.2611833	-0.2335514
EU583725.1	0.9774802	-0.006086957	0.9665121	0.008849558
DQ913886.1	0.6017724	-0.1121739	0.9606922	-0.01038861
U70977.1	0.2481213	0.2452174	0.9708782	-0.007695268
EF673282.1	0.5515973	0.1278539	0.7630021	-0.06349818
U85855.1	0.7436342	-0.07043478	0.9359829	0.01692959
AF006606.2	0.2551065	0.2417391	0.8465169	0.04078492
AY907566.1	0.2604279	0.2391304	0.578914	0.1165833
AB435650.1	0.9453421	0.01478261	0.3539556	-0.193536
AB361588.1	0.7162393	0.07826087	0.6646464	0.09118892
GQ404505.1	0.7436342	0.07043478	0.7868777	0.05694498
EF379800.1	0.9357146	-0.0173913	0.8694729	0.0346287
AM111086.1	0.9260958	-0.02	0.6316117	0.100808
AF144036.1	0.6566057	0.09565217	0.5514585	-0.1250481
DQ394966.1	0.6449056	0.09913044	0.4740246	0.1500577
EU491047.1	0.993565	-0.00173913	0.9084356	-0.02424009
DQ206422.1	0.948553	0.01391304	0.7953346	-0.0546364

DQ492753.1	0.1908609	0.2765217	0.5270301	-0.1327434
DQ073452.1	0.7682424	-0.06347826	0.5031293	0.1404386
EU603445.1	0.9004983	-0.02695652	0.5576456	-0.1231243
AB040466.1	0.6536732	-0.09652174	0.9040946	0.02539438
EU735681.1	0.9228917	-0.02086957	0.4413784	-0.1612159
FN377708.1	0.6861953	-0.08695652	0.7798481	0.0588688
DQ095914.1	0.7359372	0.07262448	0.7840233	0.05772561
AY646432.1	0.9967825	-0.000869565	0.1264102	-0.3139669
DQ492719.1	0.6683845	-0.09217391	0.9026482	-0.02577915
AF297959.1	0.8622894	-0.0373913	0.6915227	-0.08349366
FJ712568.1	0.692169	0.08521739	0.3153032	-0.2093113
GU377179.1	0.618881	0.1069565	0.500769	0.1412082
FJ712444.1	0.1340871	-0.3147826	0.5827038	-0.115429
NC_008027.1	0.3277535	0.2086957	0.7882856	0.05656022
AF284764.1	0.6683845	-0.09217391	0.6421121	0.09772991
NR_027560.1	0.6743028	-0.09043478	0.9040946	0.02539438
U77478.1	0.8243778	-0.04782609	0.6381665	0.0988842
FJ598363.1	0.8941129	0.02869565	0.5688611	-0.1196614
EF572462.1	0.4404029	-0.1652174	0.8465169	0.04078492
EU617742.1	0.7222991	0.07652174	0.7283833	0.07310504
EU805263.1	0.8275238	0.04695652	0.9142276	-0.02270104
GQ472814.1	0.5381182	0.1321739	0.4057419	0.1739131
AF005187.1	0.6802398	0.08869565	0.7560758	-0.06540978
EU236358.1	0.3895405	0.183953	0.5807343	-0.1160285
GQ346935.1	0.8941129	-0.02869565	0.8436555	0.04155445
AY266096.1	0.4235031	-0.1713043	0.5954138	-0.1115814
EU084698.1	0.1352238	0.313913	0.5355211	0.13005
AJ275039.1	0.8622894	0.0373913	0.8781089	-0.03232013
FM177774.1	0.5247096	0.1365217	0.9563286	0.0115429
FJ169986.1	0.5709355	0.1217391	0.6355414	0.09965372
FJ373029.1	0.9903477	0.002608696	0.8665974	0.03539823
GQ345712.1	0.5544164	-0.1269565	0.6263872	0.1023471
DQ459316.1	0.6536732	-0.09652174	0.7868777	0.05694498
FJ672730.1	0.1879714	-0.2782609	0.9810685	-0.005001924
AY835998.1	0.701163	0.08260869	0.7532928	0.06617931
EU240445.1	0.8527804	0.04	0.8867585	0.03001155
DQ270607.1	0.4187404	-0.1730435	0.8983108	0.02693344
AM412164.1	0.8432914	-0.0426087	0.7925131	0.05540593
AB125366.1	0.4957829	0.146087	0.5502249	0.1254329
FJ675280.1	0.3794585	-0.1878261	0.8336561	0.04424779
DQ144736.1	0.7222991	-0.07652174	0.6793811	0.08695653

FJ975874.1	0.5516845	-0.1278261	0.8551121	0.03847634
NR_027543.1	0.7620689	-0.06521739	0.9563286	0.0115429
EF515255.1	0.6861953	0.08695652	0.56761	-0.1200462
DQ365569.1	0.5273786	0.1356522	0.6928764	-0.08310889
FM209488.1	0.4258955	0.1704348	0.589044	0.1135052
AB099407.1	0.7604772	0.06566645	0.6887611	-0.0842794
GQ154831.1	0.6449056	-0.09913044	0.5126251	0.1373605
EF057396.1	0.618881	-0.1069565	0.986893	-0.003462871
U63135.1	0.8909226	-0.02956522	0.684768	-0.08541747
GQ154786.1	0.8813617	0.03217391	0.9171252	0.02193151
GQ154902.1	0.9710483	-0.007826087	0.5576456	0.1231243
AJ010486.1	0.5408189	0.1313044	0.817994	-0.04848019
AM696807.1	0.7071808	-0.08086956	0.6861171	0.08503271
AM184307.1	0.8243778	0.04782609	0.8379386	-0.0430935
GQ009455.1	0.6951626	-0.08434783	0.5663601	0.1204309
DQ068917.1	0.7837353	-0.05913043	0.6487091	0.09580608
GQ154733.1	0.7283752	-0.07478261	0.6780367	0.08734129
DQ321559.1	0.929301	0.01913043	0.2726558	0.2281647
FJ222589.1	0.7497645	0.06869565	0.4078548	0.1731435
EU471308.1	0.4211181	-0.1721739	0.9301765	-0.01846864
EU678359.1	0.9839135	0.004347826	0.5138181	0.1369758
AE005174.2	0.6419932	-0.1	0.8080619	0.05117353
EF489443.1	0.8149558	0.05043478	0.8137339	-0.04963448
DQ112330.1	0.8275238	0.04695652	0.3717691	-0.1866103
GQ155784.1	0.3561833	-0.1969994	0.8651345	0.03578988
AJ277978.1	0.6891799	-0.08608696	0.7911033	0.05579069
DQ068872.1	0.6160159	-0.1078261	0.7132898	0.07733744
GU374107.1	0.9100874	0.02434783	0.6069525	-0.1081185
ABHO01000021.1	0.8180938	-0.04956522	0.9040946	0.02539438
GQ155370.1	0.5820678	-0.1182609	0.7325171	0.07195076
EU031768.1	0.9004983	0.02695652	0.5054951	0.1396691
AM696754.1	0.9036932	0.02608696	0.4637628	0.1535206
U29438.1	0.4404029	0.1652174	0.5294496	-0.1319738
EU240959.1	0.9517647	0.01304348	0.8508124	0.03963063
AY501386.1	0.5220472	-0.1373913	0.6834199	-0.08580223
FJ811859.1	0.9646182	-0.009565217	0.1838404	0.2747211
U88438.1	0.6743028	0.09043478	0.4683093	0.1519815
AF520711.2	0.7041697	0.08173913	0.7925131	-0.05540593
DQ486901.1	0.3661158	0.1930435	0.8236818	0.04694114
GQ154979.1	0.596114	-0.113913	0.7868777	-0.05694498
EU471154.1	0.7071808	-0.08086956	0.5440758	0.1273567

AM696780.1	0.7436342	0.07043478	0.5210047	0.1346672
GQ154883.1	0.5381182	-0.1321739	0.6421121	0.09772991
U88437.1	0.4551697	0.16	0.3973514	0.1769912
AM696788.1	0.9020744	0.02652751	0.41842	0.1693285
FJ405332.1	0.4576558	-0.1591304	0.6593178	-0.09272798
AF130981.1	0.7682424	-0.06347826	0.8208368	-0.04771066
AM696779.1	0.5626487	-0.1243478	0.6134028	0.1061947
CP001891.1	0.5300539	0.1347826	0.5979698	-0.1108119
EF429005.1	0.7651539	-0.06434783	0.6740094	-0.08849558
AY098487.1	0.9710483	-0.007826087	0.892532	-0.02847249
GQ101981.1	0.6046101	-0.1113044	0.9272746	0.01923817
DQ833334.1	0.9742641	0.006956522	0.6699908	0.08964987
EU030438.1	0.8086882	-0.05217391	0.6434294	-0.09734514
AJ293687.1	0.4727198	-0.1539131	0.8781089	0.03232013
AF181574.1	0.7837353	0.05913043	0.510243	-0.1381301
DQ356903.1	0.6074532	-0.1104348	0.9970872	0.000769527
AF394537.1	0.7314192	0.07391305	0.727007	0.07348981
GQ154748.1	0.5571544	-0.126087	0.9214735	0.02077722
EU196322.1	0.7961875	0.05565218	0.3018362	0.2150827
EF179130.1	0.477797	0.1521739	0.6224803	-0.1035014
GQ154944.1	0.5544164	0.1269565	0.7297604	-0.07272028
EU014682.1	0.8973048	0.02782609	0.4925513	-0.1439015
GQ154965.1	0.7101961	-0.08	0.5502249	-0.1254329
AM933757.1	0.3318916	0.2069565	0.3462029	0.1966141
GQ154749.1	0.5114623	-0.1408696	0.9970872	-0.000769527
EU472197.1	0.9517647	0.01304348	0.9272746	0.01923817
AB288903.1	0.8749966	0.03391304	0.2810444	-0.2243171
AB480775.1	0.5737097	-0.1208696	0.5355211	-0.13005
AAYV01000006.1	0.7930257	-0.05653403	0.7840233	0.05772561
GQ154907.1	0.3508987	-0.1991304	0.8968656	-0.0273182
GQ856082.1	0.7744296	-0.06173913	0.760256	0.06425549
EU024350.1	0.4282953	0.1695652	0.387002	0.1808388
AF170176.1	0.9710483	0.007826087	0.5763935	-0.1173528
AY280573.1	0.9325073	-0.01826087	0.5489925	-0.1258176
EU569287.1	0.3339723	0.206087	0.4820858	-0.1473644
AY299315.1	0.6507456	-0.09739131	0.3973514	-0.1769912
AY700605.1	0.6361838	0.1017391	0.5526934	0.1246633
EU185365.1	0.565405	0.1234783	0.5330885	-0.1308196
DQ195676.1	0.5034989	-0.1435095	0.8766451	-0.03271118
FJ558112.1	0.840133	0.04347826	0.300068	-0.2158523
DQ229009.1	0.9903477	0.002608696	0.2316344	-0.2481724

NR_024897.1	0.8212345	-0.04869565	0.4067976	-0.1735283
EU185346.1	0.8941129	-0.02869565	0.2785108	-0.2254713
AJ301684.1	0.237879	0.2504348	0.6713294	0.08926511
DQ079634.1	0.8275238	0.04695652	0.3366554	-0.2004617
FJ939592.1	0.587669	0.1165217	0.500769	-0.1412082
GQ091882.1	0.7314192	0.07391305	0.4469197	-0.159292
AF224287.1	0.7868436	0.05826087	0.3045006	-0.2139284
EF199917.1	0.8718169	-0.03478261	0.3677664	0.1881493
FJ799903.2	0.8973048	-0.02782609	0.7728353	-0.06079262
AF268965.1	0.7101961	0.08	0.5738779	-0.1181224
NC_011566.1	0.7071808	-0.08086956	0.8939762	-0.02808773
GQ087742.1	0.8749966	-0.03391304	0.2685222	-0.2300885
AY299319.1	1	0	0.3376029	-0.200077
GQ860945.2	1	0	0.8308037	-0.04501732
AY911396.1	0.9549771	0.01217391	0.4786225	-0.1485187
AF157690.1	0.9871305	-0.003478261	0.4347776	-0.1635244
AY278669.1	0.6772689	0.08956522	0.4671705	0.1523663
GQ074659.1	0.5273786	0.1356522	0.7380401	-0.0704117
EU854927.1	0.4488857	0.1622092	0.9098659	0.02385992
AJ223180.1	0.7589875	0.06608696	0.7630464	-0.06348596
AB303383.1	0.5247096	0.1365217	0.4491464	0.1585225
FJ558093.1	0.8909226	0.02956522	0.2652443	-0.2316276
GQ240227.1	0.4198257	-0.1726462	0.9127624	0.02309025
AB205568.1	0.1127728	0.3321739	0.6834199	0.08580223
AY900170.1	0.9581902	-0.01130435	0.424977	-0.1669873
EF396305.1	0.7620689	-0.06521739	0.4786225	-0.1485187
NR_025724.1	0.8973048	-0.02782609	0.809479	-0.05078877
EU185362.1	0.737519	0.07217392	0.1890009	-0.271643
AF224299.1	0.8149558	0.05043478	0.5258224	-0.1331281
EU746660.2	0.7682424	0.06347826	0.6355414	-0.09965372
AY216870.1	0.9068896	-0.02521739	0.8066453	-0.0515583
U85849.1	0.5193911	-0.1382609	0.3207915	-0.2070027
FJ594056.1	0.7899551	-0.0573913	0.5651115	0.1208157
GQ114305.1	0.9228917	-0.02086957	0.21701	-0.2558677
DQ841185.1	0.475255	0.1530435	0.3134867	-0.2100808
GQ074383.1	0.5354237	0.1330435	0.4152981	-0.1704502
EU681998.1	0.4282953	0.1695652	0.50668	-0.1392844
EU185484.1	0.6936018	0.08480105	0.6712696	-0.08928228
GQ116263.1	1	0	0.2852992	-0.2223932
DQ301926.2	0.967833	0.008695652	0.18448	-0.2743363
DQ826507.1	0.8559479	0.03913043	0.3890595	-0.1800693

EU841485.1	0.7101961	-0.08	0.8422255	-0.04193921
EU930336.1	0.6275086	-0.1043478	0.8939762	-0.02808773
FJ940839.1	0.3466205	0.2008696	0.6553319	0.09388227
GQ091843.1	0.8527804	0.04	0.185764	-0.2735668
FJ210800.1	0.8086882	0.05217391	0.5626179	0.1215852
NC_009092.1	0.9453421	-0.01478261	0.5234109	0.1338977
EU185482.1	0.3236467	0.2104348	0.7463482	-0.06810312
AY485224.1	0.7344671	0.07304348	0.5941375	0.1119661
AF224295.1	0.5626487	0.1243478	0.2461189	-0.2408619
FJ176463.1	0.7744296	0.06173913	0.4797755	-0.1481339
EU185421.1	0.6303951	0.1034783	0.1566233	-0.2920354
AY265348.1	0.4854643	-0.1495652	0.9534201	0.01231243
GQ087761.1	0.9839135	0.004347826	0.26688	-0.230858
AY465363.1	0.6624854	0.09391304	0.3027227	-0.214698
X87978.1	0.6772689	-0.08956522	0.3116765	-0.2108503
EU339196.1	0.5140987	0.14	0.6726689	-0.08888035
AY136152.1	0.4488857	0.1622092	0.8493515	0.04002309
GU166185.1	0.9839135	0.004347826	0.3849507	0.1816083
AF227862.1	0.2919232	0.2243478	0.3462029	-0.1966141
DQ229007.1	0.8909226	0.02956522	0.5282392	-0.1323586
EU185473.1	0.6419932	0.1	0.3272676	-0.2043094
AF418218.1	0.9517647	0.01304348	0.402584	-0.1750674
EU700096.1	0.6275086	-0.1043478	0.803814	0.05232782
DQ856554.1	0.8212345	0.04869565	0.9854368	0.003847634
FJ169987.1	0.9967825	0.000869565	0.5726219	0.1185071
AF268948.1	0.6536732	-0.09652174	0.8265289	-0.04617161
AY362907.1	0.7132156	0.07913043	0.885316	-0.03039631
EU488685.1	0.5062092	0.1426087	0.9185743	0.02154675
U57072.1	0.9839135	-0.004347826	0.6211802	0.1038861
EU185485.1	0.7543201	0.06740596	0.6068829	-0.1081393
DQ666548.1	0.6624854	0.09391304	0.2913239	-0.2196999
AY299316.1	0.9228917	-0.02086957	0.5330885	-0.1308196
GQ062191.1	0.4854643	-0.1495652	0.8123151	0.05001924
DQ885257.1	0.7806301	0.06	0.5865044	0.1142747
EU930345.1	0.6361838	-0.1017391	0.6030959	-0.1092728
FJ960217.1	0.7466975	-0.06956521	0.3757968	-0.1850712
EU517633.1	0.737519	-0.07217392	0.5306612	0.1315891
GQ262778.1	0.6891799	0.08608696	0.5564057	0.123509
AF268962.1	0.884547	-0.03130435	0.696943	-0.08195461
GQ083015.1	0.8749966	-0.03391304	0.2461189	-0.2408619
DQ301927.2	0.8180938	-0.04956522	0.8508124	0.03963063

EU348312.1	0.6217515	0.106087	0.885316	0.03039631
FJ435959.1	1	0	0.500769	-0.1412082
DQ539497.1	0.9839135	0.004347826	0.4569863	-0.1558292
DQ205453.1	0.4258955	-0.1704348	0.6005305	0.1100423
EF173406.1	0.8718169	-0.03478261	0.5222071	-0.1342824
EF579842.1	0.7253351	0.07565217	0.2016539	-0.2643324
AY701891.1	0.8212345	-0.04869565	0.8781089	-0.03232013
DQ113707.1	0.5820678	-0.1182609	0.6108193	-0.1069642
AF268945.1	0.9004983	-0.02695652	0.6686533	-0.09003463
DQ228998.1	0.8527804	-0.04	0.3529809	-0.1939207
EU909656.1	0.6743028	0.09043478	0.3098729	-0.2116199
AB079370.1	0.7132156	0.07913043	0.8508124	0.03963063
AY562194.1	0.543526	-0.1304348	0.8165734	-0.04886495
D78007.1	0.8909226	-0.02956522	0.9912618	0.00230858
AJ252023.2	0.4390831	0.1656882	0.525742	-0.1331538
AF468055.1	0.9196888	-0.02173913	0.4271445	-0.1662178
AY911392.1	0.868639	-0.03565218	0.7868777	-0.05694498
EU137565.1	0.948553	-0.01391304	0.4057419	-0.1739131
GQ072607.1	0.7775282	-0.06086956	0.4683093	-0.1519815
AY038591.1	0.4023034	0.1791304	0.4867231	-0.1458253
FJ940825.1	0.6017724	-0.1121739	0.4774709	0.1489034
GQ113941.1	0.5681673	0.1226087	0.1756637	-0.279723
AF487729.1	0.9453421	0.01478261	0.387002	-0.1808388
FJ437063.1	0.3999851	0.18	0.4592393	-0.1550597
Z76744.1	0.6275086	-0.1043478	0.822259	-0.0473259
AF015299.1	0.5300539	0.1347826	0.3973514	-0.1769912
AY362898.1	0.8180938	-0.04956522	0.3768077	-0.1846864
EU854864.1	0.4803459	-0.1513043	0.892532	0.02847249
AF224304.1	0.2335895	0.2526636	0.8536506	-0.03886858
U57070.1	0.7961875	-0.05565218	0.5391796	-0.1288957
AM262150.1	0.9903477	0.002608696	0.8165734	-0.04886495
DQ228285.1	0.8464521	-0.04173913	0.8565463	0.03809158
AY362922.1	0.8432914	-0.0426087	0.3559096	-0.1927665
AY676877.1	0.7682424	0.06347826	0.509054	-0.1385148
AF468056.1	0.8527804	-0.04	0.8838739	-0.03078107
FJ558391.1	0.9036932	0.02608696	0.1515421	-0.2954983
GU108532.1	0.610302	-0.1095652	0.8809907	0.0315506
EU909680.1	0.6217515	-0.106087	0.3549318	-0.1931512
AY425282.1	0.5820678	-0.1182609	0.9012021	-0.02616391
FJ581028.1	0.4477541	-0.1626087	0.7132898	-0.07733744
EF396307.1	0.802432	-0.05391304	0.3520079	-0.1943055

AF247722.1	0.967833	-0.008695652	0.6185833	-0.1046556
GQ037524.1	0.4829017	-0.1504348	0.9258239	-0.01962293
GQ084664.1	0.4957829	-0.146087	0.7854705	0.05732975
GQ059902.1	0.9100874	-0.02434783	0.7812527	-0.05848404
GQ019127.1	0.5848655	-0.1173913	0.4937211	0.1435167
GQ023840.1	0.3381573	-0.2043478	0.3788341	0.1839169
GQ008754.1	0.3727528	-0.1904348	0.7728353	0.06079262
GQ103594.1	0.1659324	-0.2921739	0.5019485	0.1408234
GQ023964.1	0.6772689	-0.08956522	0.7840639	0.05771451
GQ114506.1	0.9228917	-0.02086957	0.9606922	0.01038861
DQ354711.1	0.6595431	0.09478261	0.5343042	-0.1304348
GQ007295.1	0.4069625	-0.1773913	0.8336561	0.04424779
GQ102502.1	0.7651539	-0.06434783	0.7380401	0.0704117
GQ023667.1	0.7682424	-0.06347826	0.8066453	-0.0515583
GQ008229.1	0.543526	-0.1304348	0.9432454	0.01500577
GQ102872.1	0.7682424	-0.06347826	0.8066453	-0.0515583
GQ021635.1	0.8591176	0.03826087	0.7728353	0.06079262
GQ038073.1	0.8781783	0.03304348	0.6673167	0.0904194
GQ075411.1	0.7101961	-0.08	0.9156762	-0.02231628
GQ115371.1	0.565405	-0.1234783	0.7770409	0.05963833
GQ000354.1	0.9260958	0.02	0.6394806	0.09849943
GQ023122.1	0.5737097	-0.1208696	0.5701135	0.1192767
GQ105319.1	0.02197766	-0.4652174	0.0839988	-0.3524433
GQ102394.1	0.5861846	-0.116982	0.7938847	0.05503175
GQ008262.1	0.4023034	-0.1791304	0.7132898	0.07733744
GQ096593.1	0.5904783	0.1156522	0.6780367	0.08734129
GQ092820.1	0.6772689	0.08956522	0.5903156	0.1131204
GQ038656.1	0.3055544	-0.2182609	0.2718259	0.2285495
GQ059929.1	0.04790092	-0.4078261	0.06794795	-0.3709119
GQ092699.1	0.4803459	-0.1513043	0.7325171	-0.07195076
GQ021818.1	0.5904783	-0.1156522	0.8939762	0.02808773
GQ024561.1	0.8527804	0.04	0.8651602	0.035783
GQ007474.1	0.8527804	-0.04	0.6316117	0.100808
GQ096742.1	0.3639189	-0.193913	0.4314973	0.1646787
NC_008786.1	0.3508987	-0.1991304	0.1695487	-0.2835706
GQ065139.1	0.3298186	-0.2078261	0.6593178	-0.09272798
GQ024732.1	0.7192671	-0.0773913	0.9825246	0.004617161
GQ060123.1	0.7682424	-0.06347826	0.8066453	-0.0515583
GQ099485.1	0.3749804	-0.1895652	0.8265289	0.04617161
GQ024915.1	0.3999851	-0.18	0.4626297	0.1539054
GQ107072.1	0.5544164	-0.1269565	0.8809907	-0.0315506

GQ023888.1	0.6507456	-0.09739131	0.555167	0.1238938
GQ022440.1	0.2135024	-0.2634782	0.9287254	0.01885341
GQ024723.1	0.5792759	-0.1191304	0.7477356	0.06771836
GQ039204.1	0.8464521	-0.04173913	0.7051005	0.07964602
GQ023920.1	0.6951626	-0.08434783	0.688818	0.08426318
AY177773.1	0.8813617	0.03217391	0.809479	0.05078877
GU233442.1	0.6449056	0.09913044	0.7630464	0.06348596
AB487490.1	0.9742641	-0.006956522	0.6134028	0.1061947
AJ005447.1	0.5792759	0.1191304	0.5638641	0.1212005
GQ254282.1	0.8306723	-0.04608696	0.5162083	0.1362062
GQ114060.1	0.6536732	-0.09652174	0.9171252	-0.02193151
AF227163.1	0.3423733	-0.2026087	0.4809299	-0.1477491
FJ191398.1	0.8496152	-0.04086956	0.9069883	0.02462486
DQ490985.1	0.5792759	-0.1191304	0.7228831	0.0746441
AB366334.1	0.2027223	-0.2695652	0.9142276	-0.02270104
AF398309.1	0.7041697	0.08173913	0.2579635	0.2350904
AJ239315.1	0.3381573	0.2043478	0.2751554	0.2270104
GQ263997.1	0.4235031	-0.1713043	0.6211802	0.1038861
AF146369.1	0.5021929	0.1439443	0.2750606	0.2270541
GQ068812.1	0.565405	0.1234783	0.8365106	0.04347827
FJ821603.1	0.9774802	-0.006086957	0.7532928	0.06617931
FJ191397.1	0.8781783	-0.03304348	0.8208368	0.04771066
AY646884.1	0.8118206	-0.05130435	0.9243735	0.0200077
FJ517027.1	0.3617295	-0.1947826	0.7256315	-0.07387457
DQ006842.1	0.4235031	0.1713043	0.6766933	0.08772606
AM905275.1	0.7806301	-0.06	0.6263872	0.1023471
AJ239312.1	0.9967825	-0.000869565	0.123496	0.3162755
AF409941.1	0.7283752	0.07478261	0.3254092	0.2050789
AY123800.1	0.884547	-0.03130435	0.4660331	-0.1527511
FJ684530.1	0.9004983	-0.02695652	0.2759919	-0.2266256
AF511522.1	0.8086473	0.05218526	0.4687927	-0.1518184
FJ535057.1	0.5300539	0.1347826	0.975245	0.006540978
NR_026075.1	0.701163	0.08260869	0.8737891	-0.03347442
DQ424865.1	0.4957829	0.146087	0.7560758	0.06540978
EU662520.1	0.8559479	-0.03913043	0.9723337	-0.007310505
FJ679295.1	0.8432914	0.0426087	0.7283833	-0.07310504
FJ681318.1	0.929301	0.01913043	0.3125808	-0.2104656
FJ685189.1	0.8243778	-0.04782609	0.4705911	-0.151212
EF428122.1	0.5088325	-0.1417391	0.578914	-0.1165833
FJ681105.1	0.8654632	-0.03652174	0.3559096	-0.1927665
FJ684018.1	0.6536732	-0.09652174	0.1825656	-0.2754906

FJ832419.1	0.4626491	-0.1573913	0.8781089	0.03232013
FJ823914.1	0.9196888	-0.02173913	0.7078268	0.0788765
AJ853609.1	0.3727528	0.1904348	0.9069883	-0.02462486
FJ683575.1	0.8718169	0.03478261	0.3009513	-0.2154675
FJ684508.1	0.9919546	-0.002174386	0.2487565	-0.2395613
EF648064.1	0.8973048	-0.02782609	0.6473876	0.09619085
FJ680565.1	0.5167417	-0.1391304	0.7616509	-0.06387072
X68491.1	0.7620689	0.06521739	0.5343042	0.1304348
EU037912.1	0.4551697	0.16	0.817994	0.04848019
FJ679041.1	0.6507456	-0.09739131	0.5416251	-0.1281262
GQ867410.1	0.8622894	0.0373913	0.7160265	-0.07656792
FJ676809.1	0.8654632	-0.03652174	0.4046877	-0.1742978
FJ832403.1	0.8909226	-0.02956522	1	0
FJ950659.1	0.5220472	0.1373913	0.8379386	-0.0430935
FJ673289.1	0.7651539	0.06434783	0.424977	-0.1669873
FJ679155.1	0.8118206	0.05130435	0.5198036	-0.135052
AY792265.1	0.9871305	0.003478261	0.8565463	0.03809158
FJ683157.1	0.7993082	-0.05478261	0.3568889	-0.1923817
FJ672134.1	0.9839135	-0.004347826	0.4855617	-0.1462101
AJ606336.1	0.7436342	-0.07043478	0.4902159	0.144671
EU727457.1	0.4726224	-0.1539465	0.5526164	0.1246873
GQ009333.1	0.6478231	-0.09826087	0.6540053	0.09426703
AY576645.1	0.6361838	0.1017391	0.7505127	-0.06694883
EF492981.1	0.6419932	0.1	0.5078664	0.1388996
FJ823940.1	0.7682424	-0.06347826	0.6699908	-0.08964987
FJ679188.1	0.9421321	0.01565217	0.4569863	-0.1558292
DQ804129.1	0.5571544	-0.126087	0.5258224	-0.1331281
DQ794722.1	0.05925752	-0.3904348	0.8265289	0.04617161
DQ796228.1	0.9132678	0.02348337	0.8479193	0.04040793
FJ978523.1	0.5764899	-0.12	0.8151534	-0.04924972
FJ370160.1	0.5805883	-0.1187215	0.4104132	0.1722147
FJ362616.1	0.4235031	-0.1713043	0.5043115	0.1400539
EF399220.1	0.4404029	-0.1652174	0.5801761	0.1161985
FJ881171.1	0.2166517	-0.2617391	0.9171252	-0.02193151
AM932611.1	0.6743028	0.09043478	0.5903156	0.1131204
M99573.1	0.8941129	0.02869565	0.5126251	-0.1373605
DQ326577.1	0.2604279	-0.2391304	0.665981	-0.09080416
AY991724.1	0.2119393	-0.2643478	0.3357094	-0.2008465
AF371809.1	0.6275086	-0.1043478	0.8493801	0.04001539
GQ080874.1	0.3195712	0.2121739	0.7435757	0.06887265
GQ065095.1	0.7071808	-0.08086956	0.6237815	0.1031166

GQ086494.1	0.916487	-0.0226087	0.5992496	-0.1104271
X79292.1	0.5502334	0.1282888	0.6645856	0.09120647
DQ866764.1	0.4258955	0.1704348	0.5588868	0.1227395
EU570742.1	0.9549771	0.01217391	0.3171262	0.2085418
EF551408.1	0.9132866	-0.02347826	0.5114334	0.1377453
AF480577.1	0.5114623	0.1408696	0.1390113	0.3044064
DQ058407.1	0.7620689	0.06521739	0.5601293	0.1223548
EU071593.1	0.09940669	0.3443478	0.9941745	0.001539054
EF601725.1	0.3236467	0.2104348	0.7981586	0.05386687
EU466431.1	0.6217515	0.106087	0.8479482	-0.04040016
EF466124.1	0.4526907	0.1608696	0.5318742	0.1312043
AB486164.1	0.1712641	0.2886957	0.9229234	0.02039246
EU308121.1	0.8956861	0.02826701	0.3375081	0.2001155
DQ129483.1	0.2996652	0.2208696	0.3018362	-0.2150827
EU428955.1	0.7101961	0.08	0.1044521	0.3324356
GQ052971.1	0.802432	0.05391304	0.5877736	0.11389
GU354324.1	0.8718169	0.03478261	0.4925513	0.1439015
GQ074249.1	0.4404029	0.1652174	0.244567	0.2416314
GQ047355.1	0.4477541	0.1626087	0.3134867	0.2100808
GQ039744.1	0.7253351	-0.07565217	0.9519661	0.01269719
GQ304781.1	0.7132156	0.07913043	0.4705911	0.151212
GQ111550.1	0.7961875	0.05565218	0.7283833	0.07310504
GQ084154.1	0.8400987	0.04348772	0.7297103	0.07273427
GQ053281.1	0.5598985	0.1252174	0.1671449	0.2851097
GQ058299.1	0.2622175	0.2382609	0.05333273	0.3909196
NC_007168.1	0.8941129	0.02869565	0.6740094	0.08849558
GQ085695.1	0.8117804	0.05131551	0.6217627	0.1037137
GQ046433.1	0.4701917	0.1547826	0.2776696	0.2258561
X86636.1	0.7589875	0.06608696	0.07531619	0.3620624
GQ044635.1	0.5114623	0.1408696	0.1201583	0.3189689
EU834244.1	0.5327356	0.133913	0.08880216	0.3474413
GQ087019.1	0.9325073	-0.01826087	0.6005305	0.1100423
GQ039873.1	0.840133	-0.04347826	0.6276917	0.1019623
GQ068435.1	0.8877339	-0.03043478	0.8493801	0.04001539
GQ072395.1	0.4576558	0.1591304	0.4293179	0.1654483
GQ056314.1	0.8527804	0.04	0.2071498	0.2612543
FJ999931.1	0.9453421	0.01478261	0.7449616	0.06848788
L37600.1	0.8180938	0.04956522	0.6198812	0.1042709
GQ022602.1	0.5009827	0.1443478	0.180665	0.2766449
EU867337.1	0.5167417	0.1391304	0.2162954	0.2562524
GQ001867.1	0.7253351	0.07565217	0.2213306	0.2535591

AB366005.1	0.7283752	-0.07478261	0.7700349	-0.06156214
X75943.1	0.6390859	0.1008696	0.4774709	0.1489034
GQ110105.1	0.9068896	-0.02521739	0.3973514	0.1769912
GQ055167.1	0.5848655	0.1173913	0.4480323	0.1589073
AY030317.1	0.4258955	0.1704348	0.2162954	0.2562524
GQ035708.1	0.9132866	-0.02347826	0.7868777	0.05694498
GQ081341.1	1	0	0.7574685	0.06502502
GQ017162.1	0.2927763	0.2239617	0.02763312	0.440254
GQ112114.1	0.7253351	0.07565217	0.500769	0.1412082
GQ058573.1	0.9517647	-0.01304348	0.6018126	0.1096576
EU817577.1	0.8749966	-0.03391304	0.2768299	0.2262409
GQ022328.1	0.475255	0.1530435	0.2619923	0.2331666
GQ039987.1	0.6981606	0.08347826	0.1006714	0.3358985
GQ054854.1	0.9646182	-0.009565217	0.1359677	0.3066564
EU379246.1	0.9325073	-0.01826087	0.5713671	0.1188919
GQ014295.1	0.9549771	-0.01217391	0.5198036	0.135052
GQ058303.1	0.9389229	0.01652174	0.7051005	0.07964602
GQ031690.1	0.7041082	0.0817569	0.4014424	0.1754859
D83364.1	0.41637	0.173913	0.4089136	0.1727588
GQ002194.1	0.9549771	0.01217391	0.665981	0.09080416
X66100.1	0.7620689	0.06521739	0.4960649	0.1427472
GQ108680.1	0.5571544	-0.126087	0.3198727	0.2073875
GQ042092.1	0.7283752	0.07478261	0.6874671	0.08464795
AE015929.1	0.916487	0.0226087	0.1594977	0.2901116
GQ051884.1	0.5462392	0.1295652	0.3027227	0.214698
GQ038366.1	0.929301	0.01913043	0.6329205	0.1004232
GQ037007.1	0.6419932	0.1	0.4067976	0.1735283
GQ051878.1	0.8941129	0.02869565	0.003394829	0.5629088
GQ053179.1	0.9710483	0.007826087	0.5827038	0.115429
GQ045883.1	0.6478231	0.09826087	0.1606578	0.2893421
GQ078842.1	0.6275086	0.1043478	0.6861171	0.08503271
GQ109912.1	0.5220472	0.1373913	0.2776696	0.2258561
GQ041900.1	0.4906101	0.1478261	0.1211051	0.3181993
GQ039665.1	0.6419932	0.1	0.1982697	0.2662563
AP006716.1	0.8180938	-0.04956522	0.5306612	0.1315891
GQ001887.1	0.3075332	0.2173913	0.2286586	0.2497114
GQ001978.1	0.9228917	-0.02086957	0.8052294	0.05194306
FJ481960.1	0.6891799	0.08608696	0.1719765	0.2820316
GQ022494.1	0.3175452	0.2130435	0.284445	0.222778
AY953148.1	0.701163	0.08260869	0.03100478	0.4320893
GQ055561.1	0.9903477	0.002608696	0.6134028	0.1061947

GQ039696.1	0.5694661	0.1222005	0.2212387	0.2536079
GQ038824.1	0.7775282	0.06086956	0.233883	0.2470181
GQ065910.1	0.6303951	-0.1034783	0.7228831	0.0746441
GQ078552.1	0.6624854	0.09391304	0.3510364	0.1946903
GQ043102.1	0.9742641	-0.006956522	0.6407958	0.09811467
GQ022384.1	0.3135169	0.2147826	0.1053064	0.3316661
GQ002279.1	0.381709	0.1869565	0.08880216	0.3474413
GQ050507.1	0.1296088	0.3182609	0.1864083	0.273182
EU834240.1	0.7961875	0.05565218	0.3263376	0.2046941
GQ000155.1	0.6303951	0.1034783	0.2453421	0.2412467
CP000029.1	0.8591176	0.03826087	0.4004864	0.1758369
FJ380961.1	0.9871305	-0.003478261	0.7981586	0.05386687
GQ058444.1	0.8432914	-0.0426087	0.8165734	0.04886495
EU861985.1	0.7162393	0.07826087	0.5465316	0.1265872
AM157439.1	0.5820678	0.1182609	0.1618238	0.2885725
GQ110699.1	0.5848655	0.1173913	0.5477614	0.1262024
GQ087046.1	0.8338234	-0.04521739	0.7658397	0.06271643
GQ058818.1	0.2515982	0.2434783	0.1465791	0.2989612
GQ058580.1	0.9036932	-0.02608696	0.9359829	0.01692959
GQ099584.1	0.3518663	0.1987389	0.2700761	0.2293631
GQ111101.1	0.4235031	0.1713043	0.001527037	0.5998461
GQ018083.1	0.9517647	0.01304348	0.6250838	0.1027318
GQ025699.1	0.8464521	-0.04173913	0.6263872	0.1023471
GQ089568.1	0.8212345	-0.04869565	0.8939762	0.02808773
GQ042014.1	0.2533484	0.2426087	0.9084356	-0.02424009
GQ053754.1	0.6595431	0.09478261	0.2484589	0.2397076
AM157417.1	0.884547	0.03130435	0.3027227	0.214698
EU071606.1	0.381709	0.1869565	0.07939424	0.3574452
GQ044203.1	0.4880338	0.1486956	0.08043945	0.3562909
GQ001688.1	0.8086882	0.05217391	0.1955904	0.2677953
EU379301.1	0.8813617	-0.03217391	0.9142276	0.02270104
DQ664543.1	0.618881	0.1069565	0.2422511	0.2427857
GQ039778.1	0.4551697	0.16	0.2500269	0.2389381
GQ058466.1	0.7868436	0.05826087	0.2016539	0.2643324
GQ051586.1	0.09849911	0.3452174	0.3983949	0.1766064
GQ022284.1	0.41637	0.173913	0.487886	0.1454406
GQ047608.1	0.9871305	-0.003478261	0.1762835	0.2793382
GQ081762.1	0.7930698	0.05652174	0.487886	0.1454406
GQ107903.1	0.7837353	-0.05913043	0.9505123	0.01308196
FJ380952.1	0.8781783	-0.03304348	0.934531	0.01731435
GQ055813.1	0.8941129	-0.02869565	0.9272746	0.01923817

GQ020648.1	0.5009827	0.1443478	0.07665741	0.3605233
GQ097877.1	0.8432914	0.0426087	0.6329205	0.1004232
GQ073819.1	0.8149558	0.05043478	0.1683437	0.2843401
EU807758.1	0.993565	-0.00173913	0.630304	0.1011928
EF522132.1	0.7993082	0.05478261	0.5915884	0.1127357
DQ079008.1	0.7497645	0.06869565	0.9446984	0.01462101
GQ041471.1	0.7466975	0.06956521	0.7105566	0.07810697
GQ114342.1	0.7559095	0.06695652	0.4797755	0.1481339
GQ037885.1	0.8781783	0.03304348	0.7658397	0.06271643
AY308046.1	0.7651539	-0.06434783	0.9679674	-0.008464795
FJ380980.1	0.9742641	0.006956522	0.7463482	0.06810312
X75944.1	0.9100874	0.02434783	0.4325893	0.164294
AF297871.1	0.1594324	0.2965218	0.9970872	0.000769527
AF407698.1	0.701163	0.08260869	0.8752287	0.03308965
EF190498.1	0.5327356	-0.133913	0.6633128	0.09157369
AM745265.1	0.264015	0.2373913	0.402584	0.1750674
AY493600.1	0.1982172	0.2721739	0.5270301	0.1327434
AY294215.1	0.6332868	-0.1026087	0.454739	-0.1565987
FJ382144.1	0.9710483	0.007826087	0.8251051	-0.04655637
GQ167658.1	0.0000869	0.7147826	0.9912618	-0.00230858
GU390848.1	0.178095	0.2843478	0.3608223	0.1908426
AF550641.1	0.003422733	0.5730435	0.5126251	-0.1373605
GQ246448.1	0.5571544	0.126087	0.5138181	-0.1369758
U53462.1	0.7713343	0.0626087	0.09699344	-0.3393613
FJ607360.1	0.9036932	0.02608696	0.6673167	-0.0904194
AF154103.1	0.0568347	0.393913	0.1370032	0.3058869
GU001886.1	0.9742641	-0.006956522	0.9084356	0.02424009
AM110925.1	0.9036932	-0.02608696	0.8608513	-0.03693729
AY373448.1	0.7930698	-0.05652174	0.9171252	0.02193151
EF688206.1	0.884522	-0.03131115	0.3179449	0.208197
DQ458819.1	0.8496152	-0.04086956	0.42606	-0.1666026
AF543496.1	0.7222991	-0.07652174	0.4844016	0.1465949
EU468458.1	0.5709355	-0.1217391	0.7201379	0.07541363
AY035894.1	0.9614039	-0.01043478	0.4820858	-0.1473644
AF458286.1	0.9132866	0.02347826	0.6766933	0.08772606
AB240517.1	0.587669	-0.1165217	0.9941745	0.001539054
D49422.1	0.604531	0.1113285	0.47969	-0.1481624
AJ635303.1	0.8055586	-0.05304348	0.5234109	-0.1338977
EU246798.1	0.7162393	0.07826087	0.3062849	0.2131589
AJ000918.2	0.3794585	-0.1878261	0.9316278	0.01808388
FJ801188.1	0.7132156	0.07913043	0.7160265	-0.07656792

FN640463.1	0.5247096	0.1365217	0.7532928	0.06617931
FM872861.1	0.993565	0.00173913	0.1273926	-0.3131974
FN421485.1	0.3907867	-0.1834783	0.6159908	-0.1054252
AF331660.1	0.6046101	-0.1113044	0.9243735	0.0200077
AB167382.1	0.3339723	-0.206087	0.7995716	0.05348211
GQ263858.1	0.9325073	-0.01826087	0.8052294	0.05194306
DQ497759.1	0.8306723	-0.04608696	0.7798481	0.0588688
GQ500812.1	0.3277535	-0.2086957	0.6673167	-0.0904194
EU399916.1	0.8654632	0.03652174	0.8123151	0.05001924
EF123343.1	0.7775282	0.06086956	0.8737891	-0.03347442
EU295450.1	0.8180938	0.04956522	0.817994	0.04848019
AB024308.1	0.2150731	-0.2626087	0.9330793	0.01769912
EU662616.1	0.1739742	-0.2869565	0.6726689	-0.08888035
FJ269080.1	0.2938469	-0.2234783	0.6633128	-0.09157369
AF521195.1	0.1457674	-0.306087	0.2301433	-0.2489419
EU057838.1	0.4366505	-0.166558	0.6592561	-0.09274582
EF604853.1	0.1568833	-0.2982609	0.2726558	-0.2281647
AY978878.1	0.06304015	-0.3852174	0.370766	-0.186995
AF227834.1	0.1199291	-0.326087	0.9272746	0.01923817
EU136688.1	0.05624114	-0.3947826	0.2023354	-0.2639477
GQ492318.1	0.1127728	-0.3321739	0.8694729	0.0346287
GQ052715.1	0.1307181	-0.3173913	0.6237815	-0.1031166
EU358743.1	0.6981606	-0.08347826	0.8551121	-0.03847634
AB050108.1	0.1178516	-0.3278261	0.9214735	0.02077722
EU764895.1	0.2463947	-0.246087	0.9214735	0.02077722
AB231049.1	0.08005148	-0.3643478	0.9767008	-0.006156215
X89217.1	0.6332868	-0.1026087	0.4491464	-0.1585225
GQ492136.1	0.2938469	-0.2234783	0.7546839	-0.06579454
EF604959.1	0.1012405	-0.3426087	0.4078548	-0.1731435
EU771501.1	0.4576558	-0.1591304	0.3462029	-0.1966141
EU767635.1	0.06768467	-0.3791304	0.9606922	0.01038861
FJ368826.1	0.2295589	-0.2547826	0.3404552	0.1989227
AY975458.1	0.2604279	-0.2391304	0.4637628	-0.1535206
EU470170.1	0.6246274	-0.1052174	0.7925131	0.05540593
AB299527.1	0.1252395	-0.3217391	0.424977	-0.1669873
EU779085.1	0.1822828	-0.2817391	0.9970872	0.000769527
GQ347687.1	0.192317	-0.2756522	0.7981586	-0.05386687
AY547271.1	0.08005148	-0.3643478	0.6834199	-0.08580223
AB192156.1	0.09231725	-0.3513044	0.9519661	0.01269719
AJ518876.1	0.4355381	-0.1669565	0.5801761	-0.1161985
AY974072.1	0.1518715	-0.3017391	0.2835924	-0.2231628

EU773072.1	0.06975342	-0.3765217	0.684768	-0.08541747
AY992841.1	0.2027223	-0.2695652	0.5234109	0.1338977
EU452427.1	0.2515982	-0.2434783	0.6874671	-0.08464795
GQ041827.1	0.05002388	0.4043478	0.3162139	0.2089265
DQ353903.1	0.1252395	0.3217391	0.1465791	-0.2989612
DQ440561.1	0.7930698	0.05652174	0.3647809	-0.1893036
DQ113686.1	0.5625631	0.1243749	0.4211078	-0.1683664
NZ_ACET010000	0.9036932	0.02608696	0.9214735	-0.02077722
FJ263453.1	0.7497645	-0.06869565	0.4491464	-0.1585225
GU061335.1	0.5598985	-0.1252174	0.7967463	0.05425164
GQ009422.1	0.4727198	-0.1539131	0.9534201	0.01231243

Self-reported CD4 T cell nadir		%IL-17+ in gut CD4 T cells		%IL-22+ i
unadjusted P v	Spearman rho value	unadjusted P v	Spearman rho value	unadjusted P v
0.0898734	0.3463537	0.716513	-0.0800593	0.8825768
0.0370457	0.419088	0.6914633	0.08747221	0.4381548
0.2507194	0.2385992	0.8896226	0.03063998	0.6998508
0.3910305	0.1793343	0.5200421	-0.1413393	0.2149422
0.008733	0.5129883	0.3077768	-0.222387	0.7436084
0.02298033	0.4529537	0.5333892	-0.1368915	0.5260577
0.1805776	0.2766981	0.6423136	0.102298	0.7470083
0.02998452	0.4344815	0.08344301	-0.3686682	0.08088158
0.2602815	0.2339812	0.305576	-0.2233754	0.5113391
0.6726093	0.08889746	0.7863696	-0.05979738	0.2597364
0.04604629	0.40254	0.370838	-0.1957005	0.9714435
0.04559281	0.4033097	0.5728239	-0.1240425	0.7266792
0.4773852	0.1489321	0.8666624	0.03706449	0.6832553
0.533009	0.1308447	0.7249275	-0.07758834	0.5899765
0.4303169	0.1650953	0.9500342	0.01383741	0.8403388
0.594066	0.1119877	0.7811965	-0.06127996	0.3258544
0.437982	0.1624014	0.733373	0.07511737	0.8473521
0.02337513	0.4517992	0.69978	-0.08500124	0.9857196
0.47969	0.1481624	0.7829199	-0.06078577	0.6183445
0.009032138	0.5110642	0.3223183	-0.2159625	0.7675018
0.03372059	0.4260151	0.4725103	0.1576476	0.8368365
0.05053321	0.3952281	0.3870541	-0.189276	0.8263478
0.3017409	0.2151241	0.7829199	0.06078577	0.9286828
0.04789574	0.3994613	0.948252	-0.0143316	0.9607417
0.05803196	0.3840678	0.8210706	-0.04991352	0.6183445
0.1374435	0.3055609	0.8754819	-0.03459353	0.7709325
0.04714904	0.4006929	0.4937282	-0.1502719	0.2318907
0.1988537	0.2659227	0.1441203	-0.3143069	0.0454712
0.6847104	0.08543392	0.6024257	0.1146528	0.3986298
0.06427459	0.3756014	0.2192319	-0.2663701	0.9678756
0.02431771	0.4491053	0.4824034	-0.1541883	0.9073667
0.03940343	0.41447	0.960732	-0.01087225	0.9144659
0.02982293	0.4348663	0.9393447	0.01680257	0.602516
0.1768181	0.2790072	0.1467966	-0.3123301	0.01681576
0.1405918	0.3032519	0.3466685	-0.2055844	0.4037815
0.005866852	0.5349241	0.4180207	-0.1774154	0.7031862
0.873765	0.03348086	0.3234538	-0.2154683	0.08900613
0.09895512	0.3375024	0.0426821	-0.4259946	0.1881334
0.2750605	0.2270541	0.5083137	-0.1452928	0.7675018

0.05127186	0.3940736	0.6667227	-0.0948851	0.7266792
0.4995075	0.1416202	0.5945741	0.1171238	0.523098
0.1514596	0.2955552	0.854341	-0.04052385	0.7675018
0.6433652	0.09736388	0.7777527	-0.06226835	0.1929768
0.03014681	0.4340967	0.5156288	-0.1428218	0.7778063
0.1039563	0.3328844	0.6848347	-0.08944898	0.5530458
0.02844341	0.4382218	0.9821412	-0.004943154	0.713156
0.1168125	0.3217241	0.8719523	-0.03558191	0.7812493
0.3617154	0.1904946	0.7950107	0.05732642	0.7266792
0.0418784	0.4098519	0.8019406	-0.05534964	0.6215303
0.1048077	0.3321147	0.7181933	-0.07956512	0.9429209
0.07829781	0.3586685	0.9767905	0.006424512	0.7812493
0.02950185	0.435636	0.1762786	-0.2920682	0.5349839
0.07693452	0.3602079	0.2686333	-0.2406721	0.9678756
0.2635205	0.2324418	0.8106231	-0.05287868	0.4572883
0.2594758	0.234366	0.9678677	-0.008895478	0.9251265
0.7826171	0.05811046	0.1107669	-0.3414875	0.01894252
0.01205129	0.4941313	0.4246375	-0.1749444	0.4545287
0.5763196	0.1173754	0.608738	-0.1126761	0.1313583
0.5538527	0.1243025	0.6326475	0.1052632	0.2617236
0.02233433	0.4548779	0.285152	-0.232765	0.8019885
0.4636757	0.1535501	0.7674459	0.06523351	0.5806458
0.9737843	-0.006927074	0.7691611	0.06473932	0.9928595
0.1017803	0.334873	0.8736859	-0.03509639	0.5883242
0.2530882	-0.2374447	0.9091185	-0.02520386	0.1376842
0.791064	-0.05580143	0.9073439	-0.02569805	0.6602594
0.07262822	0.3652108	0.03345941	-0.4447739	0.005230399
0.2742257	0.2274389	0.6182572	-0.1097109	0.351548
0.1941709	0.2686166	0.9589486	-0.01136644	0.2292577
0.3676725	0.1881855	0.3514264	-0.2036076	0.7709325
0.8151184	0.0492592	0.3211852	0.2164566	0.8158878
0.6043102	0.108909	0.5790024	-0.1220657	0.3909715
0.1122543	0.3255725	0.9340036	-0.01828515	0.7675018
0.8250719	0.04656534	0.716513	0.0800593	0.7985226
0.3044052	0.2139696	0.6134901	0.1111935	0.5993707
0.7214585	0.07504331	0.5097727	0.1447986	0.9928595
0.205676	0.2620743	0.6552892	-0.09834445	0.4684136
0.5927907	0.1123725	0.7081301	0.08253027	0.7233079
0.3787407	0.1839523	0.5805516	-0.1215715	0.6311269
0.5738036	0.1181451	0.4809838	-0.1546825	0.393515
0.683362	0.08581875	0.648789	-0.1003212	0.2012363

0.2912287	0.2197422	1	0	0.351548
0.2322895	0.2478353	0.9108936	0.02470966	0.5621792
0.0588544	0.3829133	0.8807806	0.03311095	0.7675018
0.02404532	0.449875	0.9162211	0.02322708	0.6537423
0.1525783	0.2947855	0.1762786	-0.2920682	0.1786974
0.09289128	0.3433411	0.8079694	0.05363322	0.7725947
0.3422699	0.1981913	0.683181	0.08994317	0.7778063
0.3838342	0.1820281	0.6310421	0.1057574	0.8193712
0.2627084	0.2328267	0.8088848	0.05337287	0.5868592
0.2468036	0.2405234	0.6326475	0.1052632	0.7846962
0.1968374	0.2670772	0.7554694	0.06869286	0.7709325
0.01455383	0.4825862	0.3189263	-0.217445	0.7470083
0.4259697	0.1666346	0.7794741	0.06177416	0.4115779
0.07795528	0.3590534	0.9340036	0.01828515	0.6569978
0.1492397	0.2970945	0.6024257	-0.1146528	0.2821297
0.1611558	0.2890129	0.9857161	-0.003953546	0.4910739
0.1995289	0.2655379	0.6342545	-0.104769	0.2821297
0.1104682	0.3271118	0.6864898	-0.08895478	0.6407815
0.2801032	0.2247451	0.7571771	-0.06819867	0.843844
0.3365604	0.2005003	0.8860842	0.03162837	0.7065269
0.2322895	0.2478353	0.9589486	0.01136644	0.98215
0.2322895	0.2478353	0.7708774	-0.06424512	0.4628337
0.03301504	0.4275544	0.6848347	0.08944898	0.7916018
0.06913028	0.369444	0.7915514	0.0583148	0.9393596
0.1399835	0.3036952	0.9901771	-0.002718735	0.6040013
0.1611558	0.2890129	0.7777527	0.06226835	0.6537423
0.3617154	0.1904946	0.7520574	0.06968125	0.4825129
0.1664625	0.2855494	0.8123622	-0.05238448	0.6865634
0.3044052	0.2139696	0.8263056	0.04843094	0.7504128
0.1594137	0.2901675	0.8807806	-0.03311095	0.5899765
0.5725474	0.1185299	0.7760323	0.06276254	0.8263478
0.4067059	0.1735617	0.8790138	0.03360514	0.9180179
0.02557447	0.4456418	0.4809838	-0.1546825	0.5993707
0.2084488	0.260535	0.903796	-0.02668644	0.7266792
0.2843499	0.2228209	0.5348821	0.1363973	0.9857196
0.707773	0.07889168	0.6798779	0.09093156	0.5775498
0.09256839	0.3436598	0.4557946	-0.163578	0.2697695
0.03628519	0.4206274	0.249825	-0.2500618	0.5469945
0.005658563	0.5368482	0.06330449	-0.3933778	0.07172413
0.2468036	0.2405234	0.7640187	0.06622189	0.8019885
0.3807734	0.1831826	0.750353	0.07017544	0.7709325

0.2307953	0.248605	0.7554694	-0.06869286	1
0.3646869	0.18934	0.9518166	0.01334322	0.3759057
0.08649549	0.3498172	0.4114604	-0.1798863	0.2842238
0.5011922	0.1410701	0.9179776	0.02273851	0.6700028
0.2105449	0.2593805	0.5620818	0.1275019	0.843844
0.1799472	0.277083	0.8878532	-0.03113418	0.8967309
0.647324	0.09620937	0.6520361	0.09933284	0.7098728
0.02966204	0.4352512	0.9215522	-0.0217445	0.9002743
0.05328282	0.3909949	0.9571653	-0.01186064	0.9857196
0.197508	0.2666924	0.8984774	0.02816902	0.5560828
0.04316105	0.4075429	0.2245996	-0.263405	0.1264499
0.5018654	0.1408505	0.8350463	0.04595997	0.7436084
0.2133618	0.2578411	0.9839308	0.004447739	0.5837489
0.4292278	0.1654801	0.7829199	0.06078577	0.8228579
0.09692503	0.3394266	0.6134901	-0.1111935	0.9750119
0.3142988	0.2097364	0.6749339	0.09241413	0.602516
0.1869659	0.2728498	0.4923998	-0.1507289	0.3373895
0.2643343	0.232057	0.854341	0.04052385	0.9785808
0.2742257	0.2274389	0.8596177	-0.03904127	0.5713796
0.004959419	0.5437753	0.1091264	-0.3429701	0.1565481
0.2070592	0.2613046	0.6947859	-0.08648382	0.9002743
0.188262	0.2720801	0.8071474	0.05386706	0.7368224
0.1278085	0.3128729	0.5605546	0.1279961	0.7266792
0.1837526	0.274774	0.6815287	0.09043736	0.5560828
0.3253141	0.2051184	0.6455482	0.1013096	0.3660492
0.2049867	0.2624592	0.9233299	0.02125031	0.7199415
0.04908089	0.3975371	0.9553822	-0.01235483	0.843844
0.3817921	0.1827978	0.5378736	0.135409	0.6998508
0.5196414	0.1351039	0.5097727	-0.1447986	0.1897385
0.2263511	0.250914	0.5605546	0.1279961	0.3783933
0.2530882	0.2374447	0.589884	0.1186064	0.7470083
0.04696388	0.4010006	0.2990316	-0.2263405	0.4141949
0.1364054	0.3063306	0.7794741	0.06177416	0.4825129
0.1531398	0.2944007	0.8719523	0.03558191	0.8263478
0.00529929	0.5403118	0.6423136	-0.102298	0.8931893
0.03940343	0.41447	0.750353	-0.07017544	0.7334365
0.03249365	0.4287089	0.325732	-0.2144799	0.8861122
0.04294515	0.4079277	0.7367596	-0.07412899	0.9002743
0.04387893	0.4062741	0.6165788	-0.1102323	0.5961409
0.04932064	0.3971523	0.9785755	0.005930319	0.7065269
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0.0142858	0.4837407	0.5852098	-0.120089	0.8790435
0.05252163	0.3921494	0.948252	-0.0143316	0.8019885
0.05028885	0.3956129	0.8385479	0.04497159	0.6215303
0.08539104	0.3509718	0.8967055	0.02866321	0.7743673
0.05457052	0.3890707	0.9322238	-0.01877934	0.8896497
0.07795528	0.3590534	0.84556	-0.04299481	0.8825768
0.01101158	0.4995191	0.7081301	-0.08253027	0.7846962
0.03801409	0.4171638	0.2139502	-0.2693353	0.3833966
0.1605736	0.2893978	0.5318983	0.1373857	0.9180179
0.0209649	0.4591111	0.894934	-0.0291574	0.7606531
0.2733926	0.2278238	0.8790138	0.03360514	0.7606531
0.05857925	0.3832981	0.9553822	-0.01235483	0.7402131
0.05457052	0.3890707	0.8385479	-0.04497159	0.6537423
0.008911474	0.5118338	0.2440674	-0.2530269	0.3078994
0.7449141	0.06850107	0.5438799	-0.1334322	0.07830136
0.01920821	0.4648837	0.5728239	-0.1240425	0.8825768
0.08649549	0.3498172	0.5468946	-0.1324438	0.4168211
0.2345428	0.2466808	0.3770281	0.1932296	0.0519614
0.1616552	0.2886836	0.4908571	0.1512605	0.5544646
0.02324292	0.452184	0.6230392	-0.1082283	0.9393596
0.2360529	0.2459111	0.8123622	0.05238448	0.8896497
0.1196117	0.3194151	0.7725947	0.06375093	0.5409738
0.1327381	0.3090839	0.9678597	-0.008897677	0.5790024
0.04581911	0.4029248	0.9162211	-0.02322708	0.8228579
0.01810517	0.468732	0.5914456	-0.1181122	0.9038196
0.1961685	0.267462	0.9982144	0.000494193	0.6799529
0.06486677	0.3748317	0.6667227	-0.0948851	0.8333372
0.03535205	0.4225515	0.9625157	-0.01037806	0.6537423
0.07693452	0.3602079	0.5274374	-0.1388683	0.8578929
0.06137592	0.3794498	0.9839308	0.004447739	0.8263478
0.04860411	0.3983068	0.5836553	-0.1205832	0.8124078
0.1793183	0.2774678	0.5408729	-0.1344206	0.6865634
0.09140608	0.3448144	0.2210115	-0.2653818	0.2884411
0.0507785	0.3948433	0.9002498	-0.02767482	0.6151653
0.05176895	0.3933039	0.740151	-0.0731406	0.5713796
0.0155722	0.478353	0.9215522	-0.0217445	0.7640754
0.2602815	0.2339812	0.5712838	-0.1245367	0.6832553
0.08643082	0.3498845	0.9803557	-0.005437469	0.8002067
0.05483095	0.3886859	0.9446883	-0.01531999	0.7402131
0.02195386	0.4560324	0.854341	-0.04052385	0.5591273
0.0404202	0.4125458	0.5790024	0.1220657	0.7572353

0.04836708	0.3986916	0.7249275	-0.07758834	0.8614119
0.1248703	0.3151819	0.7554694	-0.06869286	0.6440124
0.2084488	0.260535	0.5544646	0.1299728	0.2842238
0.03801409	0.4171638	0.8350463	-0.04595997	0.6865634
0.4936371	0.1435444	0.6749339	0.09241413	0.7436084
0.4056501	0.1739465	0.6749339	0.09241413	0.9251265
0.002600565	0.5757169	0.3720714	-0.1952063	0.4740278
0.6017423	0.1096787	0.8508265	-0.04151223	0.6311269
0.04956132	0.3967674	0.7623066	-0.06671609	0.6343387
0.04650331	0.4017703	0.6864898	0.08895478	0.98215
0.03900244	0.4152396	0.9803605	-0.005436126	0.6472495
0.1328165	0.3090245	0.9785755	0.005930319	0.6965208
0.0588544	0.3829133	0.8896226	0.03063998	0.7572353
0.06368659	0.3763711	0.8596177	0.03904127	0.9678756
0.1104682	0.3271118	0.9055697	0.02619224	0.7675018
0.02733111	0.4410237	0.9821456	-0.004941932	0.7065269
0.1003254	0.3362202	0.4591389	-0.1623826	0.7435471
0.8250719	0.04656534	0.9571653	-0.01186064	0.7132239
0.01300583	0.4895132	0.5453863	-0.132938	0.9464832
0.05277441	0.3917646	0.7725947	-0.06375093	0.7470083
0.108265	0.329036	0.8228148	-0.04941932	0.8124078
0.03249365	0.4287089	0.6585485	-0.09735607	0.8158878
0.1421853	0.3020974	0.7215579	-0.07857673	0.2948398
0.05588231	0.3871465	0.7469478	-0.07116383	0.6700799
0.6460034	0.09659421	0.8913926	0.03014579	0.7606531
0.1531398	0.2944007	0.9839308	-0.004447739	0.9002743
0.06789083	0.3709833	0.6374734	-0.1037806	0.689877
0.985434	0.003848375	0.3574274	0.2011366	0.1376842
0.04627436	0.4021552	0.3770281	-0.1932296	0.9144659
0.07996546	0.356813	0.9669674	0.009144834	0.8280521
0.02839982	0.4383299	0.9642995	0.009883865	0.8158878
0.02391005	0.4502598	0.6914633	-0.08747221	0.8228579
0.1448697	0.3001732	0.8228148	-0.04941932	0.5201463
0.192847	0.2693862	0.8525834	-0.04101804	0.9109155
0.04956132	0.3967674	0.8036753	-0.05485545	0.5713796
0.2515074	0.2382144	0.8297995	0.04744255	0.5652387
0.1634994	0.2874736	0.395949	-0.1858167	0.05321483
0.007358211	0.5226093	0.1408239	-0.3167779	0.1276644
0.07558934	0.3617472	0.8737168	-0.03508772	0.7031862
0.09217973	0.3440447	0.9215522	0.0217445	0.6151653
0.02324292	0.452184	0.4996025	-0.148258	0.9429209

0.04104014	0.4113913	0.2517636	-0.2490734	0.9357995
0.06850841	0.3702137	0.8036753	-0.05485545	0.6151653
0.02195386	0.4560324	0.6262355	-0.1072399	0.8649333
0.3142988	0.2097364	0.8790138	0.03360514	0.5713796
0.1432547	0.3013277	0.9322238	0.01877934	0.5621792
0.009402319	0.5087551	0.8350463	-0.04595997	0.6965208
0.0209649	0.4591111	0.2122088	-0.2703237	0.3636087
0.06252302	0.3779104	0.9803605	0.005436126	0.602516
0.1948352	0.2682317	0.969652	0.008401285	0.5837489
0.1948352	0.2682317	0.9108936	-0.02470966	0.7950603
0.04403321	0.4060035	0.7863696	-0.05979738	0.9215715
0.008674168	0.5133732	0.7811965	-0.06127996	0.4463021
0.1712813	0.2824707	0.8807806	0.03311095	0.6865634
0.2098446	0.2597653	0.4838252	0.1536941	0.8019885
0.4215559	0.1682063	0.923311	-0.02125556	0.1614257
0.01977991	0.4629595	0.5575059	-0.1289844	0.9571758
0.4659463	0.1527805	0.7350657	0.07462318	0.8578929
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0.05940768	0.3821436	0.8088848	-0.05337287	0.9429209
0.008911474	0.5118338	0.4421041	-0.1685199	0.9857196
0.1542673	0.293631	0.5408729	-0.1344206	0.2310903
0.01152173	0.4968252	0.2757837	-0.2372128	0.4853582
0.288637	0.2208967	0.9340036	-0.01828515	0.4063712
0.04124845	0.4110064	0.8631388	-0.03805288	0.8649333
0.08798477	0.3482779	0.8473148	0.04250062	0.6569978
0.02571729	0.4452569	0.7898232	-0.058809	0.7402131
0.2036128	0.2632288	0.937564	-0.01729676	0.7675018
0.1718905	0.2820859	0.589884	-0.1186064	0.4012011
0.2902681	0.2201694	0.6406986	0.1027922	0.05579176
0.0237754	0.4506447	0.7588858	-0.06770448	0.7572353
0.02391005	0.4502598	0.3562224	-0.2016308	0.5806458
0.2920958	0.2193574	0.4967152	-0.1492464	0.9714435
0.02733111	0.4410237	0.3538197	-0.2026192	0.7881471
0.2869173	0.2216664	0.8860842	-0.03162837	0.393515
0.2375695	0.2451415	0.7148338	-0.0805535	0.4628337
0.03860468	0.4160093	0.894934	-0.0291574	0.6311269
0.1323094	0.3094093	0.4326521	-0.1719792	0.6504928
0.108703	0.3286512	0.9714364	0.007907092	0.7572353
0.1278085	0.3128729	0.7760323	-0.06276254	0.8967309
0.2709027	0.2289783	0.6683621	0.09439091	0.663527
0.1069588	0.3301905	0.8596177	-0.03904127	0.4768477

0.06137592	0.3794498	0.6214435	-0.1087225	0.9892895
0.60046	0.1100635	0.4824034	-0.1541883	0.6279215
0.6592561	0.09274583	0.08123665	-0.3711391	0.03012967
0.5137363	-0.1370021	0.69978	-0.08500124	0.1376842
0.8925114	0.02847797	0.6931239	-0.08697801	0.3304396
0.8997371	0.02655379	0.374545	-0.194218	0.4712165
0.3309084	0.2028093	0.5605546	-0.1279961	0.3587559
0.99563	-0.001154512	0.5010493	-0.1477638	0.4089699
0.9970867	0.000769675	0.5805516	-0.1215715	0.3258544
0.4773852	0.1489321	0.7181933	-0.07956512	0.3734274
0.1168125	0.3217241	0.6700028	-0.09389672	0.3884372
0.575061	0.1177603	0.2478961	-0.2510502	0.1523609
0.6565974	0.09351551	0.854341	-0.04052385	0.5469945
0.6928201	0.08312489	0.8825479	0.03261675	0.9393596
0.6250169	0.1027516	0.8420525	-0.0439832	0.4012011
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0.7995338	0.05349241	0.7554694	-0.06869286	0.6766561
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0.6579262	0.09313067	0.9233299	0.02125031	0.8649333
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0.241389	0.2432173	0.4725103	-0.1576476	0.4628337
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0.3983026	0.1766404	0.6374734	-0.1037806	0.31011
0.8665719	0.03540505	0.3407748	-0.2080554	0.4194563
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0.8910673	-0.02886281	0.8141022	-0.05189029	0.3397253
0.3262424	0.2047335	0.2318907	-0.2594514	0.2697695
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0.1328165	0.3090245	0.1362997	-0.3202372	0.01066737
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0.3461082	-0.196652	0.7915514	-0.0583148	0.1136358
0.6539427	0.09428518	0.221905	-0.2648876	0.05645077
0.5991789	0.1104484	0.04625738	-0.4195701	0.2097314
0.6237144	0.1031364	0.5244734	-0.1398567	0.1038779
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0.3617154	0.1904946	0.009884042	-0.5263158	0.1608154
0.2999727	0.2158938	0.007338754	-0.5436125	0.1313583
0.7685491	0.06197075	0.2043733	-0.2748393	0.4036634
0.3142988	0.2097364	0.01918888	-0.4843094	0.03350834
0.434688	0.1635559	0.01678456	-0.4932049	0.2329325
0.3519133	0.1943429	0.1621468	-0.3014579	0.1326065
0.0427301	0.4083126	0.1027423	-0.3489004	0.3035075
0.4659463	0.1527805	0.05442613	-0.4062268	0.11476
0.5452251	0.1269964	0.03736751	-0.4363726	0.4882119
0.3179448	0.2081971	0.009640698	-0.5277984	0.1509829
0.3432271	0.1978065	0.005216826	-0.5623919	0.1551435
0.3983026	0.1766404	0.17248	-0.2945392	0.4037815
0.2325713	0.2476905	0.01713569	-0.4918438	0.06366681
0.6146277	0.1058303	0.2646009	-0.2426489	0.136402
0.402492	0.175101	0.2061884	-0.2737831	0.3859123
0.2036128	0.2632288	0.03665291	-0.4378552	0.1929768
0.5378799	0.1293054	0.06046237	-0.3973314	0.3035075
0.2809493	0.2243602	0.01863187	-0.4862862	0.01582759
0.5675349	0.1200693	0.08752728	-0.3642204	0.6183445
0.08686601	0.3494324	0.03932687	-0.4324191	0.1276644
0.1525783	0.2947855	0.01849469	-0.4867803	0.04273888
0.2368104	0.2455263	0.06699957	-0.3884359	0.06483535
0.8708866	0.03425054	0.1657863	-0.2989869	0.08088158
0.288637	0.2208967	0.1643237	-0.2999753	0.2779707
0.4936371	0.1435444	0.1375816	-0.3192488	0.09672578
0.1486884	0.2974794	0.008424845	-0.5357055	0.03530661
0.0789863	0.3578989	0.0354859	-0.4403262	0.1216752
0.7449141	0.06850107	0.249825	-0.2500618	0.2948398
0.5650361	0.120839	0.1075039	-0.3444527	0.1125198
0.6315457	0.1008274	0.06187091	-0.3953546	0.5055081
0.8723256	-0.0338657	0.1928621	-0.2816902	0.253833
0.2570684	0.2355205	0.09417486	-0.3573017	0.3563438
0.5588106	0.1227631	0.1027423	-0.3489004	0.3587559
0.3309084	0.2028093	0.008864989	-0.5327403	0.0078846
0.6605869	0.092361	0.226408	-0.2624166	0.5142668
0.3422699	0.1981913	0.01729648	-0.4912281	0.2329325

0.285109	0.2224789	0.03683798	-0.4374691	0.1650539
0.3413144	0.1985761	0.1739926	-0.2935508	0.3444257
0.2491482	0.2393689	0.002528344	-0.5989622	0.0709324
0.1283031	0.312488	0.06439624	-0.3918952	0.1786974
0.329972	0.2031942	0.01182771	-0.5154436	0.1771571
0.575061	0.1177603	0.01768867	-0.4897455	0.3190488
0.5209237	0.1346931	0.1739926	-0.2935508	0.1081356
0.6289309	0.1015971	0.03736751	-0.4363726	0.2460975
0.3451463	0.1970368	0.05158822	-0.4106746	0.4910739
0.1731133	0.2813162	0.08892133	-0.3627378	0.2518846
0.5813661	0.1158361	0.03618253	-0.4388436	0.4939442
0.2315416	0.2482202	0.04711467	-0.4180875	0.3709586
0.4270542	0.1662498	0.01173304	-0.5159377	0.0997449
0.5221263	0.1343083	0.05346708	-0.4077094	0.3734274
0.4205695	0.1685588	0.09223847	-0.3592785	0.1710874
0.1464976	0.2990187	0.06513201	-0.3909069	0.1482534
0.288637	0.2208967	0.003928407	-0.5772177	0.1158921
0.7146051	0.07696749	0.1180843	-0.335063	0.6151653
0.1908727	0.2705407	0.01678456	-0.4932049	0.1725911
0.6833042	0.08583526	0.02769128	-0.4587247	0.3782732
0.8336245	0.04425631	0.1986183	-0.2782308	0.3420708
0.2643343	0.232057	0.01904838	-0.4848036	0.03350834
0.3797563	0.1835675	0.004620809	-0.5688164	0.1301186
0.3838342	0.1820281	0.004842911	-0.5663455	0.08900613
0.1869659	0.2728498	0.4421041	-0.1685199	0.7985226
0.6499684	0.09543969	0.04033637	-0.4304423	0.5591273
0.402492	0.175101	0.05036434	-0.4126514	0.5290252
0.4762349	0.1493169	0.2019591	-0.276254	0.3808903
0.3777267	0.1843372	0.09965538	-0.3518656	0.1756259
0.449058	0.158553	0.1032635	-0.3484062	0.3327466
0.2212386	0.2536079	0.1085836	-0.3434643	0.4247538
0.04884204	0.3979219	0.0086426	-0.5342229	0.002011096
0.1611558	0.2890129	0.02139882	-0.4768965	0.04381595
0.2315416	0.2482202	0.1414789	-0.3162837	0.6151653
0.128799	0.3121032	0.01863187	-0.4862862	0.04660153
0.1831145	0.2751588	0.000168573	-0.705708	0.01656414
0.3983026	0.1766404	0.020196	-0.48085	0.09672578
0.1768181	0.2790072	0.01250815	-0.5119842	0.02159004
0.08612615	0.3502021	0.07164812	-0.3825056	0.2557911
0.1664625	0.2855494	0.01429503	-0.5035829	0.1771571
0.3746939	0.1854917	0.01126893	-0.5184087	0.1338631

0.2248824	0.2516837	0.03324001	-0.4452681	0.009661903
0.253881	0.2370599	0.02553434	-0.4645416	0.1017959
0.4568986	0.1558592	0.06081217	-0.3968372	0.3420708
0.4785369	0.1485473	0.01192301	-0.5149494	0.1205022
0.2676056	0.2305176	0.03618253	-0.4388436	0.1849511
0.1876132	0.2724649	0.002476375	-0.5999506	0.04116226
0.2659667	0.2312873	0.01418444	-0.5040771	0.01631559
0.2278261	0.2501444	0.003132047	-0.5885841	0.01785347
0.1136078	0.324418	0.1848377	-0.2866321	0.4141949
0.2912287	0.2197422	0.020196	-0.48085	0.1881334
0.252297	0.2378296	0.03173604	-0.4487275	0.3660492
0.1548332	0.2932462	0.06550231	-0.3904127	0.2863276
0.09612176	0.3401963	0.00260802	-0.5974796	0.02253601
0.0471955	0.4006158	0.289379	-0.2307882	0.8790435
0.4238051	0.1674043	0.5453863	-0.132938	0.1881334
0.3432271	0.1978065	0.06011409	-0.3978256	0.1741039
0.1755771	0.2797768	0.003358514	-0.5851248	0.000154646
0.2452485	0.2412931	0.3234538	-0.2154683	0.9928595
0.2860599	0.2220512	0.627836	-0.1067457	0.2905643
0.04001103	0.4133154	0.4613319	-0.1616012	0.5652387
0.1908727	0.2705407	0.2028003	-0.2757598	0.1158921
0.02839982	0.4383299	0.5821025	-0.1210773	0.9251265
0.007617632	0.5206851	0.3870541	-0.189276	0.7743673
0.00529929	0.5403118	0.06116352	-0.396343	0.3373895
0.1343461	0.30787	0.8473148	0.04250062	0.9536107
0.04469638	0.404849	0.08752728	-0.3642204	0.5172026
0.05004542	0.3959978	0.600852	-0.115147	0.9892895
0.08037704	0.3563595	0.9518166	0.01334322	0.7031862
0.09374174	0.3425053	0.7181933	-0.07956512	0.8333372
0.04532201	0.4037722	0.01500215	-0.5004943	0.005363129
0.1548332	0.2932462	0.1904303	-0.2831727	0.2292577
0.4983307	0.142005	0.6520361	-0.09933284	0.3420708
0.3480369	0.1958823	0.2469353	-0.2515444	0.4463021
0.009981186	0.5052916	0.2201205	-0.265876	0.8019885
0.07829781	0.3586685	0.1672579	-0.2979985	0.3350633
0.1069588	0.3301905	0.6569181	0.09785026	0.8054581
0.04172969	0.4101232	0.7257055	-0.07736035	0.9589486
0.803777	0.0523379	0.6931239	0.08697801	0.8649333
0.9446878	-0.01462382	0.9928578	0.001976773	0.1402745
0.4003943	-0.1758707	0.397229	-0.1853225	0.08715016
0.1634994	0.2874736	0.9750057	-0.006918706	0.7640754

0.2375695	0.2451415	0.9268865	-0.02026192	0.9892895
0.9055232	-0.02501444	0.4683023	0.1591302	0.5806458
0.60046	-0.1100635	0.3733071	-0.1947121	0.1240459
0.7518561	-0.06657688	0.7725947	-0.06375093	0.1193374
0.3290372	-0.203579	0.4571756	-0.1630838	0.1929768
0.8051926	0.05195306	0.3586347	-0.2006425	0.4037815
0.2955805	-0.217818	0.8263056	-0.04843094	0.08263689
0.6237144	-0.1031364	0.5393723	-0.1349148	0.301326
0.3225386	0.2062729	0.0537853	-0.4072152	0.1756259
0.008851651	0.5122187	0.4923998	-0.1507289	0.8649333
0.4948084	0.1431595	0.518569	-0.1418335	0.3611775
0.9388756	-0.01616317	0.280964	-0.2347418	0.3833966
0.3567946	-0.1924187	0.9785755	-0.005930319	0.9357995
0.2226914	-0.2528382	0.1920492	0.2821843	0.4740278
0.02404532	-0.449875	0.345485	0.2060786	0.7368224
0.05400231	-0.3899153	0.345485	0.2060786	0.6215303
0.05940768	-0.3821436	0.1650539	0.2994811	0.9286828
0.06137592	-0.3794498	0.3234538	0.2154683	0.6700799
0.003836246	-0.5568598	0.1198217	0.3335804	0.6766561
0.1263332	-0.3140274	0.2469353	0.2515444	0.6700799
0.000938677	-0.620358	0.04740316	0.4175933	0.4247538
0.001813143	-0.5922649	0.005717872	0.55745	0.1897385
0.02688311	-0.4421782	0.08660701	0.3652088	0.4037815
0.1219816	-0.3174909	0.393396	0.186805	0.9322405
0.0306379	-0.4329422	0.05315031	0.4082036	0.4194563
0.1215049	-0.3178757	0.3372674	0.2095379	0.6865634
0.05004542	-0.3959978	0.1969619	0.2792192	0.8578929
0.04001103	-0.4133154	0.2646009	0.2426489	0.9536107
0.000180085	-0.6807775	0.3883178	0.1887818	0.9892895
0.3686708	-0.1878007	0.6798779	0.09093156	0.7640754
0.003748435	-0.5580143	0.04188862	0.4274772	0.1786974
0.002043331	-0.5868772	0.3200545	0.2169508	0.7812493
0.06758365	-0.3713682	0.2947173	0.2283173	0.8649333
0.605596	-0.1085242	0.7486498	-0.07066964	0.9750119
0.03516773	-0.4229364	0.1650539	0.2994811	0.3986298
0.004301865	-0.5510873	0.004324253	0.5722758	0.1818057
0.002820554	-0.5718685	0.003391964	0.5846306	0.191353
0.1611558	-0.2890129	0.7657317	-0.0657277	0.6537423
0.06339415	-0.3767559	0.3211852	0.2164566	0.9286828
0.533009	-0.1308447	0.7846442	0.06029158	0.8054581
0.2938349	-0.2185877	0.8490703	0.04200643	0.9429209

0.02311132	-0.4525689	0.6024257	-0.1146528	0.5500164
0.7882457	0.05657111	0.2245996	-0.263405	0.5530458
0.1812095	-0.2763133	0.6864898	-0.08895478	0.8403388
0.1837526	0.274774	0.2537119	-0.248085	0.05711578
0.003155006	0.5664808	0.1186614	-0.3345688	0.1537478
0.1104682	0.3271118	0.8297995	-0.04744255	0.4712165
0.000163221	0.6839877	0.01329817	-0.5081562	0.1157964
0.911314	0.02347509	0.138872	0.3182605	0.0997449
0.0522698	0.3925342	0.0416267	-0.4279714	0.2403974
0.2507194	0.2385992	0.2291385	-0.260934	0.1264499
0.4035432	0.1747162	0.5636109	-0.1270077	0.4194563

n gut CD4 T cells		%IL-17+ in gut CD8 T cells		%IL-22+ in gut CD8 T cells
Spearman rho value	unadjusted P v	Spearman rho value	unadjusted P v	Spearman rho value
-0.0326087	0.02451928	-0.5007519	0.1478506	-0.3190288
0.1699605	0.1038405	-0.3744361	0.4869951	-0.1564088
-0.08498023	0.840339	-0.0481203	0.8711838	-0.03670243
-0.2687747	0.4858377	-0.1654135	0.4743409	-0.160926
-0.07213439	0.4349861	-0.1849624	0.2336413	-0.2648221
-0.1393281	0.3625739	-0.2150376	0.8398324	-0.04573687
-0.07114624	0.6404548	-0.1112782	0.6653964	-0.09768493
-0.3715415	0.04349341	-0.4556391	0.1277034	-0.3348391
-0.1442688	0.4620109	-0.1744361	0.785554	0.06154715
-0.2450593	0.2483906	-0.2706767	0.4195233	-0.1812535
0.007905139	0.4542035	-0.1774436	0.5292525	-0.1417278
-0.0770751	0.889876	-0.0330827	0.3821811	-0.1959345
0.08992095	0.2220349	-0.2857143	0.9423421	0.01637493
-0.1185771	0.09512442	-0.3834586	0.4743409	-0.160926
0.0444664	0.8600949	-0.04210526	0.2527431	0.2546584
-0.2144269	0.3799932	-0.2075188	0.6436272	-0.1044608
-0.04249012	0.06037605	-0.4270677	0.7473495	-0.07284021
0.003952569	0.622379	-0.1172932	0.4806471	-0.1586674
-0.1096838	0.240283	-0.275188	0.8281332	-0.04912479
-0.06521739	0.4274213	-0.1879699	0.2571203	-0.2523998
0.04545455	0.6089566	-0.1218045	0.604451	-0.1168831
-0.04841897	0.3729699	-0.2105263	0.3683371	-0.201581
0.01976285	0.1099644	-0.368421	0.5292525	-0.1417278
0.01086957	0.5020525	-0.1593985	0.65811	-0.09994353
-0.1096838	0.8255814	-0.05263158	0.4712036	-0.1620553
0.06422925	0.03554239	-0.4721805	0.209679	-0.2783738
-0.2594514	0.04458576	-0.453554	0.04016201	-0.4405535
-0.4209486	0.3456206	-0.2225564	0.346796	-0.2106155
0.1847826	0.5185244	-0.1533835	0.3311374	0.2173913
0.00889328	0.4274213	-0.1879699	0.8320291	-0.04799548
-0.0256917	0.7575287	-0.07368421	0.277415	-0.242236
0.02371541	0.3323969	-0.2285714	0.8087137	-0.05477132
0.1146245	0.2169927	-0.2887218	0.8790528	0.03444382
-0.493083	0.4698862	-0.1714286	0.2637765	-0.2490119
-0.1828063	0.3906662	-0.2030075	0.7322213	-0.07735743
-0.08399209	0.4311949	-0.1864662	0.2891125	-0.2365895
-0.3626482	0.4274213	-0.1879699	0.3337174	-0.216262
-0.284585	0.3764724	-0.2090226	0.5560826	-0.1326934
-0.06521739	0.04507568	-0.4526316	0.5800487	-0.1247883

-0.0770751	0.006233371	-0.5894737	0.2274898	-0.2682101
0.1403162	0.2245846	-0.2842105	0.7097095	0.08413326
0.06521739	0.0882801	-0.3909774	0.9066765	-0.02653868
-0.2816206	0.7768207	-0.06766918	0.5325727	-0.1405985
-0.06225296	0.05185184	-0.4406015	0.3547855	-0.2072276
-0.1304348	0.4349861	-0.1849624	0.5062868	-0.149633
0.08104769	0.1938975	-0.3031215	0.9800983	-0.005648122
-0.06126482	0.006400174	-0.5879699	0.2001981	-0.2840203
-0.0770751	0.3323969	-0.2285714	0.604451	-0.1168831
0.1086956	0.4426211	-0.1819549	0.7059796	-0.08526257
0.01581028	0.02605146	-0.4962406	0.2660194	-0.2478825
0.06126482	0.4311949	-0.1864662	0.9542577	-0.01298701
-0.1363636	0.01789348	-0.5233083	0.4404203	-0.1733484
0.00889328	0.6495672	-0.1082707	0.9145896	-0.02428007
-0.1630435	0.645005	-0.1097744	0.8320291	-0.04799548
-0.02075099	0.1147253	-0.3639098	0.7473495	-0.07284021
-0.4851779	0.2651241	-0.2616541	0.3209369	-0.2219085
-0.1640316	0.4580987	-0.1759398	0.1360813	-0.3280632
-0.3241107	0.9448175	0.01654135	0.5939408	-0.120271
0.2440711	0.4542035	-0.1774436	0.4838159	0.1575381
0.05533597	0.09653859	-0.3819549	0.9701594	-0.008469791
0.1215415	0.4274213	-0.1879699	0.5869772	0.1225296
-0.001976285	0.08055387	-0.4	0.8359289	0.04686618
0.1191006	0.05402053	-0.4370064	0.4570887	-0.1671844
-0.31917	0.3764724	0.2090226	0.7246927	-0.07961603
0.09683795	0.2976005	-0.2451128	0.9940306	-0.001693958
-0.5622529	0.2679803	-0.2601504	0.1635481	-0.3077357
-0.2035573	0.3131306	-0.237594	0.3209369	-0.2219085
-0.2608696	0.6958289	-0.09323309	0.1071818	-0.352908
-0.06422925	0.09234163	-0.3864662	0.7587552	0.06945229
0.0513834	0.8749652	-0.03759398	0.8359289	0.04686618
-0.187747	0.397873	-0.2	0.7022562	-0.08639187
-0.06521739	0.2679803	-0.2601504	0.6690506	-0.09655562
-0.05632411	0.9247982	-0.02255639	0.9622068	-0.0107284
0.1156126	0.2323479	-0.2796992	0.4526039	0.1688312
0.001976285	0.7623393	-0.07218045	0.9900512	-0.002823264
-0.1590909	0.4979744	-0.1609023	0.4965949	-0.1530209
-0.07806324	0.4738491	-0.1699248	0.6985393	-0.08752117
0.1057312	0.1582439	-0.3278196	0.3849848	0.1948052
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0.03063241	0.02122064	-0.5112782	0.2155091	-0.2749859
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-0.1422925	0.02077972	-0.512782	0.9225104	-0.02202146
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0.08399209	0.1793635	-0.312782	0.8320291	-0.04799548
-0.04644269	0.2120262	-0.2917293	0.3628812	-0.2038396
-0.5609093	0.1323986	-0.3482513	0.08196091	-0.378989
-0.2608696	0.08564647	-0.393985	0.237802	-0.2625635
-0.2075099	0.3389709	-0.2255639	0.9781147	0.00621118
-0.166996	0.5226819	-0.1518797	0.9304384	0.01976285
-0.05533597	0.03110522	-0.4827068	0.2039552	-0.2817617
-0.2104743	0.3523457	-0.2195489	0.8515643	-0.04234895
-0.05434782	0.5020525	-0.1593985	0.8203531	-0.0513834
0.01136644	0.0105496	-0.5581046	0.3195351	-0.222536
-0.03754941	0.3356744	-0.2270677	0.6985393	0.08752117
-0.3171937	0.9398092	-0.01804511	0.6328461	-0.1078487
-0.3646245	0.6000744	0.124812	0.4965949	-0.1530209
-0.06620553	0.01675912	-0.5278196	0.8359289	-0.04686618

0.002964427	0.2795976	-0.2541353	0.8125893	0.05364201
-0.1215415	0.8059928	-0.05864662	0.5869772	-0.1225296
-0.3300395	0.969885	0.009022556	0.5459499	-0.1360813
-0.3339921	0.8452698	0.04661654	0.5974356	-0.1191417
-0.2816206	0.840339	0.0481203	0.8948232	-0.02992659
-0.1828063	0.1483573	-0.3353384	0.6436272	-0.1044608
-0.3695652	0.4125038	0.193985	0.8633266	-0.03896104
-0.2252964	0.7913734	-0.06315789	0.9820932	-0.005081875
-0.2924901	0.04349341	-0.4556391	0.5095377	-0.1485037
-0.03754941	0.001252749	-0.6691729	0.2001981	-0.2840203
-0.1996047	0.2323479	-0.2796992	0.6508533	-0.1022021
-0.1907115	0.8849015	-0.03458647	0.5392421	-0.1383399
0.01778656	0.5781075	0.1323308	0.9701594	0.008469791
0.1571146	0.3194765	0.2345865	0.3521105	0.2083569
0.07411067	0.0305085	0.4842105	0.6079714	0.1157538
0.1086956	0.1952376	0.3022556	0.3260133	0.2196499
0.01976285	0.001128096	0.6736842	0.3109282	0.2264258
0.09387352	0.05937977	0.4285714	0.7435588	0.07396951
0.09189723	0.002492845	0.637594	0.2441332	0.2591756
0.09387352	0.01639409	0.5293233	0.7171885	0.08187465
0.1749012	0.0190884	0.518797	0.2135539	0.2761152
0.2835968	0.01433546	0.5383459	0.1524437	0.3156409
0.1828063	0.03232607	0.4796993	0.143356	0.3224167
0.0187747	0.05937977	0.4285714	0.65811	0.09994353
0.1768775	0.006570615	0.5864662	0.4254382	0.1789949
0.0889328	0.4426211	0.1819549	0.237802	0.2625635
0.03952569	0.1952376	0.3022556	0.3337174	-0.216262
0.01284585	0.09941287	0.3789474	0.9145896	0.02428007
0.002964427	0.006400174	0.5879699	0.600939	0.1180124
-0.06620553	0.2766644	0.2556391	0.898772	0.02879729
0.2905138	0.05008922	0.443609	0.04108923	0.4387352
0.06126482	0.01433546	0.5383459	0.0881354	0.3721062
0.03754941	0.02765823	0.4917293	0.5127987	0.1473744
0.006916996	0.8650469	0.0406015	0.5697229	-0.1281762
0.1847826	0.03900262	0.4646617	0.1263439	0.3359684
0.2885376	0.000386913	0.7157895	0.05405488	0.4161491
0.2826087	0.008278791	0.5729323	0.07536284	0.3867871
-0.09881423	0.1602745	0.3263158	0.8398324	0.04573687
-0.01976285	0.02934199	0.4872181	0.3906268	0.1925466
-0.05434782	0.07218724	0.4105263	0.3209369	0.2219085
-0.01581028	0.1163446	0.362406	0.4587609	0.1665726

0.1314229	0.2825501	0.2526316	0.8398324	0.04573687
-0.1304348	0.8998366	-0.03007519	0.7397738	-0.07509881
0.0444664	0.4464646	0.1804511	0.5127987	0.1473744
-0.4021739	0.05551879	-0.4345865	0.2135539	-0.2761152
-0.3073123	0.009844302	-0.562406	0.0000415	-0.7594579
-0.1581028	0.2976005	-0.2451128	0.02285806	-0.4827781
-0.3370398	0.004290754	-0.6100038	0.003097778	-0.6009602
0.3517787	0.5061466	0.1578947	0.5325727	0.1405985
-0.2549407	0.05646561	-0.4330827	0.06403627	-0.4014681
-0.3280632	0.3523457	-0.2195489	0.346796	-0.2106155
-0.1768775	0.7623393	-0.07218045	0.9661827	0.009599096

Kyn/Trp		CD4 count		CD38+DR+ in bl
unadjusted P v	Spearman rho value	unadjusted P	Spearman rho value	unadjusted P v
0.008510099	0.5584416	0.6159387	0.1078495	0.1470256
0.3450003	0.2168831	0.02903064	0.4457491	0.1105419
0.005149312	0.587013	0.9533607	0.01261144	0.1680708
0.001769793	0.6402597	0.7298401	-0.07436399	0.1420625
0.397443	0.1948052	0.3154194	0.2139596	0.03796502
0.06187994	0.4142857	0.9742585	0.006958034	0.4732893
0.03720837	0.4571429	0.9292857	0.01913459	0.1910679
0.0693995	0.4038961	0.5736258	0.1208958	0.01145085
0.000507068	0.6922078	0.5529626	-0.127419	0.1940822
0.03720837	0.4571429	0.9887366	-0.00304414	0.4940764
0.2316558	0.2727273	0.4802493	0.1513373	0.03269373
0.2136478	0.2831169	0.4588025	0.1587302	0.002360084
0.006213392	0.5766234	0.7497118	0.06871059	0.2430923
0.04507829	0.4415585	0.2693475	0.2348337	0.6331874
0.01295752	0.5324675	0.8733792	-0.03435529	0.6273461
0.001671525	0.6428571	0.3184495	-0.2126549	0.09495344
0.02605616	0.4844156	0.6965981	0.08393129	0.3364896
0.19044	0.2974026	0.3266163	0.2091759	0.01855413
0.000473226	0.6948052	0.8543326	-0.03957382	0.1971279
0.3784517	0.2025974	0.388401	0.1843879	0.03353054
0.2555191	0.2597403	0.1462776	0.3057186	0.05160162
0.1458796	0.3285714	0.6404659	0.1004566	0.005611271
0.03843942	0.4545455	0.263908	0.2374429	0.8484304
0.02943043	0.4753247	0.379353	0.1878669	0.03106853
0.06010069	0.4168831	0.7267975	0.07523375	0.005611271
0.005027637	0.5883117	0.6245516	0.1052403	0.2537564
0.002921129	0.6164339	0.6230368	0.1056981	0.244595
0.06010069	0.4168831	0.8196252	-0.04914112	0.2327169
0.02843302	0.4779221	0.7651043	-0.06436182	0.8356904
0.07443685	0.3974026	0.8511655	-0.04044358	0.01145085
0.5747412	0.1298701	0.3715359	0.1909111	0.03890345
0.0703858	0.4025974	0.7267975	0.07523375	0.008536699
0.08194344	0.3883117	0.4021994	0.1791694	0.03438378
0.03314053	0.4662338	0.5447937	-0.1300283	0.1126113
0.000756706	0.6766234	0.7435803	-0.0704501	0.05160162
0.2136478	0.2831169	0.5611871	0.1248097	0.01909272
0.009895934	0.5493507	0.555698	-0.1265493	0.06864407
0.03906675	0.4532467	0.7161801	-0.07827789	0.2327169
0.001445773	0.6493506	0.6419204	0.1000217	0.7914254

0.1078445	0.361039	0.06660396	0.3805175	0.5984608
0.06369894	0.4116883	0.8480007	0.04131333	0.07778295
0.004240876	0.5974026	0.4943923	0.1465536	0.2913924
0.004791423	0.5909091	0.4738892	-0.1535116	0.2096253
0.008325818	0.5597402	0.5791928	0.1191563	0.6215259
0.002274422	0.6285715	0.9613955	-0.01043705	0.06720191
0.05741566	0.4209159	0.4500192	0.1618095	0.02979232
0.165288	0.3142857	0.4969858	0.1456839	0.4479307
0.01985737	0.5038961	0.9260798	0.02000435	0.2836082
0.3189674	0.2285714	0.2041371	0.2687541	0.01964356
0.03843942	0.4545455	0.1814811	0.2822353	0.4232877
0.09862649	0.3701299	0.7836893	0.05914329	0.003155848
0.07239002	0.4	0.7116452	0.07958252	0.4232877
0.1359967	0.3363636	0.8686107	-0.03565993	0.01297818
0.000187322	0.7272727	0.6390127	-0.1008915	0.07620096
0.007792501	0.5636364	0.7805835	0.06001305	0.6390493
0.08194344	0.3883117	0.8117804	0.05131551	0.3946885
0.1392367	0.3337662	0.4713573	0.1543814	0.007978466
0.06278443	0.412987	0.499586	-0.1448141	0.1168323
0.01842211	0.5090909	0.788354	-0.05783866	0.4940764
0.07239002	0.4	0.3074254	0.2174386	0.1708377
0.08306017	0.387013	0.9421195	0.01565558	0.05772858
0.06369894	0.4116883	0.7071198	0.08088715	0.7231228
0.1774117	0.3059435	0.03229039	0.4380165	0.340523
0.184419	0.3012987	0.8717892	-0.03479017	0.2993048
0.134397	0.3376623	0.8039531	0.05348989	0.428158
0.003050237	0.6142857	0.4525912	-0.1609045	0.1793221
0.006656522	0.5727273	0.7359372	-0.07262448	0.3993801
0.04507829	0.4415585	0.8543326	-0.03957382	0.02020683
0.5367409	0.1428571	0.253242	0.2426615	0.2128287
0.0533704	0.4272727	0.9983909	-0.000434877	0.1348375
0.000307959	0.7103896	0.4563127	-0.1595999	0.390027
0.003130576	0.612987	0.8717892	-0.03479017	0.1278727
0.3022881	0.2363636	0.6624162	0.09393346	0.6926899
0.5367409	0.1428571	0.1936798	0.2748424	0.1256082
0.06098538	0.4155844	0.9823012	0.004783649	0.08605649
0.003839267	0.6025974	0.9983909	0.000434877	0.1736351
0.03097807	0.4714286	0.9823012	-0.004783649	0.06864407
0.1392367	0.3337662	0.7374639	0.07218961	0.2537564
0.01146092	0.5402597	0.5502334	-0.1282888	0.139625
0.01519576	0.5220779	0.7681933	-0.06349207	0.1626286

0.01707135	0.5142857	0.9855188	0.003913894	0.2610265
0.003382285	0.6090909	0.9823012	-0.004783649	0.1680708
0.04507829	0.4415585	0.2278137	0.2557078	0.1372167
0.04299993	0.4454545	0.4033615	0.1787345	0.2573754
0.3450003	0.2168831	0.5598125	0.1252446	0.00825378
0.03419928	0.463787	0.2955629	0.2227055	0.1334428
0.07866027	0.3922078	0.751247	0.06827571	0.06032623
0.03150796	0.4701299	0.8575018	0.03870407	0.3762254
0.0592258	0.4181818	0.4828054	0.1504675	0.2160638
0.2731235	0.2506494	0.5461513	0.1295934	0.1736351
0.04437705	0.4428571	0.7344114	0.07305937	0.06438521
0.02605616	0.4844156	0.5232864	0.1369863	0.001660913
0.07974354	0.3909091	0.5932125	0.1148076	0.04929338
0.05417855	0.425974	0.698098	0.08349641	0.2953326
0.0035593	0.6064935	0.7389915	-0.07175473	0.01964356
0.05750513	0.4207792	0.5777988	0.1195912	0.06032623
0.000709017	0.6792208	0.7914677	-0.05696891	0.04929338
0.13761	0.3350649	0.6921053	0.08523592	0.04386464
0.2482016	0.2636364	0.4918055	0.1474234	0.03985953
0.009083129	0.5545455	0.9806925	-0.005218526	0.3582537
0.1119809	0.3571429	0.5515973	0.1278539	0.04386464
0.002467394	0.6246753	0.9405144	-0.01609045	0.3582537
0.04165618	0.448052	0.3759913	0.1891716	0.2501696
0.1265982	0.3441558	0.3715359	0.1909111	0.2193306
0.0116676	0.5391361	0.9919528	0.002174859	0.0975581
0.1250781	0.3454545	0.5087393	0.14177	0.05278586
0.05499602	0.4246753	0.8765606	0.03348554	0.1851329
0.02794445	0.4792208	0.4068589	0.1774299	0.2226293
0.002401603	0.625974	0.8877097	-0.0304414	0.5757541
0.01985737	0.5038961	0.8243402	0.04783649	0.09869191
0.04871398	0.4350649	0.7543201	0.06740596	0.1599531
0.02605616	0.4844156	0.7344114	0.07305937	0.1044967
0.3847242	0.2	0.136852	0.3126767	0.04816897
0.001671525	0.6428571	0.921273	0.02130898	0.2327169
0.0592258	0.4181818	0.777481	0.0608828	0.1278727
0.2756991	0.2493507	0.9340965	0.01782996	0.1189843
0.3479675	0.2155844	0.4538299	0.1604697	0.004322125
0.0693995	0.4038961	0.4403021	0.1652533	0.4479307
0.07652676	0.3948052	0.6742357	0.09045445	0.003849372
0.05499602	0.4246753	0.9340965	0.01782996	0.05160162
0.0132217	0.5311688	0.600276	0.1126332	0.2874843

0.01122576	0.5415584	0.7481775	0.06914547	0.1546923
0.0693995	0.4038961	0.8448381	0.04218308	0.1324872
0.1864114	0.3	0.4905147	0.1478582	0.002073953
0.1063686	0.3624554	0.7389367	0.07177033	0.1848926
0.08881429	0.3805195	0.6876225	0.08654056	0.1025352
0.003130576	0.612987	0.6477514	0.09828224	0.2684252
0.06010069	0.4168831	0.9148682	0.02304849	0.07620096
0.04165618	0.448052	0.2823157	0.2287454	0.2797642
0.03843942	0.4545455	0.6073747	0.1104588	0.06578236
0.007125384	0.5688311	0.4103731	0.1761252	0.4429442
0.0149	0.5233766	0.8211962	0.04870624	0.03525364
0.0225836	0.4948052	0.878152	0.03305066	0.2684252
0.04507829	0.4415585	0.5625631	0.1243749	0.4479307
0.04232393	0.4467532	0.9132678	0.02348337	0.2327169
0.03720837	0.4571429	0.2630084	0.2378778	0.3716862
0.06187994	0.4142857	0.8448381	0.04218308	0.1736351
0.005794905	0.5805195	0.921273	-0.02130898	0.06165736
0.0177364	0.5116883	0.9148682	0.02304849	0.03890345
0.4202513	0.1857143	0.3941174	0.1822135	0.03985953
0.1133849	0.3558442	0.07655462	0.3683409	0.04283583
0.009895934	0.5493507	0.5113695	0.1409002	0.2647097
0.04232393	0.4467532	0.5048065	0.1430746	0.3582537
0.13761	0.3350649	0.5366808	0.1326375	0.03187312
0.05100137	0.4311688	0.930889	-0.01869972	0.4630613
0.02515076	0.487013	0.9052707	-0.02565775	0.1573077
0.01194327	0.5376623	0.4713573	0.1543814	0.2096253
0.08083793	0.3896104	0.1208923	0.3252881	0.5260614
0.1296778	0.3415585	0.7497118	-0.06871059	0.1006004
0.001671525	0.6428571	0.6682483	-0.092214	0.2797642
0.04650648	0.438961	0.8259132	0.04740161	0.1971279
0.1265982	0.3441558	0.5113695	0.1409002	0.04929338
0.174674	0.3077922	0.4538299	0.1604697	0.005611271
0.04871398	0.4350649	0.3693196	0.1917808	0.4479307
0.0533704	0.4272727	0.5153271	0.1395956	0.3407797
0.152742	0.3233766	0.1063316	0.3378996	0.02321634
0.01376317	0.5285714	0.3605313	0.1952598	0.4579894
0.000219101	0.7220779	0.9100679	0.02435312	0.1793221
0.00680989	0.5714286	0.306435	0.2178735	0.4479307
0.01292266	0.5326405	0.6345866	0.1022184	0.02321634
0.1025035	0.3662338	0.1691541	0.2900631	0.5152947
0.04507829	0.4415585	0.253242	0.2426615	0.6866551

0.04099667	0.4493507	0.2344224	0.2522287	0.3155134
0.06278443	0.412987	0.2352573	0.2517939	0.5589696
0.01842211	0.5090909	0.8117804	0.05131551	0.4993411
0.07758803	0.3935065	0.1567888	0.2983257	0.1680708
0.0703858	0.4025974	0.2352573	0.2517939	0.2096253
0.04232393	0.4467532	0.1599791	0.2961513	0.6041941
0.07547638	0.3961039	0.1415087	0.3091977	0.2993048
0.001323116	0.6532468	0.7131558	-0.07914764	0.4479307
0.1265982	0.3441558	0.3838618	0.1861274	0.03525364
0.03541979	0.4610389	0.1966295	0.2731028	0.182212
0.1544923	0.3220779	0.4600501	0.1582953	0.2647097
0.04946747	0.4337662	0.1864382	0.2791911	0.615727
0.05499602	0.4246753	0.1182838	0.3274625	0.983788
0.3630257	0.2090909	0.4269925	0.170037	0.000939106
0.09990672	0.3688312	0.6580038	0.0952381	0.3538383
0.1634535	0.3155844	0.4464243	0.1630789	0.03438378
0.003296573	0.6103896	0.8590873	-0.03826919	0.02321634
0.1265982	0.3441558	0.2813766	0.2291803	0.7477595
0.06406495	0.4111725	0.6144305	0.108308	0.6567566
0.1544923	0.3220779	0.367111	0.1926506	0.01145085
0.2941524	0.2402597	0.7237588	0.0761035	0.2064536
0.09610224	0.3727273	0.1871538	0.2787563	0.4529458
0.01735869	0.5131537	0.9991953	-0.000217486	0.03470804
0.007792501	0.5636364	0.2205279	0.2596216	0.6746395
0.1965925	0.2935065	0.4245962	0.1709067	0.03438378
0.01949044	0.5051948	0.4162671	0.1739509	0.428158
0.08083793	0.3896104	0.499586	0.1448141	0.02874876
0.09240532	0.3766234	0.1053773	0.3387693	0.772631
0.01460893	0.5246753	0.2889448	0.2257012	0.6686595
0.03906675	0.4532467	0.1981158	0.2722331	0.1348375
0.06098538	0.4155844	0.4879381	0.148728	0.02800615
0.0592258	0.4181818	0.836942	0.04435747	0.6273461
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0.1025035	0.3662338	0.1671578	0.2913677	0.6331874
0.06842364	0.4051948	0.2213297	0.2591868	0.3322311
0.08418818	0.3857143	0.1007008	0.3431181	0.2647097
0.04723355	0.4376623	0.6145079	0.1082844	0.5260614
0.0160711	0.5183501	0.3337575	0.2061766	0.3114134
0.0533704	0.4272727	0.2360941	0.251359	0.5479007
0.165288	0.3142857	0.1182838	0.3274625	0.3114134
0.1064907	0.3623376	0.2278137	0.2557078	0.09869191

0.04871398	0.4350649	0.6965981	0.08393129	0.00303029
0.1708768	0.3103896	0.6073747	0.1104588	0.006710761
0.02843302	0.4779221	0.6173708	0.1074147	0.772631
0.08306017	0.387013	0.1426904	0.3083279	0.6746395
0.6099052	0.1181818	0.5407301	0.1313329	0.06578236
0.2180601	0.2805195	0.5366808	0.1326375	0.1126113
0.03483879	0.4623377	0.07073955	0.375299	0.2096253
0.4855791	0.161039	0.8400987	-0.04348772	0.07938889
0.2007677	0.2909091	0.07180337	0.3739944	0.3451012
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0.09485807	0.374026	0.1300744	0.3178952	0.7477595
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0.06462349	0.4103896	0.2221334	0.2587519	0.4429442
0.0911966	0.3779221	0.2064267	0.2674494	0.2096253
0.06098538	0.4155844	0.5736258	0.1208958	0.4630613
0.0703858	0.4025974	0.0979697	0.3457274	0.3627002
0.02378721	0.4910685	0.4389822	0.1657242	0.2324642
0.7883641	0.06233766	0.5833835	0.1178517	0.1301656
0.1281314	0.3428572	0.09707168	0.3465971	0.2610265
0.04946747	0.4337662	0.0792097	0.3652968	0.6273461
0.05417855	0.425974	0.2585395	0.2400522	0.5927498
0.3189674	0.2285714	0.3475801	0.2004784	0.06032623
0.002467394	0.6246753	0.9501479	-0.01348119	0.09131835
0.001403862	0.6506494	0.6462917	-0.09871712	0.9255179
0.5108526	0.151948	0.5021929	0.1439443	0.1105419
0.00869772	0.5571429	0.4281933	0.1696021	0.2537564
0.007287578	0.5675325	0.7389915	0.07175473	0.390027
0.0911966	0.3779221	0.9726502	0.007392912	0.3196452
0.001624142	0.6441559	0.7930257	-0.05653403	0.1971279
0.02336309	0.4923677	0.3296036	0.2079165	0.3173172
0.1078445	0.361039	0.1599791	0.2961513	0.2160638
0.02217684	0.4961039	0.2558819	0.2413568	0.3582537
0.005400001	0.5844156	0.8290611	0.04653186	0.1851329
0.1078445	0.361039	0.4575567	0.159165	0.2293224
0.1441984	0.3298701	0.6565355	0.09567297	0.01145085
0.06650305	0.4077922	0.2889448	0.2257012	0.6508342
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0.001671525	0.6428571	0.775931	0.06131768	0.01422682
0.0132217	0.5311688	0.3034757	0.2191781	0.2361433
0.05665925	0.4220779	0.2302773	0.2544031	0.5046325
0.0149	0.5233766	0.450119	0.1617743	0.02586745

0.000331436	0.7077922	0.7728334	0.06218743	0.3762254
0.116231	0.3532467	0.0527236	0.400087	0.3114134
0.1884184	0.2987013	0.441523	0.1648184	0.02586745
0.1064907	0.3623376	0.6130785	0.1087193	0.03985953
0.04232393	0.4467532	0.2011111	0.2704936	0.2874843
0.2482016	0.2636364	0.1523981	0.3013699	0.2610265
0.000441332	0.6974026	0.8164852	0.05001087	0.182212
0.0558229	0.4233766	0.2776398	0.2309198	0.7108993
0.01877285	0.5077922	0.3144133	0.2143944	0.3627002
0.01842211	0.5090909	0.4174514	0.173516	0.8868533
0.0403453	0.4506494	0.2253676	0.2570124	0.4940764
0.02605616	0.4844156	0.3235391	0.2104805	0.02078271
0.04232393	0.4467532	0.8877097	0.0304414	0.03269373
0.06098538	0.4155844	0.6477514	0.09828224	0.2226293
0.238498	0.2689185	0.5205353	0.137886	0.7477595
0.2092951	0.2857143	0.3918252	0.1830833	0.03614033
0.02383969	0.4909091	0.5722377	0.1213307	0.2396018
0.02022983	0.5025974	0.4068589	0.1774299	0.4330577
0.01194327	0.5376623	0.3370007	0.2048271	0.4732893
0.3479675	0.2155844	0.1738765	0.2870189	0.03438378
0.001872883	0.6376624	0.8606732	-0.03783431	0.02321634
0.08647832	0.3831169	0.2352573	0.2517939	0.5314833
0.02698723	0.4818182	0.9405144	0.01609045	0.5589696
0.1425309	0.3311688	0.05328836	0.3992172	0.182212
0.04946747	0.4337662	0.7237588	0.0761035	0.03027976
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0.01842211	0.5090909	0.9100679	0.02435312	0.03525364
0.000709017	0.6792208	0.6891156	0.08610567	0.4993411
0.01404057	0.5272727	0.1561562	0.2987606	0.5701355
0.03314053	0.4662338	0.3245628	0.2100457	0.9061605
0.000542957	0.6896104	0.9806925	0.005218526	0.7048124
0.1392367	0.3337662	0.1480951	0.304414	0.5424032
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0.006966166	0.5701299	0.9244772	0.02043923	0.1233722
0.1359967	0.3363636	0.7852434	0.05870841	0.03796502
0.02651845	0.4831169	0.1536436	0.3005001	0.3582537

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0.001872883	0.6376624	0.1016236	-0.3422483	0.09869191
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0.002534694	0.6233766	0.4234008	-0.1713416	0.1348375
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0.001577898	0.6454545	0.4563127	-0.1595999	0.6866551
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0.0592258	0.4181818	0.3638125	-0.1939552	0.385396
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0.01219056	0.5363637	0.03082981	-0.4414003	0.2953326
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0.4403497	0.1779221	0.1561562	0.2987606	0.0265657
0.3246476	0.225974	0.2110577	0.2648402	0.0160382
0.116231	0.3532467	0.8861156	0.03087628	0.1851329
0.471422	0.1662338	0.2889448	0.2257012	0.02137142
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0.2914707	0.2415584	0.6231128	-0.1056751	0.01338429
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0.003743979	0.6038961	0.8861156	-0.03087628	0.03525364
0.01642652	0.5168831	0.6419204	0.1000217	0.3280041
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0.116231	0.3532467	0.2675264	0.2357034	0.3538383
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0.1864114	0.3	0.5694661	0.1222005	0.08267357
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0.000307959	0.7103896	0.6031113	-0.1117634	0.3946885
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0.01040348	0.5462813	0.9060497	0.02544585	0.5813962
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0.005794905	0.5805195	0.6317658	-0.1030659	0.6099496
0.04232393	0.4467532	0.5667004	-0.1230702	0.7415774
0.0035593	0.6064935	0.470094	-0.1548163	0.09312306
0.0000846	0.7519481	0.2804394	-0.2296151	0.3807954
0.004240876	0.5974026	0.8211962	-0.04870624	0.3364896
0.001445773	0.6493506	0.6668396	-0.09262884	0.5479007
0.002337286	0.6272727	0.698098	-0.08349641	0.5152947
0.000975728	0.6662338	0.2141835	-0.2631007	0.1910679
0.00869772	0.5571429	0.5061158	-0.1426397	0.2361433

0.03483879	0.4623377	0.5366808	0.1326375	0.3762254
0.001104024	0.6610389	0.4513542	-0.1613394	0.390027
0.02560028	0.4857143	0.3245628	-0.2100457	0.2759524
0.000600843	0.6857143	0.5861846	-0.116982	0.4184467
0.002603522	0.6220779	0.3737598	-0.1900413	0.139625
0.007967063	0.5623376	0.6317658	-0.1030659	0.6866551
0.006358313	0.5753247	0.9052707	-0.02565775	0.8040168
0.004908349	0.5896104	0.4865566	-0.1491953	0.07603286
0.007452805	0.5662338	0.9630029	0.01000217	0.4732893
0.01122576	0.5415584	0.6173708	-0.1074147	0.4232877
0.01376317	0.5285714	0.5639407	-0.12394	0.4529458
0.00024588	0.7181818	0.5639407	-0.12394	0.3238088
0.006656522	0.5727273	0.306435	-0.2178735	0.1573077
0.03541979	0.4610389	0.3929703	-0.1826484	0.3238088
0.007621093	0.5649351	0.6668396	-0.09262884	0.6987425
0.004137339	0.5987013	0.6031113	-0.1117634	0.6099496
0.008144815	0.561039	0.8972826	-0.02783214	0.4836281
0.002558212	0.6229296	0.9871249	-0.003479774	0.5645405
0.02943043	0.4753247	0.7344114	-0.07305937	0.5870615
0.01122576	0.5415584	0.836942	-0.04435747	0.4579894
0.001006552	0.6649351	0.555698	-0.1265493	0.5369306
0.01122576	0.5415584	0.7131558	-0.07914764	0.8932828
0.13761	0.3350649	0.777481	0.0608828	0.5424032
0.003050237	0.6142857	0.3497193	-0.1996086	0.3627002
0.000600843	0.6857143	0.6594734	-0.09480322	0.3280041
0.004240876	0.5974026	0.9533607	0.01261144	0.9319797
0.012442	0.5350649	0.6462917	0.09871712	0.5046325
0.0177364	0.5116883	0.4234008	-0.1713416	0.03353054
0.01269764	0.5337662	0.6317658	-0.1030659	0.4330577
0.005529078	0.5831169	0.1738765	-0.2870189	0.4088537
0.009083129	0.5545455	0.470094	0.1548163	0.615727
0.000833343	0.6727273	0.7374639	-0.07218961	0.3407797
0.01032409	0.5467532	0.6477514	-0.09828224	0.4732893
0.03906675	0.4532467	0.4464243	-0.1630789	0.2836082
0.003296573	0.6103896	0.4513542	-0.1613394	0.5099505
0.07239002	0.4	0.590397	-0.1156773	0.1006004
0.008510099	0.5584416	0.6876225	-0.08654056	0.5645405
0.001769793	0.6402597	0.3245628	-0.2100457	0.1680708
0.08647832	0.3831169	0.5988605	-0.1130681	0.1599531
0.000074	0.7558442	0.2056615	-0.2678843	0.2327169
0.005149312	0.587013	0.7313629	-0.07392912	0.5984608

0.007512789	0.5657681	0.886091	-0.03088299	0.2573754
0.00680989	0.5714286	0.9116677	0.02391824	0.3238088
0.02943043	0.4753247	0.9887366	0.00304414	0.8997187
0.001173352	0.6584415	0.6757185	-0.09001957	0.3716862
0.006966166	0.5701299	0.6216753	-0.10611	0.5099505
0.02560028	0.4857143	0.7992655	-0.05479452	0.2193306
0.01054375	0.5454546	0.4943923	-0.1465536	0.3155134
0.009482411	0.5519481	0.9501479	-0.01348119	0.7477595
0.003050237	0.6142857	0.5736258	-0.1208958	0.3364896
0.008510099	0.5584416	0.5313038	0.134377	0.3196452
0.004454416	0.5948052	0.5074267	-0.1422048	0.3238088
0.004564487	0.5935065	0.8797438	-0.03261579	0.5701355
0.01949044	0.5051948	0.9774753	0.00608828	0.7354104
0.004676812	0.5922078	0.2369329	-0.2509241	0.2993048
0.002274422	0.6285715	0.3054466	-0.2183083	0.1680708
0.001872883	0.6376624	0.8322116	-0.0456621	0.4529458
0.01611156	0.5181818	0.8590873	-0.03826919	0.7539562
0.007792501	0.5636364	0.7222411	-0.07653838	0.4429442
0.008510099	0.5584416	0.7961441	-0.05566427	0.6866551
0.008209566	0.5605717	0.6571994	-0.09547629	0.7851479
0.004791423	0.5909091	0.07844411	-0.3661666	0.4784449
0.01740132	0.512987	0.7389915	0.07175473	0.2913924
0.01054375	0.5454546	0.6609442	-0.09436835	0.6987425
0.03369923	0.4649351	0.9485418	0.01391607	0.7663923
0.0592258	0.4181818	0.922875	-0.0208741	0.7914254
0.02427052	0.4896104	0.5819851	-0.1182866	0.6508342
0.002152948	0.6311688	0.4513542	-0.1613394	0.3716862
0.003650666	0.6051948	0.5061158	-0.1426397	0.3322311
0.01099454	0.5428572	0.5420831	-0.130898	0.2193306
0.02470753	0.4883117	0.3704268	-0.1913459	0.4232877
0.005660704	0.5818182	0.8102135	-0.05175038	0.4784449
0.009083129	0.5545455	0.9790839	0.005653403	0.3364896
0.003650666	0.6051948	0.6550683	0.09610786	0.3196452
0.001104024	0.6610389	0.5232864	-0.1369863	0.3807954
0.05750513	0.4207792	0.6521378	0.09697761	0.3807954
0.02605616	0.4844156	0.830636	0.04609698	0.6449317
0.01054375	0.5454546	0.8670222	-0.0360948	0.2293224
0.01122576	0.5415584	0.6995989	0.08306154	0.390027
0.04796936	0.4363636	0.9453303	-0.01478582	0.3114134
0.006656522	0.5727273	0.8606732	-0.03783431	0.7108993
0.01807664	0.5103896	0.9774753	-0.00608828	0.7663923

0.02470753	0.4883117	0.9340965	0.01782996	0.4330577
0.00607121	0.5779221	0.7131558	0.07914764	0.6926899
0.01912895	0.5064935	0.3380499	-0.2043923	0.4529458
0.04650648	0.438961	0.9084685	0.024788	0.4184467
0.000356431	0.7051948	0.6059521	-0.1108937	0.4888387
0.0342653	0.4636364	0.775931	0.06131768	0.5424032
0.1425309	0.3311688	0.6921053	0.08523592	0.5870615
0.01707135	0.5142857	0.921273	0.02130898	0.2953326
0.004035914	0.6	0.7852434	-0.05870841	0.4379864
0.02515076	0.487013	0.8956861	-0.02826701	0.615727
0.002894719	0.6168831	0.7237588	-0.0761035	0.5984608
0.001403862	0.6506494	0.5313038	-0.134377	0.3671777
0.04507829	0.4415585	0.8606732	-0.03783431	0.8676065
0.06369894	0.4116883	0.6231128	0.1056751	0.4330577
0.3753372	0.2038961	0.7697392	0.06305718	0.4579894
0.2680179	0.2532468	0.775931	-0.06131768	0.7170028
0.004240876	0.5974026	0.9581811	-0.01130681	0.1546923
0.4103911	0.1896104	0.5875873	0.1165471	0.1940822
0.000524751	0.6909091	0.5008886	-0.1443792	0.7108993
0.2180601	0.2805195	0.7313629	0.07392912	0.8997187
0.01580147	0.5194805	0.8654342	-0.03652968	0.06720191
0.4038885	0.1922078	0.8008273	-0.05435964	0.8804305
0.000916479	0.6688312	0.3266163	0.2091759	0.7663923
0.1562565	0.3207792	0.3475801	0.2004784	0.4529458
0.01740132	0.512987	0.2776398	0.2309198	0.2193306
0.002212987	0.6298701	0.7697392	0.06305718	0.6041941
0.008510099	0.5584416	0.3134091	0.2148293	0.02800615
0.01611156	0.5181818	0.3286775	0.2083062	0.1064848
0.005794905	0.5805195	0.9983909	0.000434877	0.1470256
0.02716691	0.4813251	0.7681443	-0.06350587	0.03693135
0.01122576	0.5415584	0.3605313	0.1952598	0.2721727
0.000187322	0.7272727	0.5946223	-0.1143727	0.4579894
0.007287578	0.5675325	0.7497118	-0.06871059	0.7354104
0.08083793	0.3896104	0.1885908	0.2778865	0.1006004
0.000227734	0.7207792	0.8102135	0.05175038	0.05646163
0.06842364	0.4051948	0.8511655	0.04044358	0.2466149
0.0291188	0.4761286	0.147395	0.3049152	0.4184467
0.07866027	0.3922078	0.9357006	0.01739509	0.5046325
0.00869772	0.5571429	0.137428	-0.3122418	0.7231228
0.1580347	0.3194805	0.4234008	-0.1713416	0.2573754
0.005931731	0.5792208	0.7298401	-0.07436399	0.8612061

0.02746254	0.4805195	0.9437248	0.0152207	0.4681614
0.5786044	0.1285714	0.8877097	-0.0304414	0.7663923
0.152742	0.3233766	0.6102239	-0.109589	0.3238088
0.1133849	0.3558442	0.7116452	-0.07958252	0.2953326
0.0592258	0.4181818	0.5246186	-0.1365514	0.3155134
0.01519576	0.5220779	0.8813361	-0.03218091	0.6686595
0.152742	0.3233766	0.9646105	0.009567297	0.5314833
0.1458796	0.3285714	0.8654342	0.03652968	0.5260614
0.002745891	0.6194805	0.937305	-0.01696021	0.4784449
0.000255409	0.7168831	0.9084685	-0.024788	0.7108993
0.001209375	0.6571429	0.5100536	-0.1413351	0.8740148
0.7840545	0.06363636	0.2181342	-0.2609263	0.9061605
0.8712435	-0.03766234	0.2985828	-0.2213525	0.7977151
0.4302379	-0.1818182	0.6448334	-0.09915199	0.9190605
0.2579886	-0.2584416	0.2360941	-0.251359	0.8040168
0.5072039	-0.1532468	0.6433038	-0.09960853	0.9902724
0.007125384	-0.5688311	0.8039531	0.05348989	0.8103299
0.07758803	-0.3935065	0.4675725	-0.155686	0.7292587
0.13761	-0.3350649	0.4139039	-0.1748206	0.6806382
0.08306017	-0.387013	0.9292857	-0.01913459	0.8356904
0.08647832	-0.3831169	0.4390831	-0.1656882	0.8356904
0.06010069	-0.4168831	0.6846396	-0.08741031	0.4479307
0.1727683	-0.3090909	0.8861156	0.03087628	0.951388
0.1492832	-0.325974	0.2126167	-0.2639704	0.3033091
0.07758803	-0.3935065	0.8117804	-0.05131551	0.2913924
0.4268951	-0.1831169	0.3225172	-0.2109154	0.9061605
0.09862649	-0.3701299	0.2832568	-0.2283105	0.8420557
0.1425309	-0.3311688	0.37711	-0.1887367	0.7170028
0.1051493	-0.3636364	0.5611871	-0.1248097	0.8548139
0.9955423	-0.001298701	0.3114067	-0.2156991	0.5534229
0.1708768	-0.3103896	0.6801738	-0.08871494	0.951388
0.2158465	-0.2818182	0.07144742	-0.3744292	0.5424032
0.207141	-0.287013	0.5126871	-0.1404653	0.8932828
0.5181876	-0.1493506	0.4127251	-0.1752555	0.8804305
0.2680179	-0.2532468	0.8972826	0.02783214	0.4784449
0.01122576	-0.5415584	0.8259132	-0.04740161	0.8420557
0.09990672	-0.3688312	0.8543326	-0.03957382	0.4784449
0.9332058	-0.01948052	0.1152079	-0.3300718	0.4836281
0.4891511	-0.1597403	0.1914874	-0.276147	0.9061605
0.7840545	-0.06363636	0.2879919	-0.2261361	0.7048124
0.3050303	-0.2350649	0.2523659	-0.2430963	0.4732893

0.4403497	-0.1779221	0.06933983	-0.3770385	0.7977151
0.7625998	0.07012987	0.8274868	-0.04696673	0.9126079
0.5863643	0.125974	0.06460688	-0.3831268	0.4041019
0.002745891	0.6194805	0.7743818	-0.06175256	0.1301656
0.3050303	0.2350649	0.890899	-0.02957165	0.2913924
0.3022881	0.2363636	0.4879381	-0.148728	0.5645405
0.04059671	0.4501462	0.8062581	0.05284907	0.179084
0.8977307	0.02987013	0.4390831	-0.1656882	0.8166542
0.2457926	0.2649351	0.9630029	-0.01000217	0.3582537
0.001209375	0.6571429	0.5393788	-0.1317678	0.1851329
0.01146092	0.5402597	0.8575018	-0.03870407	0.2064536

ood memory CD4 T ce	D38+DR+ in blood memory CD8 T ce		%CD38+DR+ in gut CD4 T cells	
Spearman rho value	unadjusted P v	Spearman rho value	unadjusted P v	Spearman rho value
0.3560371	0.001236786	0.6993805	0.006251763	0.618163
0.3890609	0.03374132	0.5020664	0.05521566	0.4592363
0.3395253	0.1332268	0.3677688	0.1233722	0.376677
0.3601651	0.2237884	0.3016531	0.08101904	0.4220846
0.4922601	0.1285895	0.371901	0.6390493	0.1186791
0.1805986	0.2012641	0.3161159	0.7477595	0.08152734
0.3230134	0.04572278	0.4762399	0.01651841	0.5562435
0.5810114	0.03047132	0.5103309	0.006710761	0.6140351
0.3209494	0.1308938	0.3698349	0.6331874	0.120743
0.1723426	0.05074568	0.4669424	0.001985197	0.6780186
0.504644	0.1478362	0.3553721	0.6449317	0.1166151
0.6697627	0.05431864	0.4607441	0.3407797	0.2383901
0.2899897	0.1164229	0.3832647	0.02321634	0.5314757
0.120743	0.281166	0.2685952	0.001985197	0.6780186
0.122807	0.2568628	0.2820249	0.4379864	0.1950464
0.4055727	0.08742493	0.4142564	0.04816897	0.4716202
0.2404541	0.009812876	0.5909094	0.001899603	0.6800826
0.5479876	0.06832538	0.4390498	0.4232877	0.2012384
0.3188854	0.06688672	0.4411159	0.01380043	0.5686275
0.50258	0.1164229	0.3832647	0.6449317	0.1166151
0.4654283	0.06407707	0.4452482	0.1025352	0.3973168
0.624355	0.03047132	0.5103309	0.1044967	0.3952528
-0.04850361	0.05807761	0.4545457	0.01074306	0.5851393
0.508772	0.03374132	0.5020664	0.1256082	0.374613
0.624355	0.04059476	0.4865705	0.1880848	0.3250774
0.2837977	0.001871158	0.6807855	0.009747497	0.5913312
0.2891069	0.003490229	0.6501293	0.007539953	0.6071245
0.2961816	0.2425834	0.2902894	0.09680964	0.4035088
0.05263158	0.483169	0.176653	0.5152947	0.1640867
0.5810114	0.03503494	0.4989672	0.7977151	0.06501548
0.4901961	0.2188306	0.3047522	0.8548139	0.04643963
0.5995872	0.002586397	0.6652896	0.01651841	0.5562435
0.500516	0.005547708	0.6250004	0.03614033	0.496388
0.3869969	0.1529421	0.3512399	0.07464278	0.4303406
0.4654283	0.04902722	0.4700416	0.1301656	0.370485
0.5459237	0.05371039	0.4617771	0.3582537	0.2301342
0.4385965	0.2271336	0.2995869	0.03027976	0.5108359
0.2961816	0.3802908	0.2200414	0.5260614	0.1599587
0.06707946	0.06547069	0.4431821	0.004489849	0.6367389

0.1331269	0.06905323	0.4380168	0.03187312	0.506708
0.4262126	0.003051503	0.6570252	0.003558372	0.6491228
0.2631579	0.0209171	0.5392565	0.008536699	0.5995872
0.3106295	0.2305108	0.2975208	0.09312306	0.4076367
0.124871	0.007630805	0.6064053	0.00825378	0.6016512
0.4406605	0.03166747	0.5072317	0.04706411	0.4736842
0.5121322	0.003889596	0.6444445	0.02070421	0.5400104
0.1909185	0.003051503	0.6570252	0.002073953	0.6759546
0.2672859	0.04518891	0.477273	0.007710606	0.6057792
0.5438597	0.06270564	0.4473143	0.4379864	0.1950464
0.2012384	0.0270918	0.5196284	0.002261306	0.6718266
0.6553147	0.005649745	0.6239673	0.03704404	0.4943241
0.2012384	0.02745221	0.5185953	0.03525364	0.498452
0.5727554	0.06688672	0.4411159	0.9708224	0.009287925
0.4282766	0.03867145	0.4907027	0.07010904	0.4365325
0.1186791	0.03086608	0.5092978	0.008827375	0.5975232
0.2136223	0.7136651	0.09297526	0.08778524	0.4138287
0.6037152	0.02005277	0.5423557	0.08778524	0.4138287
0.3828689	0.5530083	0.1497935	0.4330577	0.1971104
0.1723426	0.1174939	0.3822316	0.4041019	0.2094943
0.3374613	0.1703679	0.3378101	0.7851479	0.06914344
0.4551083	0.2091299	0.3109506	0.1084998	0.3911249
0.08978328	0.1516544	0.3522729	0.00303029	0.6573787
0.2385132	0.1632824	0.3431525	0.01694108	0.5544658
0.2590299	0.8133011	-0.05991739	0.4330577	0.1971104
-0.1991744	0.3965312	0.21281	0.06578236	0.4427245
0.3312694	0.3007859	0.2582646	0.3762254	0.2218782
0.2115583	0.06978683	0.4369837	0.009747497	0.5913312
0.5417957	0.07985608	0.4235539	0.02451391	0.5273478
0.3085655	0.1132515	0.3863638	0.02321634	0.5314757
0.3663571	0.1122081	0.3873969	0.06864407	0.4385965
0.2156863	0.1153588	0.3842977	0.06032623	0.4509804
0.372549	0.007762832	0.6053723	0.01556912	0.5603715
0.1001032	0.3533269	0.2324381	0.2128287	0.3085655
0.374613	0.04361571	0.4803722	0.01855413	0.5479876
0.4158927	0.1122081	0.3873969	0.04816897	0.4716202
0.3353973	0.06760321	0.4400829	0.03985953	0.4881321
0.4385965	0.05493207	0.459711	0.01700992	0.5541795
0.2837977	0.05074568	0.4669424	0.06720191	0.4406605
0.3622291	0.2987878	0.2592977	0.4088537	0.2074303
0.3436533	0.3621908	0.2283059	0.1084998	0.3911249

0.2796698	0.0333184	0.5030994	0.007450052	0.6078432
0.3395253	0.09366286	0.407025	0.05646163	0.4571723
0.3642931	0.00213454	0.6745871	0.000297662	0.7543859
0.2817338	0.005649745	0.6239673	0.000335298	0.750258
0.6016512	0.08484626	0.4173556	0.02137142	0.5376677
0.3675788	0.002969814	0.658398	0.000702558	0.7227672
0.4509804	0.02855581	0.5154961	0.008536699	0.5995872
0.2218782	0.03416837	0.5010333	0.007710606	0.6057792
0.3065015	0.002427787	0.6683888	0.001985197	0.6780186
0.3353973	0.02568688	0.5237606	0.02950656	0.5128999
0.4447885	0.01521033	0.5619838	0.004841234	0.6326109
0.6862745	0.005858393	0.6219012	0.06578236	0.4427245
0.4695562	0.110142	0.389463	0.01964356	0.5438597
0.2610939	0.002696802	0.6632235	0.000036	0.8163055
0.5438597	0.02969352	0.512397	0.07778295	0.4262126
0.4509804	0.02273344	0.5330581	0.004841234	0.6326109
0.4695562	0.07277899	0.4328515	0.05521566	0.4592363
0.4798762	0.02336554	0.530992	0.008536699	0.5995872
0.4881321	0.03773638	0.4927689	0.02020683	0.5417957
0.2301342	0.1002166	0.3997936	0.0630103	0.4468524
0.4798762	0.0441354	0.4793391	0.07310819	0.4324045
0.2301342	0.09736869	0.4028928	0.06720191	0.4406605
0.2858617	0.01047214	0.5867772	0.002073953	0.6759546
0.3044376	0.003512826	0.6497937	0.000247907	0.7605779
0.4026846	0.09577899	0.4046512	0.1052914	0.3944244
0.4633643	0.01116643	0.5826449	0.002073953	0.6759546
0.3271414	0.04208456	0.4834713	0.02385822	0.5294118
0.3023736	0.002753441	0.6621904	0.002261306	0.6718266
0.1413829	0.1207486	0.3791324	0.04083349	0.4860681
0.4014448	0.01814506	0.5495871	0.00647797	0.6160991
0.3457172	0.07277899	0.4328515	0.01466361	0.5644995
0.3952528	0.05016788	0.4679755	0.006251763	0.618163
0.4716202	0.2478779	0.2871902	0.1851329	0.3271414
0.2961816	0.02401133	0.5289259	0.003701532	0.6470588
0.372549	0.06477108	0.4442151	0.07010904	0.4365325
0.380805	0.225457	0.30062	0.04597858	0.4757482
0.6388029	0.04518891	0.477273	0.01181846	0.5789474
0.1909185	0.005547708	0.6250004	0.00303029	0.6573787
0.6449949	0.009974481	0.5898764	0.01040255	0.5872033
0.4654283	0.0270918	0.5196284	0.03985953	0.4881321
0.2652219	0.1332268	0.3677688	0.05521566	0.4592363

0.3498452	0.03008047	0.5113639	0.004489849	0.6367389
0.368421	0.1070938	0.3925622	0.01109244	0.5830753
0.6759546	0.03820173	0.4917358	0.007710606	0.6057792
0.3273103	0.09717962	0.4031008	0.04170442	0.4842541
0.3973168	0.1703679	0.3378101	0.1910679	0.3230134
0.2755418	0.0109895	0.583678	0.01109244	0.5830753
0.4282766	0.06547069	0.4431821	0.01219544	0.5768834
0.2693498	0.002929254	0.6590912	0.000169139	0.7729618
0.4427245	0.02181045	0.5361573	0.09869191	0.4014448
0.1929825	0.03503494	0.4989672	0.02078271	0.5397317
0.498452	0.1041063	0.3956614	0.2293224	0.2982456
0.2755418	0.09275256	0.4080581	0.01007075	0.5892673
0.1909185	0.004695027	0.6342978	0.000589052	0.7296182
0.2961816	0.101179	0.3987606	0.09495344	0.4055727
0.2239422	0.003308586	0.6528929	0.000091	0.7915376
0.3353973	0.01521033	0.5619838	0.006032003	0.620227
0.4489164	0.08742493	0.4142564	0.01338429	0.5706914
0.4901961	0.03047132	0.5103309	0.05399047	0.4613003
0.4881321	0.07744328	0.4266531	0.009747497	0.5913312
0.4819402	0.1876021	0.3254134	0.06720191	0.4406605
0.2776058	0.07985608	0.4235539	0.004489849	0.6367389
0.2301342	0.002043549	0.6766533	0.000807071	0.7172343
0.506708	0.2237884	0.3016531	0.3407797	0.2383901
0.1847265	0.09643248	0.4039258	0.200205	0.3168215
0.3477812	0.08655911	0.4152895	0.04083349	0.4860681
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0.1599587	0.01567133	0.5599176	0.00303029	0.6573787
0.3993808	0.08399916	0.4183887	0.1064848	0.3931889
0.2693498	0.1608257	0.3450415	0.03106853	0.508772
0.3188854	0.1367805	0.3646696	0.06165736	0.4489164
0.4695562	0.009340641	0.5940086	0.001737546	0.6842105
0.624355	0.01013821	0.5888433	0.00647797	0.6160991
0.1909185	0.01116643	0.5826449	0.004489849	0.6367389
0.2383901	0.01286354	0.5733474	0.000986925	0.7089784
0.5314757	0.01590593	0.5588846	0.0630103	0.4468524
0.1867905	0.01814506	0.5495871	0.04083349	0.4860681
0.3312694	0.001457958	0.6921491	0.00647797	0.6160991
0.1909185	0.006522147	0.6157028	0.001587099	0.6883385
0.5314757	0.08315827	0.4194217	0.1851329	0.3271414
0.1640867	0.01662652	0.5557854	0.002677983	0.6635707
0.1021672	0.04790629	0.4721077	0.009125963	0.5954592

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0.1475748	0.01567133	0.5599176	0.004159551	0.6408669
0.1702786	0.04158339	0.4845044	0.08101904	0.4220846
0.3395253	0.0132672	0.5712813	0.001318439	0.6965944
0.3106295	0.001999268	0.6776863	0.000112654	0.7853457
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0.498452	0.05250926	0.4638432	0.03890345	0.4901961
0.3292054	0.002181274	0.6735541	0.001036757	0.7069144
0.2776058	0.02893123	0.5144631	0.01338429	0.5706914
0.126935	0.02211478	0.5351242	0.00647797	0.6160991
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0.7110423	0.1344041	0.3667357	0.4232877	0.2012384
0.2321981	0.3232928	0.246901	0.02020683	0.5417957
0.500516	0.05743798	0.4555787	0.3494541	0.2342621
0.5314757	0.000593353	0.7293392	0.000558033	0.7316821
0.08152734	0.08484626	0.4173556	0.1680708	0.3395253
0.1124871	0.15685	0.3481407	0.1680708	0.3395253
0.5810114	0.05937292	0.4524796	0.3671777	0.2260062
0.3126935	0.05743798	0.4555787	0.03890345	0.4901961
0.1888545	0.009812876	0.5909094	0.004002006	0.6429309
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0.1062951	0.00918735	0.5950416	0.000129364	0.7812178
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0.1991744	0.01030409	0.5878102	0.01145085	0.5810114
0.5149639	0.09550278	0.4049589	0.2953326	0.2610939
0.07327142	0.01453907	0.565083	0.002165959	0.6738906
0.1083591	0.03374132	0.5020664	0.007196655	0.6099072
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0.5170279	0.07508447	0.4297523	0.2953326	0.2610939
-0.122807	0.05872259	0.4535126	0.05043752	0.4674923
0.3106295	0.03008047	0.5113639	0.0180276	0.5500516
0.120743	0.01189706	0.5785127	0.004662844	0.6346749
0.2425181	0.002043549	0.6766533	0.001587099	0.6883385
0.2776058	0.009036088	0.5960747	0.004841234	0.6326109
0.1599587	0.02467099	0.5268598	0.000655434	0.7254902
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0.1517028	0.01152713	0.5805788	0.003558372	0.6491228
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0.4014448	0.0215094	0.5371904	0.02137142	0.5376677

0.6573787	0.02534469	0.5247937	0.3716862	0.2239422
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0.07327142	0.1332268	0.3677688	0.3114134	0.252838
0.1062951	0.0136809	0.5692152	0.00303029	0.6573787
0.4427245	0.1111716	0.38843	0.03353054	0.50258
0.3869969	0.04259032	0.4824383	0.02518359	0.5252838
0.3106295	0.003242709	0.653926	0.001318439	0.6965944
0.4241486	0.08917544	0.4121903	0.005611271	0.624355
0.2363261	0.007500588	0.6074383	0.01109244	0.5830753
0.03405573	0.003952333	0.6435954	0.000621502	0.7275542
0.08152734	0.01047214	0.5867772	0.001660913	0.6862745
0.2858617	0.02534469	0.5247937	0.01466361	0.5644995
0.1929825	0.01152713	0.5805788	0.002791462	0.6615067
0.3106295	0.008886835	0.5971078	0.001381772	0.6945304
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0.2280702	0.05680361	0.4566118	0.06438521	0.4447885
0.2963346	0.0109383	0.5839794	0.006557788	0.6153847
0.370485	0.1453278	0.3574382	0.09312306	0.4076367
0.2796698	0.01171093	0.5795457	0.01338429	0.5706914
0.122807	0.02336554	0.530992	0.007710606	0.6057792
0.1351909	0.008886835	0.5971078	0.000939106	0.7110423
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0.2156863	0.000833931	0.7159095	0.000528393	0.7337461
0.24871	0.06270564	0.4473143	0.05772858	0.4551083
0.3188854	0.001913085	0.6797524	0.05399047	0.4613003
0.249871	0.00230995	0.6708011	0.000383752	0.7454828
0.3065015	0.003308586	0.6528929	0.000528393	0.7337461
0.2301342	0.007630805	0.6064053	0.004322125	0.6388029
0.3271414	0.1132515	0.3863638	0.1736351	0.3353973
0.2982456	0.06978683	0.4369837	0.03187312	0.506708
0.5810114	0.1981731	0.318182	0.5813962	0.1393189
0.1145511	0.0109895	0.583678	0.005818551	0.622291
0.2817338	0.2356366	0.2944216	0.06864407	0.4385965
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0.2941177	0.006997543	0.6115706	0.009125963	0.5954592
0.1682146	0.0203377	0.5413226	0.007710606	0.6057792
0.5232198	0.003242709	0.653926	0.03353054	0.50258

0.2218782	0.01030409	0.5878102	0.0265657	0.5211558
0.252838	0.01227644	0.5764466	0.00825378	0.6016512
0.5232198	0.06547069	0.4431821	0.3364896	0.2404541
0.4881321	0.02745221	0.5185953	0.01751292	0.5521156
0.2652219	0.008032434	0.6033061	0.007450052	0.6078432
0.2796698	0.05191634	0.4648763	0.07938889	0.4241486
0.3292054	0.004695027	0.6342978	0.01466361	0.5644995
0.09391125	0.02893123	0.5144631	0.009432618	0.5933952
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0.03611971	0.02893123	0.5144631	0.01109244	0.5830753
0.1723426	0.01543947	0.5609507	0.002791462	0.6615067
0.5397317	0.02304779	0.5320251	0.02451391	0.5273478
0.504644	0.01543947	0.5609507	0.04929338	0.4695562
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0.08152734	0.03547451	0.4979342	0.0590167	0.4530444
0.496388	0.0600286	0.4514465	0.3671777	0.2260062
0.2920537	0.1091191	0.3904961	0.06578236	0.4427245
0.1971104	0.0203377	0.5413226	0.007196655	0.6099072
0.1805986	0.008886835	0.5971078	0.01074306	0.5851393
0.500516	0.08484626	0.4173556	0.2466149	0.2879257
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0.1578947	0.02603267	0.5227275	0.001817081	0.6821465
0.1475748	0.02181045	0.5361573	0.01074306	0.5851393
0.3292054	0.02181045	0.5361573	0.01511098	0.5624355
0.5108359	0.09926071	0.4008267	0.2759524	0.2714138
0.4365325	0.009036088	0.5960747	0.01297818	0.5727554
0.1517028	0.05680361	0.4566118	0.007196655	0.6099072
0.3849329	0.1491015	0.354339	0.1764632	0.3333333
0.1682146	0.07354158	0.4318184	0.2226293	0.3023736
0.4633643	0.01894429	0.5464879	0.04182551	0.4840041
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0.1434468	0.03820173	0.4917358	0.008827375	0.5975232
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0.1991744	0.3757195	0.2221076	0.05160162	0.4654283
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0.3292054	0.01476015	0.5640499	0.01145085	0.5810114
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0.4014448	0.08232353	0.4204548	0.006251763	0.618163
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0.2714138	0.09831141	0.4018597	0.1420625	0.3601651
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0.2796698	0.02467099	0.5268598	0.006710761	0.6140351
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0.2301342	0.03289958	0.5041325	0.01338429	0.5706914
0.1434468	0.2792482	0.2696283	0.1573077	0.3477812
0.2776058	0.07127129	0.4349176	0.01109244	0.5830753
0.2652219	0.03289958	0.5041325	0.006032003	0.620227
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0.2860093	0.01983513	0.5431525	0.01272207	0.5740837
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0.2260062	0.006522147	0.6157028	0.001817081	0.6821465
0.3539732	0.1251866	0.3750002	0.02727853	0.5190918
0.1640867	0.05807761	0.4545457	0.00647797	0.6160991
0.1929825	0.1788457	0.3316118	0.04929338	0.4695562
0.1145511	0.6593935	-0.1115703	0.5645405	0.1455108
0.3353973	0.1491015	0.354339	0.01466361	0.5644995
0.05469556	0.3359752	0.2407026	0.03353054	0.50258
0.128999	0.258684	0.2809919	0.1599531	0.3457172
0.2342621	0.7506062	0.08057856	0.2610265	0.2796698
0.1888545	0.139186	0.3626035	0.114708	0.3849329
0.3230134	0.9935081	-0.002066117	0.5984608	0.1331269
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0.3250774	0.2987878	0.2592977	0.05772858	0.4551083
0.1455108	0.1344041	0.3667357	0.02451391	0.5273478
0.3353973	0.2155652	0.3068183	0.04083349	0.4860681
0.2136223	0.4424638	0.1931819	0.09131835	0.4097007
0.374613	0.4012396	0.2107439	0.3582537	0.2301342
0.2343831	0.1401798	0.3617572	0.004723144	0.6339701
0.2094943	0.2155652	0.3068183	0.01964356	0.5438597
0.380805	0.692387	0.1002067	0.08953914	0.4117647
0.2672859	0.8228091	-0.05681821	0.3993801	0.2115583
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0.3498452	0.3170589	0.2500001	0.1006004	0.3993808
0.3477812	0.08917544	0.4121903	0.02321634	0.5314757
0.3188854	0.2204752	0.3037192	0.04491215	0.4778122
0.1929825	0.09926071	0.4008267	0.02197313	0.5356037
0.5583075	0.3129427	0.2520663	0.8612061	0.04437564
0.1475748	0.008886835	0.5971078	0.002360084	0.6697627
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0.5252838	0.0215094	0.5371904	0.1940822	0.3209494
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0.4014448	0.3048061	0.2561985	0.02950656	0.5128999
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0.5128999	0.371179	0.2241737	0.8420557	-0.0505676
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0.6346749	0.005447179	0.6260334	0.09312306	0.4076367
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0.2404541	0.3191289	-0.2489671	0.3280041	-0.244582
0.05988643	0.7942567	-0.06614988	0.9061122	0.02994321
0.4468524	0.1207486	0.3791324	0.1736351	0.3353973
0.1682146	0.006997543	0.6115706	0.004662844	0.6346749
0.3085655	0.08067247	0.4225209	0.01751292	0.5521156
0.2115583	0.4524703	0.1890497	0.09680964	0.4035088
0.4922601	0.3689204	0.2252067	0.7415774	-0.08359133
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0.120743	0.5697328	-0.1435951	0.8612061	-0.04437564
0.02579979	0.3274886	0.2448348	0.07464278	0.4303406
0.2115583	0.9157469	-0.02685952	0.8997187	0.03199174
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0.3188854	0.04208456	0.4834713	0.01297818	0.5727554
0.1372549	0.23392	0.2954547	0.5099505	0.1661507
0.3312694	0.01590593	0.5588846	0.01909272	0.5459237

0.3312694	0.1240665	0.3760332	0.4429442	0.1929825
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0.244582	0.2623504	0.2789258	0.07778295	0.4262126
0.3642931	0.04626143	0.4752069	0.05772858	0.4551083
0.2321981	0.02242244	0.5340912	0.000589052	0.7296182
0.1909185	0.006997543	0.6115706	0.003285642	0.6532508
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0.1764706	0.003308586	0.6528929	0.001142719	0.7027864
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0.09184726	0.2043867	0.3140498	0.01964356	0.5438597
0.3498452	0.522925	0.1611571	0.2721727	0.2734778
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0.04024768	0.0600286	0.4514465	0.007450052	0.6078432
-0.02992776	0.8323406	-0.05371904	0.6508342	-0.1145511
0.06501548	0.4754002	-0.1797522	0.5479007	-0.1517028
0.02579979	0.2735431	-0.2727274	0.4136354	-0.2053664
-0.0629515	0.1831889	-0.3285126	0.3762254	-0.2218782
0.003095975	0.2425834	-0.2902894	0.6806382	-0.1042312
-0.06088751	0.01921675	-0.5454549	0.1084998	-0.3911249
0.0877193	0.225457	-0.30062	0.2647097	-0.2776058
0.1042312	0.05074568	-0.4669424	0.1348375	-0.3663571
-0.05263158	0.05937292	-0.4524796	0.007196655	-0.6099072
0.05263158	0.02745221	-0.5185953	0.1372167	-0.3642931
-0.1909185	0.03867145	-0.4907027	0.1445293	-0.3581011
-0.01547988	0.06905323	-0.4380168	0.2797642	-0.2693498
0.2569659	0.3848928	-0.2179753	0.1301656	-0.370485
0.2631579	0.1355887	-0.3657027	0.1445293	-0.3581011
0.02992776	0.6124654	-0.1280992	0.6449317	-0.1166151
0.0505676	0.425231	-0.2004133	0.8166542	-0.05882353
0.09184726	0.1905832	-0.3233473	0.6866551	-0.1021672
0.04643963	0.02211478	-0.5351242	0.2721727	-0.2734778
-0.1496388	0.6623694	-0.1105372	0.9384456	0.01960784
-0.01547988	0.1332268	-0.3677688	0.2259599	-0.3003096
-0.1537668	0.08569958	-0.4163225	0.09131835	-0.4097007
0.03405573	0.1876021	-0.3254134	0.4429442	-0.1929825
0.03818369	0.76304	-0.07644632	0.6806382	-0.1042312
-0.1785346	0.05617452	-0.4576449	0.07464278	-0.4303406
0.0505676	0.02005277	-0.5423557	0.03106853	-0.508772
-0.1785346	0.02336554	-0.530992	0.09131835	-0.4097007
-0.1764706	0.483169	-0.176653	0.4379864	-0.1950464
0.02992776	0.2948156	-0.2613638	0.2293224	-0.2982456
-0.09597524	0.3895253	-0.2159092	0.09869191	-0.4014448
-0.1805986	0.2012641	-0.3161159	0.09869191	-0.4014448

-0.06501548	0.2425834	-0.2902894	0.1521069	-0.3519092
-0.02786378	0.861064	-0.04442151	0.3451012	-0.2363261
-0.2094943	0.6153591	-0.1270662	0.4184467	-0.2033024
0.370485	0.05617452	0.4576449	0.000473057	0.7378741
0.2631579	0.01638351	0.5568185	0.01338429	0.5706914
0.1455108	0.01737267	0.5526863	0.03187312	0.506708
0.3314404	0.005773035	0.6227391	0.08333415	0.419205
0.05882353	0.1516544	0.3522729	0.7539562	0.07946336
0.2301342	0.008450945	0.6002069	0.006251763	0.618163
0.3271414	0.08655911	0.4152895	0.05043752	0.4674923
0.3126935	0.4155452	0.2045456	0.4479307	0.1909185

%3CD8+DR+ in gut CD8 T cells		IP-10 pg/ml		Soluble TNF-Rec
unadjusted P v	Spearman rho value	unadjusted P v	Spearman rho value	unadjusted P v
0.006793015	0.6133196	0.002868942	0.6047431	0.08304543
0.009860414	0.5906041	0.02759017	0.4692264	0.5359026
0.2190807	0.3045948	0.04167346	0.4376059	0.04108923
0.6213444	0.1249355	0.06161719	0.404856	0.01381882
0.3579986	0.230253	0.09675668	0.3630717	0.65811
0.340523	0.2385132	0.1071818	0.352908	0.1856374
0.01597201	0.5585958	0.04531613	0.43083	0.05550703
0.3874566	0.2168302	0.04920156	0.4240542	0.1587222
0.6595594	0.1115127	0.1197022	0.3416149	0.1493706
0.06633259	0.4419205	0.293876	0.2343309	0.2174761
0.4704888	0.1817243	0.08107218	0.3800113	0.5425912
0.2814242	0.2684564	0.1478506	0.3190288	0.5193505
0.0139519	0.5678886	0.009969422	0.5369847	0.06403627
0.03258923	0.5049046	0.1752028	0.2998306	0.143356
0.1748088	0.334538	0.2420108	0.2603049	0.1197022
0.4501965	0.1899845	0.05263216	0.4184077	0.02143392
0.004723144	0.6339701	0.09345377	0.3664596	0.3209369
0.1299519	0.3706763	0.0577412	0.4105026	0.5392421
0.07218595	0.4336604	0.0121991	0.5245624	0.01615411
0.3383738	0.2395457	0.0881354	0.3721062	0.6185828
0.02409779	0.5286526	0.0184892	0.4974591	0.2751117
0.1908256	0.3231802	0.02143392	0.4872953	0.1249949
0.004054921	0.6422303	0.196488	0.2862789	0.5226413
0.03217772	0.5059371	0.02633999	0.4726143	0.2039552
0.2046333	0.3138875	0.0267516	0.471485	0.1263439
0.004812634	0.6329376	0.003289516	0.5979673	0.06822789
0.01296358	0.5728306	0.01876058	0.4964699	0.1076777
0.7850394	0.06917915	0.196488	0.2862789	0.03881605
0.1176994	0.3820341	0.293876	0.2343309	0.2357156
0.4552271	0.1879195	0.1096058	0.3506494	0.4313978
0.6300862	0.1218379	0.1769132	0.2987013	0.8829915
0.0387874	0.4904492	0.05263216	0.4184077	0.1587222
0.01292079	0.5730512	0.030691	0.4613213	0.2135539
0.8515452	0.04749613	0.1332463	0.3303218	0.02041327
0.323551	0.2467734	0.024357	0.4782609	0.03115563
0.2158146	0.3066598	0.04787883	0.4263128	0.5974356
0.8900108	0.03510584	0.1463415	0.3201581	0.01034779
0.9319447	-0.02168302	0.05055239	0.4217956	0.0577412
0.01139818	0.5813114	0.0284495	0.4669678	0.1346585

0.03136675	0.5080022	0.01534262	0.5098814	0.2462676
0.01121841	0.5823439	0.1249949	0.3370977	0.3084561
0.01694108	0.5544658	0.01134547	0.5290796	0.1096058
0.5587644	0.147651	0.2254633	0.2693394	0.1071818
0.001504019	0.690759	0.06161719	0.404856	0.2234486
0.1176994	0.3820341	0.01911357	0.4952005	0.03881605
0.0143207	0.5661157	0.02336649	0.48122	0.1776443
0.002497286	0.6670109	0.277415	0.242236	0.9820932
0.03974182	0.4883842	0.09237156	0.3675889	0.1360813
0.1187781	0.3810016	0.1236562	0.338227	0.5425912
0.008211859	0.6019619	0.06082654	0.4059853	0.3389132
0.08002851	0.4233351	0.06822789	0.3958216	0.2001981
0.01929162	0.545173	0.1059846	0.3540373	0.4743409
0.5954108	0.1342282	0.2058513	0.2806324	0.6292682
0.1953575	0.3200826	0.02074905	0.4895539	0.03559232
0.01719046	0.5534332	0.05055239	0.4217956	0.08709931
0.8007636	-0.06401653	0.4078283	0.1857708	0.09345377
0.09850168	0.4016521	0.09023505	0.3698475	0.4284125
0.5982702	-0.1331957	0.1769132	0.2987013	0.07444148
0.3340992	0.2416108	0.2357156	0.2636928	0.1184047
0.3897764	0.2157976	0.04531613	0.43083	0.3601709
0.2046333	0.3138875	0.0708408	0.3924336	0.06241568
0.05694801	0.4563759	0.3849848	0.1948052	0.3878
0.006756499	0.6136364	0.04190345	0.4371647	0.3559886
0.473057	-0.1806918	0.9900512	0.002823264	0.2420108
0.01694108	0.5544658	0.9304384	0.01976285	0.7246927
0.9157902	-0.02684564	0.07536284	0.3867871	0.2039552
0.06017741	0.4512133	0.08107218	0.3800113	0.03717677
0.210975	0.3097574	0.06822789	0.3958216	0.07723123
0.1719972	0.336603	0.7359946	0.07622812	0.4343943
0.08502385	0.41714	0.209679	0.2783738	0.168475
0.323551	0.2467734	0.07172836	0.3913043	0.01911357
0.03342443	0.5028395	0.02108925	0.4884246	0.04722786
0.06017741	0.4512133	0.6911257	0.08977979	0.3991761
0.04916027	0.4697987	0.3547855	0.2072276	0.4343943
0.07682	0.4274652	0.1856374	0.2930548	0.1539967
0.09293781	0.4078473	0.05550703	0.4138905	0.05405488
0.07218595	0.4336604	0.08918065	0.3709768	0.09345377
0.159723	0.3458958	0.4901847	0.1552795	0.4020488
0.893228	-0.03407332	0.2155091	0.2749859	0.07817838
0.8611351	0.04439856	0.1418795	0.323546	0.01943206

0.05952083	0.4522458	0.1304538	0.3325805	0.1718162
0.07143414	0.4346929	0.02888706	0.4658385	0.06241568
0.000351697	0.7485804	0.01615411	0.5064935	0.1910104
0.0000619	0.8022717	0.008404465	0.5471485	0.1651791
0.5954108	0.1342282	0.1910104	0.2896669	0.2615457
0.000733257	0.7210744	0.01923292	0.4947755	0.1492494
0.04803759	0.4718638	0.08205437	0.378882	0.1803684
0.0228169	0.5327827	0.1001449	0.3596838	0.1555608
0.002150213	0.6742386	0.05850105	0.4093732	0.3159086
0.008637614	0.5988643	0.3738397	0.1993224	0.5974356
0.02219679	0.5348478	0.03507614	0.4511575	0.1555608
0.07447641	0.4305628	0.01310447	0.5200452	0.1803684
0.1013718	0.3985545	0.1096058	0.3506494	0.3337174
0.000312485	0.7527105	0.06737337	0.3969509	0.1555608
0.2795063	0.2694889	0.02716831	0.4703557	0.04594657
0.01848124	0.5482706	0.05405488	0.4161491	0.1145733
0.2719153	0.273619	0.02759017	0.4692264	0.03023188
0.1023417	0.397522	0.1587222	0.3111237	0.07913424
0.0994518	0.4006196	0.2274898	0.2682101	0.3059959
0.146802	0.356221	0.08009882	0.3811406	0.1001449
0.08166908	0.4212701	0.1346585	0.3291925	0.2914882
0.1176994	0.3820341	0.030691	0.4613213	0.04920156
0.000362122	0.7475479	0.0184892	0.4974591	0.1463415
0.000132086	0.7805886	0.0690906	0.3946923	0.4195233
0.1478364	0.3553719	0.03425584	0.4529794	0.06814293
0.006913163	0.6122871	0.08505437	0.3754941	0.2077593
0.05030266	0.4677337	0.1346585	0.3291925	0.2357156
0.000799692	0.7176046	0.02322568	0.4816488	0.3601709
0.1134539	0.3861642	0.03507614	0.4511575	0.03210158
0.0275463	0.5183274	0.05926852	0.4082439	0.09345377
0.07218595	0.4336604	0.1001449	0.3596838	0.1418795
0.1176994	0.3820341	0.06485848	0.4003388	0.0726243
0.4476918	0.1910171	0.03994	0.4409938	0.5459499
0.01848124	0.5482706	0.01198093	0.5256917	0.03307006
0.05631805	0.4574084	0.07352865	0.3890457	0.1838695
0.1748088	0.334538	0.3011118	0.230943	0.2116105
0.244595	0.2891069	0.1524437	0.3156409	0.2336413
0.0139519	0.5678886	0.02716831	0.4703557	0.2295283
0.2626074	0.2787817	0.02249512	0.4839074	0.1651791
0.04748359	0.4728963	0.08505437	0.3754941	0.248414
0.02543416	0.5245225	0.01073785	0.5324675	0.07629273

0.0387874	0.4904492	0.02553192	0.4748729	0.08607232
0.06285795	0.4470832	0.1332463	0.3303218	0.2274898
0.2410889	0.291172	0.0708408	0.3924336	0.2020708
0.1428493	0.3595041	0.1793716	0.2970912	0.2366201
0.1776512	0.332473	0.1133164	0.3472614	0.2315788
0.009860414	0.5906041	0.01431242	0.5143986	0.0726243
0.0876051	0.4140424	0.1375147	0.326934	0.237802
0.0000667	0.8002066	0.02008187	0.4918125	0.2527431
0.07294358	0.4326278	0.0690906	0.3946923	0.2615457
0.01158025	0.5802789	0.006505946	0.5618294	0.1133164
0.6418149	0.1177078	0.05624425	0.4127612	0.06322202
0.06704431	0.440888	0.1197022	0.3416149	0.2001981
0.001927514	0.6794012	0.07352865	0.3890457	0.2705414
0.1776512	0.332473	0.2234486	0.2704687	0.1874168
0.000418226	0.7423852	0.0577412	0.4105026	0.3184167
0.01795606	0.5503356	0.1524437	0.3156409	0.2571203
0.2931001	0.2622613	0.02397511	0.4793902	0.01406385
0.07218595	0.4336604	0.03307006	0.4556748	0.08009882
0.1288026	0.3717089	0.2867488	0.2377188	0.2420108
0.2950742	0.2612287	0.009423218	0.5403727	0.2571203
0.01214045	0.5771813	0.008733441	0.5448899	0.1524437
0.000481452	0.7372226	0.05055239	0.4217956	0.3963149
0.2663064	0.2767166	0.06161719	0.404856	0.3337174
0.03831683	0.4914818	0.1735038	0.3009599	0.1375147
0.1013718	0.3985545	0.1236562	0.338227	0.143356
0.008637614	0.5988643	0.009969422	0.5369847	0.09454535
0.000779418	0.7186372	0.04920156	0.4240542	0.4434498
0.2535007	0.2839443	0.2135539	0.2761152	0.3260133
0.4303613	0.1982447	0.1210099	0.3404856	0.02359802
0.1265254	0.3737739	0.1249949	0.3370977	0.1910104
0.007035024	0.6112546	0.08304543	0.3777527	0.2135539
0.1651021	0.3417657	0.0708408	0.3924336	0.1735038
0.003199018	0.6546206	0.03456588	0.4522868	0.2660194
0.004635015	0.6350027	0.06322202	0.4025974	0.2660194
0.01769793	0.5513682	0.02074905	0.4895539	0.4712036
0.01252578	0.5751162	0.01073785	0.5324675	0.2295283
0.02189172	0.5358803	0.001528967	0.634105	0.01615411
0.000508893	0.7351575	0.004977467	0.5765104	0.1404138
0.1651021	0.3417657	0.01598175	0.5072014	0.09120018
0.001436019	0.6928241	0.05263216	0.4184077	0.455677
0.007539953	0.6071245	0.07352865	0.3890457	0.4284125

0.004378637	0.6381003	0.02143392	0.4872953	0.346796
0.000954305	0.710377	0.04286133	0.4353473	0.455677
0.01416576	0.566856	0.05055239	0.4217956	0.1389589
0.004812634	0.6329376	0.0577412	0.4105026	0.3991761
0.000132086	0.7805886	0.02716831	0.4703557	0.2797303
0.001504019	0.690759	0.05333987	0.4172784	0.2751117
0.000885246	0.7134745	0.0172898	0.5019763	0.3934651
0.09850168	0.4016521	0.08304543	0.3777527	0.1012935
0.05886962	0.4532783	0.06241568	0.4037267	0.2174761
0.000702558	0.7227672	0.008567652	0.5460192	0.1769132
0.02158997	0.5369128	0.3234691	0.2207792	0.5459499
0.001402987	0.6938566	0.02977821	0.4635799	0.3963149
0.000495013	0.7361901	0.05123848	0.4206663	0.2637765
0.592557	0.1352607	0.02143392	0.4872953	0.3134124
0.3277465	0.2447083	0.6185828	0.1123659	0.3159086
0.2410889	0.291172	0.07817838	0.3833992	0.5325727
0.01272207	0.5740837	0.01264518	0.5223038	0.04469244
0.01353188	0.5699536	0.1318448	0.3314511	0.4343943
0.014823	0.5637585	0.110725	0.3496188	0.1945189
0.1242766	0.375839	0.05333987	0.4172784	0.4464903
0.06633259	0.4419205	0.3574723	0.2060982	0.2820577
0.002343289	0.6701085	0.06082654	0.4059853	0.4313978
0.6416417	0.1177686	0.02548456	0.4750071	0.08196091
0.0000325	0.818792	0.002868942	0.6047431	0.02143392
0.2410889	0.291172	0.09129867	0.3687182	0.5869772
0.003825193	0.6453279	0.04987344	0.4229249	0.2077593
0.2015098	0.3159525	0.03210158	0.4579334	0.248414
0.00043028	0.7413527	0.03717677	0.4466403	0.3821811
0.001079359	0.7052143	0.0184892	0.4974591	0.2155091
0.000372805	0.7465153	0.01431242	0.5143986	0.2116105
0.1748088	0.334538	0.02322568	0.4816488	0.2399004
0.01573675	0.5596284	0.5226413	0.1439864	0.9502846
0.08333415	0.419205	0.01093736	0.5313382	0.02359802
0.001307651	0.6969541	0.04920156	0.4240542	0.4838159
0.000954305	0.710377	0.03771705	0.445511	0.4464903
0.002343289	0.6701085	0.007777125	0.5516657	0.277415
0.06492602	0.4439856	0.3363093	0.2151327	0.3059959
0.000442623	0.7403202	0.01504625	0.5111551	0.1708498
0.001079359	0.7052143	0.03826346	0.4443817	0.4195233
0.002104053	0.6752712	0.04469244	0.4319593	0.6256983
0.002659516	0.6639134	0.01456453	0.5132694	0.3441565

0.3214651	0.2478059	0.02213681	0.4850367	0.1603197
0.4602862	0.1858544	0.05477727	0.4150198	0.2295283
0.04374014	0.480124	0.1223279	0.3393563	0.1047972
0.001133056	0.7031493	0.0284495	0.4669678	0.4049329
0.1893307	0.3242127	0.6221365	0.1112366	0.4933846
0.08502385	0.41714	0.3109282	0.2264258	0.2527431
0.001053315	0.7062469	0.003844402	0.5900621	0.1635481
0.2970563	0.2601962	0.566299	0.1293055	0.455677
0.002293731	0.671141	0.04722786	0.4274421	0.5493181
0.000132086	0.7805886	0.05405488	0.4161491	0.1928246
0.000383752	0.7454828	0.0393749	0.4421231	0.4195233
0.04322426	0.4811565	0.06822789	0.3958216	0.09787655
0.001188957	0.7010843	0.04167346	0.4376059	0.4254382
0.000779418	0.7186372	0.06161719	0.404856	0.4136532
0.001685778	0.6855963	0.07629273	0.3856578	0.4495417
0.001469693	0.6917915	0.03717677	0.4466403	0.3035479
0.003308605	0.6528926	0.05616779	0.4128777	0.2283712
0.3805433	0.2199278	0.9701594	-0.008469791	0.5594789
0.01438221	0.5658235	0.01482025	0.51214	0.4587609
0.000666571	0.7248323	0.01287315	0.5211745	0.2234486
0.001277094	0.6979867	0.0690906	0.3946923	0.4526039
0.2644529	0.2777491	0.1158403	0.3450028	0.6617495
0.2481332	0.2870418	0.02285806	0.4827781	0.02932996
0.000341526	0.7496129	0.02359802	0.4805195	0.02888706
0.14062	0.3613836	0.5628843	0.1304348	0.4495417
0.01312199	0.5720187	0.0124205	0.5234331	0.08505437
0.000383752	0.7454828	0.007626482	0.5527951	0.07629273
0.01416576	0.566856	0.2135539	0.2761152	0.3963149
0.02612366	0.5224575	0.005758194	0.5686053	0.07817838
0.000425777	0.7417355	0.02156546	0.4868681	0.2114762
0.0000865	0.7929789	0.01943206	0.4940712	0.3184167
0.001803297	0.6824988	0.01264518	0.5223038	0.1619283
0.2257085	0.3004647	0.03307006	0.4556748	0.0393749
0.06423111	0.4450181	0.2058513	0.2806324	0.3311374
0.5312686	0.1579763	0.03881605	0.4432524	0.2441332
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0.34268	0.2374807	0.03717677	0.4466403	0.007332427
0.1583972	0.3469283	0.006772391	0.5595708	0.03307006
0.003199018	0.6546206	0.01054135	0.5335968	0.1318448
0.003397625	0.6515231	0.04346507	0.434218	0.4464903
0.01550423	0.5606609	0.003929719	0.5889328	0.04108923

0.01984724	0.543108	0.01310447	0.5200452	0.04051143
0.001027795	0.7072794	0.02977821	0.4635799	0.3494473
0.2517035	0.2849768	0.08607232	0.3743648	0.5392421
0.04972899	0.4687662	0.1463415	0.3201581	0.3159086
0.003071983	0.6566857	0.03717677	0.4466403	0.3234691
0.02475892	0.5265876	0.02249512	0.4839074	0.4743409
0.04322426	0.4811565	0.008733441	0.5448899	0.09129867
0.00056772	0.7310275	0.03115563	0.460192	0.3311374
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0.01252578	0.5751162	0.04787883	0.4263128	0.3159086
0.002104053	0.6752712	0.03023188	0.4624506	0.4049329
0.02345051	0.5307177	0.005083269	0.5753812	0.1001449
0.05264752	0.4636036	0.0708408	0.3924336	0.1555608
0.01374061	0.5689211	0.08404544	0.3766234	0.1635481
0.008931198	0.5967993	0.4742144	0.1609715	0.8790189
0.2481332	0.2870418	0.08607232	0.3743648	0.5697229
0.02827981	0.5162624	0.03994	0.4409938	0.1012935
0.004462777	0.6370677	0.01788138	0.4997177	0.277415
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0.1113724	0.3882293	0.04286133	0.4353473	0.65811
0.6774786	0.1053175	0.01943206	0.4940712	0.02759017
0.004054921	0.6422303	0.07629273	0.3856578	0.4965949
0.02041538	0.5410429	0.1874168	0.2919255	0.5697229
0.01233191	0.5761487	0.02108925	0.4884246	0.4195233
0.2814242	0.2684564	0.04407542	0.4330887	0.1619283
0.01353188	0.5699536	0.01643221	0.5053642	0.3934651
0.008637614	0.5988643	0.1524437	0.3156409	0.2962759
0.5044093	0.1683015	0.04469244	0.4319593	0.03356288
0.06633259	0.4419205	0.05263216	0.4184077	0.3628812
0.02041538	0.5410429	0.03771705	0.445511	0.3494473
0.09850168	0.4016521	0.03771705	0.445511	0.1821132
0.05694801	0.4563759	0.03210158	0.4579334	0.06737337
0.01332568	0.5709862	0.03559232	0.4500282	0.2194551
0.014823	0.5637585	0.1236562	0.338227	0.1752028
0.0975581	0.4026846	0.03307006	0.4556748	0.03611445
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0.3579986	0.230253	0.02041327	0.4906832	0.06161719
0.002715482	0.6628808	0.04987344	0.4229249	0.3184167
0.02345051	0.5307177	0.009969422	0.5369847	0.0690906
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0.1834288	0.3283429	0.1375147	0.326934	0.1236562
0.4328154	0.1972122	0.06403627	0.4014681	0.02932996
0.3173172	0.249871	0.2020708	0.282891	0.1892078
0.2738009	0.2725865	0.1838695	0.2941841	0.1304538
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0.04271303	0.482189	0.196488	0.2862789	0.2637765
0.1968837	0.3190501	0.1249949	0.3370977	0.08918065
0.04271303	0.482189	0.196488	0.2862789	0.2637765
0.06994793	0.4367579	0.1539967	0.3145116	0.09900593
0.3513865	0.2333506	0.277415	0.242236	0.1096058
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0.3874566	0.2168302	0.1509016	0.3167702	0.02977821
0.2428379	0.2901394	0.05698895	0.4116319	0.02932996
0.2358901	0.2942695	0.1651791	0.3066064	0.1448433
0.662534	-0.1104801	0.6400256	-0.1055901	0.5062868
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0.7291239	0.0877646	0.4869951	0.1564088	0.08107218
0.03602929	0.4966443	0.02716831	0.4703557	0.05477727
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0.1198638	0.3799691	0.030691	0.4613213	0.030691
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0.6477098	-0.1156428	0.6292682	0.108978	0.1478506
0.6418149	0.1177078	0.1587222	0.3111237	0.7246927
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0.1311083	0.3696438	0.248414	0.256917	0.02633999
0.7445389	0.08260197	0.3963149	0.190288	0.1769132
0.1145049	0.3851317	0.1603197	0.3099943	0.02008187
0.05445954	0.460506	0.01643221	0.5053642	0.006772391
0.1418416	0.3603511	0.09787655	0.3619424	0.03162581
0.146802	0.356221	0.09454535	0.3653303	0.04051143
0.4377452	0.1951472	0.1024517	0.3574252	0.001310338
0.04322426	0.4811565	0.2001981	0.2840203	0.0708408
0.04639015	0.4749613	0.143356	0.3224167	0.01700002
0.2775965	0.2705215	0.1108327	0.3495201	0.01073785
0.05205375	0.4646361	0.0187993	0.4963298	0.006505946
0.3828401	0.2188952	0.2505725	0.2557877	0.009072938
0.1198638	0.3799691	0.3209369	0.2219085	0.066527
0.1493265	0.354156	0.1478506	0.3190288	0.05405488
0.3691744	0.2250904	0.2820577	0.2399774	0.09129867
0.02979232	0.5121322	0.1555608	0.3133823	0.09454535
0.163746	0.3427982	0.1332463	0.3303218	0.01615411
0.9093369	-0.02891069	0.1856374	0.2930548	0.06004367
0.1570789	0.3479608	0.02213681	0.4850367	0.000478245
0.1004085	0.399587	0.2135539	0.2761152	0.05926852

0.1276604	0.3727414	0.1189411	0.3422762	0.0387545
0.110342	0.3892618	0.08304543	0.3777527	0.01198093
0.2481332	0.2870418	0.3389132	0.2140034	0.07352865
0.04478594	0.4780589	0.04167346	0.4376059	0.01015715
0.08166908	0.4212701	0.2174761	0.2738566	0.06403627
0.4476918	0.1910171	0.3285694	0.2185206	0.05055239
0.1819728	0.3293754	0.2399004	0.2614342	0.01534262
0.3736988	0.2230253	0.196488	0.2862789	0.02143392
0.07682	0.4274652	0.09787655	0.3619424	0.024357
0.110342	0.3892618	0.04286133	0.4353473	0.02108925
0.1242766	0.375839	0.2174761	0.2738566	0.04286133
0.05146503	0.4656686	0.06004367	0.4071146	0.06241568
0.2158146	0.3066598	0.3849848	0.1948052	0.0956463
0.1093183	0.3902943	0.2058513	0.2806324	0.04787883
0.14062	0.3613836	0.1036196	0.3562959	0.00924671
0.03427603	0.5007744	0.066527	0.3980802	0.0267516
0.1719972	0.336603	0.2593269	0.2512705	0.08505437
0.1999599	0.3169851	0.1360813	0.3280632	0.02593345
0.06354178	0.4460506	0.1983372	0.2851496	0.1012935
0.340523	0.2385132	0.2854314	0.2383508	0.0458785
0.3050648	0.2560661	0.1071818	0.352908	0.007332427
0.1805245	0.3304079	0.1821132	0.2953134	0.06004367
0.2290704	0.2983996	0.2441332	0.2591756	0.08107218
0.2174437	0.3056273	0.4434498	0.1722191	0.1249949
0.01233191	0.5761487	0.02593345	0.4737436	0.0267516
0.239348	0.2922045	0.2843973	0.2388481	0.143356
0.07682	0.4274652	0.1197022	0.3416149	0.0267516
0.08673843	0.4150749	0.07817838	0.3833992	0.004572403
0.1418416	0.3603511	0.1856374	0.2930548	0.02322568
0.0784122	0.4254002	0.2020708	0.282891	0.06004367
0.03693135	0.4945793	0.09023505	0.3698475	0.07723123
0.4527082	0.188952	0.03881605	0.4432524	0.03826346
0.1953575	0.3200826	0.02474374	0.4771316	0.01015715
0.02543416	0.5245225	0.04051143	0.4398645	0.0366426
0.4653735	0.1837894	0.3363093	0.2151327	0.2295283
0.5982702	0.1331957	0.3134124	0.2252964	0.05926852
0.3340992	0.2416108	0.1249949	0.3370977	0.0187993
0.210975	0.3097574	0.1404138	0.3246753	0.04167346
0.01848124	0.5482706	0.07352865	0.3890457	0.1821132
0.06633259	0.4419205	0.1603197	0.3099943	0.09129867
0.1381985	0.3634487	0.3766086	0.1981931	0.1145733

0.1776512	0.332473	0.1389589	0.3258046	0.008085778
0.1394056	0.3624161	0.08107218	0.3800113	0.01176596
0.08935728	0.4119774	0.2001981	0.2840203	0.05550703
0.1706028	0.3376356	0.3035479	0.2298137	0.209679
0.08673843	0.4150749	0.04787883	0.4263128	0.01310447
0.3173172	0.249871	0.2637765	0.2490119	0.1047972
0.7414483	0.0836345	0.4343943	0.175607	0.1856374
0.475632	0.1796593	0.2254633	0.2693394	0.05055239
0.006674563	0.6143522	0.0656887	0.3992095	0.05405488
0.1072914	0.3923594	0.3337174	0.216262	0.168475
0.07761309	0.4264327	0.06322202	0.4025974	0.0656887
0.02409779	0.5286526	0.05263216	0.4184077	0.04226414
0.5671328	0.1445535	0.3963149	0.190288	0.0690906
0.1124097	0.3871967	0.0284495	0.4669678	0.07629273
0.2852841	0.2663914	0.4495417	0.1699605	0.1539967
0.4451944	0.1920496	0.455677	0.1677019	0.1509016
0.6684977	-0.1084151	0.06822789	0.3958216	0.06485848
0.9416499	0.01858544	0.2728205	0.2444946	0.2077593
0.2190807	0.3045948	0.04469244	0.4319593	0.06241568
0.05822377	0.4543109	0.07629273	0.3856578	0.2462676
0.1443071	0.3582861	0.02178309	0.486166	0.05926852
0.05507385	0.4594735	0.2820577	0.2399774	0.4195233
0.01332568	0.5709862	0.005300509	0.5731225	0.08009882
0.03558465	0.4976769	0.1083888	0.3517787	0.5904546
0.04120697	0.4852866	0.01357726	0.5177866	0.0956463
0.08249854	0.4202375	0.06403627	0.4014681	0.002868942
0.02129147	0.5379453	0.008404465	0.5471485	0.06241568
0.009700379	0.5916367	0.01155415	0.5279503	0.1083888
0.01332568	0.5709862	0.02759017	0.4692264	0.0708408
0.6623695	0.1105372	0.06395415	0.4015815	0.02548456
0.3050648	0.2560661	0.1071818	0.352908	0.1735038
0.1265254	0.3737739	0.06004367	0.4071146	0.01431242
0.5367178	0.1559112	0.1012935	0.3585545	0.02285806
0.02647383	0.5214249	0.02322568	0.4816488	0.2020708
0.6565896	0.1125452	0.01381882	0.5166572	0.04226414
0.0275463	0.5183274	0.03356288	0.4545455	0.1318448
0.000583284	0.729995	0.02732906	0.4699238	0.2163562
0.3944386	0.2137326	0.2705414	0.2456239	0.1197022
0.5532157	0.1497161	0.2135539	0.2761152	0.003678417
0.701628	-0.09705732	0.9622068	0.0107284	0.3035479
0.01312199	0.5720187	0.02888706	0.4658385	0.01818325

0.006217354	0.6184823	0.2214459	0.271598	0.1769132
0.09293781	0.4078473	0.8359289	-0.04686618	0.8515643
0.6895176	-0.1011874	0.8790528	0.03444382	0.3363093
0.6242531	-0.123903	0.5800487	0.1247883	0.09129867
0.683489	-0.1032525	0.7059796	0.08526257	0.1752028
0.2410889	0.291172	0.1360813	0.3280632	0.03258298
0.3897764	-0.2157976	0.8087137	0.05477132	0.2593269
0.9772928	-0.007227673	0.7059796	0.08526257	0.2505725
0.575555	0.1414559	0.0656887	0.3992095	0.01700002
0.001105937	0.7041818	0.001416074	0.637493	0.01310447
0.02865222	0.5152298	0.1332463	0.3303218	0.04346507
0.2125803	-0.3087249	0.8829915	-0.03331451	0.6115002
0.2158146	-0.3066598	0.6256983	-0.1101073	0.7549478
0.2663064	-0.2767166	0.7817104	-0.06267645	0.8048424
0.2125803	-0.3087249	0.06082654	-0.4059853	0.3628812
0.14062	-0.3613836	0.2986878	-0.2320723	0.6763808
0.1033183	-0.3964895	0.02213681	-0.4850367	0.1651791
0.06083938	-0.4501807	0.1210099	-0.3404856	0.1096058
0.04170442	-0.4842541	0.1036196	-0.3562959	0.196488
0.01416576	-0.566856	0.1375147	-0.326934	0.1619283
0.01527445	-0.5616934	0.08009882	-0.3811406	0.3337174
0.04972899	-0.4687662	0.1036196	-0.3562959	0.4313978
0.1220561	-0.377904	0.1171174	-0.3438735	0.7134458
0.01002256	-0.5895716	0.2682743	-0.2467532	0.3574723
0.08249854	-0.4202375	0.3415289	-0.2128741	0.4195233
0.106288	-0.3933919	0.3084561	-0.2275551	0.8281332
0.1664658	-0.3407331	0.3035479	-0.2298137	0.503046
0.09203312	-0.4088798	0.1821132	-0.2953134	0.3821811
0.007035024	-0.6112546	0.008085778	-0.5494071	0.0956463
0.58403	-0.1383583	0.3849848	-0.1948052	0.9622068
0.07218595	-0.4336604	0.1448433	-0.3212874	0.5062868
0.001763394	-0.6835313	0.02888706	-0.4658385	0.6436272
0.1805245	-0.3304079	0.2549256	-0.2535291	0.2527431
0.3828401	-0.2188952	0.9582318	0.01185771	0.8087137
0.07370707	-0.4315953	0.1290734	-0.3337098	0.3011118
0.03647817	-0.4956118	0.05123848	-0.4206663	0.237802
0.1381985	-0.3634487	0.1096058	-0.3506494	0.4743409
0.3152552	-0.2509035	0.3035479	-0.2298137	0.8242412
0.07294358	-0.4326278	0.1197022	-0.3416149	0.7894023
0.3491982	-0.2343831	0.3234691	-0.2207792	0.3494473
0.2273855	-0.2994322	0.05055239	-0.4217956	0.08304543

0.04322426	-0.4811565	0.1145733	-0.3461321	0.2194551
0.3897764	-0.2157976	0.6150374	0.1134952	0.5193505
0.2719153	-0.273619	0.4343943	-0.175607	0.8790528
0.2517035	0.2849768	0.007188957	0.5561829	0.00314393
0.07447641	0.4305628	0.04594657	0.4297007	0.4495417
0.07218595	0.4336604	0.3035479	0.2298137	0.2682743
0.186862	0.3259298	0.01184478	0.526405	0.2493534
0.1288026	0.3717089	0.2254633	0.2693394	0.4224752
0.1145049	0.3851317	0.3766086	0.1981931	0.2174761
0.4254753	0.2003098	0.0956463	0.364201	0.0465838
0.8707435	0.04130099	0.1332463	0.3303218	0.07172836

ceptor II pg/ml plasma		D-Dimer ng/ml plasma		IL-6 pg/ml plasma
Spearman rho value	unadjusted P v	Spearman rho value	unadjusted P v	Spearman rho value
0.3777527	0.4404203	-0.1733484	0.4869951	0.1564088
0.1394692	0.7702096	0.06606437	0.8087137	0.05477132
0.4387352	0.00924671	0.541502	0.02108925	0.4884246
0.5166572	0.01287315	0.5211745	0.000806397	0.6612083
0.09994353	0.6800566	0.0931677	0.8672537	0.03783173
0.2930548	0.7246927	0.07961603	0.5493181	0.134952
0.4138905	0.01073785	0.5324675	0.04051143	0.4398645
0.3111237	0.3011118	-0.230943	0.3628812	0.2038396
0.3178995	0.03356288	0.4545455	0.05550703	0.4138905
0.2738566	0.9423421	0.01637493	0.3109282	0.2264258
0.1372106	0.6221365	0.1112366	0.7097095	0.08413326
0.1451157	0.2254633	0.2693394	0.4464903	0.1710898
0.4014681	0.1769132	0.2987013	0.2420108	0.2603049
0.3224167	0.7397738	0.07509881	0.6221365	0.1112366
0.3416149	0.002010527	0.6216826	0.06996154	0.393563
0.4872953	0.1619283	0.308865	0.003518476	0.5945793
0.2219085	0.7932554	-0.05928854	0.4313978	0.1767363
0.1383399	0.3011118	0.230943	0.6472364	0.1033315
0.5064935	0.1493706	0.3178995	0.02801722	0.4680971
0.1123659	0.6617495	0.09881423	0.8203531	0.0513834
0.2433653	0.3134124	0.2252964	0.5062868	0.149633
0.3370977	0.3878	0.1936759	0.2797303	0.2411067
0.1439864	0.2728205	0.2444946	0.5226413	0.1439864
0.2817617	0.09023505	0.3698475	0.2315788	0.2659515
0.3359684	0.03356288	0.4545455	0.04722786	0.4274421
0.3958216	0.6874291	-0.09090909	0.4195233	0.1812535
0.3524428	0.6399306	0.1056199	0.1338346	0.3298503
0.4432524	0.2315788	0.2659515	0.00924671	0.541502
0.2636928	0.06241568	0.4037267	0.2420108	0.2603049
0.1767363	0.8790528	0.03444382	0.7778718	0.06380576
0.03331451	0.5869772	0.1225296	0.9264736	0.02089215
0.3111237	0.3441565	0.2117448	0.3011118	0.230943
0.2761152	0.2843973	0.2388481	0.4495417	0.1699605
0.4906832	0.4136532	0.1835121	0.01333915	0.5189159
0.460192	0.0881354	0.3721062	0.02932996	0.4647092
0.1191417	0.525942	0.1428571	0.7702096	0.06606437
0.5347261	0.7549478	0.07058159	0.06241568	0.4037267
0.4105026	0.3159086	0.2241671	0.030691	0.4613213
0.3291925	0.1983372	0.2851496	0.2077593	0.2795031

0.2580463	0.143356	-0.3224167	0.9066765	-0.02653868
0.2275551	0.3441565	0.2117448	0.3311374	0.2173913
0.3506494	0.1463415	0.3201581	0.143356	0.3224167
0.352908	0.02285806	0.4827781	0.01587984	0.5076228
0.2704687	0.07536284	0.3867871	0.1555608	0.3133823
0.4432524	0.01015715	0.5358555	0.0121991	0.5245624
0.2982208	0.3157683	0.2242305	0.3750851	0.1988139
-0.005081875	0.3363093	-0.2151327	0.9027232	-0.02766798
0.3280632	0.066527	0.3980802	0.1375147	0.326934
0.1372106	0.3710826	0.2004517	0.7359946	0.07622812
0.2140034	0.6837394	0.09203839	0.5939408	0.120271
0.2840203	0.3285694	0.2185206	0.3766086	0.1981931
0.160926	0.0881354	0.3721062	0.09900593	0.3608131
0.108978	0.7435588	0.07396951	0.8476501	0.04347826
0.4500282	0.02888706	0.4658385	0.006638057	0.5607002
0.3732355	0.09023505	0.3698475	0.08709931	0.3732355
0.3664596	0.4712036	-0.1620553	0.3574723	0.2060982
0.1778656	0.2891125	0.2365895	0.3441565	0.2117448
0.3879164	0.1171174	0.3438735	0.005411986	0.5719932
0.3427442	0.01643221	0.5053642	0.1236562	0.338227
0.2049689	0.1171174	0.3438735	0.1587222	0.3111237
0.4037267	0.3415289	0.2128741	0.3234691	0.2207792
0.1936759	0.7246927	-0.07961603	0.8633266	0.03896104
0.2067213	0.8261383	0.04970348	0.7874189	0.06099972
0.2603049	0.8281332	-0.04912479	0.5325727	0.1405985
0.07961603	0.5869772	0.1225296	0.986072	0.003952569
0.2817617	0.4464903	0.1710898	0.1389589	0.3258046
0.4466403	0.2001981	0.2840203	0.1332463	0.3303218
0.3845285	0.4284125	0.1778656	0.1571359	0.312253
0.175607	0.7059796	-0.08526257	0.8320291	0.04799548
0.3043478	0.2315788	0.2659515	0.3311374	0.2173913
0.4952005	0.01310447	0.5200452	0.003364405	0.5968379
0.4274421	0.0187993	0.4963298	0.03826346	0.4443817
0.1891587	0.5095377	0.1485037	0.455677	0.1677019
0.175607	0.9622068	0.0107284	0.8203531	0.0513834
0.3145116	0.2962759	0.2332016	0.3494473	0.2094862
0.4161491	0.01482025	0.51214	0.007188957	0.5561829
0.3664596	0.1668214	0.3054771	0.1263439	0.3359684
0.1880294	0.7473495	0.07284021	0.728454	0.07848673
0.3833992	0.01975482	0.4929418	0.003364405	0.5968379
0.4940712	0.1874168	0.2919255	0.01943206	0.4940712

0.3020892	0.1983372	0.2851496	0.1223279	0.3393563
0.4037267	0.02249512	0.4839074	0.06485848	0.4003388
0.2896669	0.6985393	0.08752117	0.6985393	0.08752117
0.3066064	0.8594026	0.04009034	0.5904546	0.1214003
0.2501412	0.3991761	-0.1891587	0.4869951	0.1564088
0.3179893	0.3335776	0.2163231	0.4120584	0.1841288
0.2964427	0.3011118	0.230943	0.277415	0.242236
0.3133823	0.1210099	0.3404856	0.1752028	0.2998306
0.2241671	0.4869951	0.1564088	0.4495417	0.1699605
0.1191417	0.2420108	0.2603049	0.7171885	0.08187465
0.3133823	0.4107351	0.1846415	0.2891125	0.2365895
0.2964427	0.3683371	0.201581	0.3234691	0.2207792
0.216262	0.3878	0.1936759	0.2174761	0.2738566
0.3133823	0.7171885	0.08187465	0.5800487	0.1247883
0.4297007	0.03994	0.4409938	0.0184892	0.4974591
0.3461321	0.2867488	0.2377188	0.2020708	0.282891
0.4624506	0.01587984	0.5076228	0.004572403	0.5810277
0.3822699	0.5292525	0.1417278	0.1478506	0.3190288
0.2286844	0.7397738	0.07509881	0.6948292	0.08865048
0.3596838	0.01093736	0.5313382	0.02633999	0.4726143
0.2354602	0.143356	0.3224167	0.2986878	0.2320723
0.4240542	0.008901853	0.5437606	0.03356288	0.4545455
0.3201581	0.1145733	0.3461321	0.3084561	0.2275551
0.1812535	0.7397738	0.07509881	0.8751169	0.03557312
0.3959334	0.003874303	0.589664	0.01478729	0.5122847
0.2795031	0.3234691	0.2207792	0.2615457	0.2501412
0.2636928	0.2891125	0.2365895	0.3134124	0.2252964
0.2049689	0.9027232	0.02766798	0.7587552	0.06945229
0.4579334	0.007047808	0.5573123	0.0172898	0.5019763
0.3664596	0.07172836	0.3913043	0.0708408	0.3924336
0.323546	0.3906268	0.1925466	0.3159086	0.2241671
0.390175	0.3494473	0.2094862	0.1769132	0.2987013
0.1360813	0.5425912	-0.1372106	0.8751169	0.03557312
0.4556748	0.08505437	0.3754941	0.07629273	0.3856578
0.2941841	0.04286133	0.4353473	0.1983372	0.2851496
0.2772445	0.7778718	0.06380576	0.4965949	0.1530209
0.2648221	0.65811	-0.09994353	0.4107351	0.1846415
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0.3066064	0.3601709	-0.2049689	0.3363093	0.2151327
0.256917	0.05263216	0.4184077	0.2214459	0.271598
0.3856578	0.1478506	0.3190288	0.2135539	0.2761152

0.3743648	0.3738397	0.1993224	0.293876	0.2343309
0.2682101	0.1786351	0.297572	0.1603197	0.3099943
0.282891	0.5226413	-0.1439864	0.5459499	0.1360813
0.2632025	0.393329	0.1914713	0.3904904	0.192601
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0.390175	0.2615457	0.2501412	0.2194551	0.2727273
0.2625635	0.3415289	0.2128741	0.2058513	0.2806324
0.2546584	0.8711838	0.03670243	0.9066765	0.02653868
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0.4025974	0.02474374	0.4771316	0.007478264	0.5539243
0.2840203	0.3134124	0.2252964	0.2820577	0.2399774
0.2456239	0.1946505	0.2874082	0.3209369	0.2219085
0.2919255	0.01671415	0.5042349	0.09129867	0.3687182
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0.2523998	0.2728205	0.2444946	0.2797303	0.2411067
0.515528	0.2593269	0.2512705	0.03826346	0.4443817
0.3811406	0.03307006	0.4556748	0.1145733	0.3461321
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0.3156409	0.277415	0.242236	0.4343943	0.175607
0.190288	0.6985393	0.08752117	0.7932554	0.05928854
0.216262	0.05477727	0.4150198	0.2214459	0.271598
0.326934	0.09454535	0.3653303	0.4136532	0.1835121
0.3224167	0.0881354	0.3721062	0.09675668	0.3630717
0.3653303	0.2615457	0.2501412	0.2682743	0.2467532
0.1722191	0.7663862	0.06719368	0.8087137	0.05477132
0.2196499	0.07536284	0.3867871	0.1769132	0.2987013
0.4805195	0.06004367	0.4071146	0.0124205	0.5234331
0.2896669	0.0366426	0.4477696	0.0577412	0.4105026
0.2761152	0.455677	0.1677019	0.3184167	0.2230378
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0.2478825	0.2549256	0.2535291	0.4998153	0.1518916
0.2478825	0.1493706	0.3178995	0.2116105	0.2772445
0.1620553	0.7435588	0.07396951	0.9304384	0.01976285
0.2670808	0.02888706	0.4658385	0.1223279	0.3393563
0.5064935	0.1012935	0.3585545	0.03115563	0.460192
0.3246753	0.4806471	0.1586674	0.5459499	0.1360813
0.3688224	0.02318115	0.4817848	0.03063775	0.4614516
0.1677019	0.6256983	0.1101073	0.8320291	0.04799548
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0.1677019	0.4464903	0.1710898	0.6911257	0.08977979
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0.2411067	0.9423421	0.01637493	0.8125893	0.05364201
0.2433653	0.7097095	0.08413326	0.6400256	0.1055901
0.1914173	0.4869951	0.1564088	0.5800487	0.1247883
0.3585545	0.04051143	0.4398645	0.1096058	0.3506494
0.2738566	0.09454535	0.3653303	0.2615457	0.2501412
0.2987013	0.4998153	0.1518916	0.3710826	0.2004517
0.1360813	0.2058513	0.2806324	0.4254382	0.1789949
0.190288	0.4618555	0.1654433	0.6800566	0.0931677
0.2490119	0.3766086	0.1981931	0.5095377	0.1485037
0.2252964	0.9304384	0.01976285	0.3821811	0.1959345
0.2241671	0.8711838	0.03670243	0.3311374	0.2173913
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0.175607	0.02977821	0.4635799	0.6150374	0.1134952
0.2874894	0.06273659	0.4032759	0.4402892	0.1733973
0.1710898	0.3234691	0.2207792	0.6727121	0.09542631
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0.1767363	0.8087137	0.05477132	0.8087137	0.05477132
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0.1225296	0.2867488	0.2377188	0.5628843	0.1304348
0.2795031	0.2020708	0.282891	0.2962759	0.2332016
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0.2749859	0.4078283	0.1857708	0.6400256	0.1055901
0.2772445	0.9741367	0.007340486	0.7549478	0.07058159
0.2614342	0.1171174	0.3438735	0.2254633	0.2693394
0.01411632	0.1184047	0.3427442	0.7097095	0.08413326
0.4805195	0.05055239	0.4217956	0.02178309	0.486166
0.1575381	0.6690506	0.09655562	0.8203531	0.0513834
0.1710898	0.8125893	0.05364201	0.9781147	0.00621118
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0.2286844	0.9701594	-0.008469791	0.5160696	0.1462451
0.3027394	0.5045434	0.15024	0.5576673	0.1321661
0.1812535	0.5062868	0.149633	0.7209375	0.08074534
0.1101073	0.5939408	0.120271	0.7778718	0.06380576
0.2117448	0.293876	0.2343309	0.5459499	0.1360813

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0.2670808	0.03559232	0.4500282	0.1304538	0.3325805
0.3551666	0.04722786	0.4274421	0.2891125	0.2365895
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0.2230378	0.5526957	0.1338227	0.7549478	0.07058159
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0.2207792	0.01943206	0.4940712	0.1821132	0.2953134
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0.2456239	0.898772	0.02879729	0.2295283	0.2670808
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0.4590627	0.9145896	0.02428007	0.04987344	0.4229249
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0.3890457	0.9980102	0.000564653	0.1786351	0.297572
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0.1451157	0.9900512	0.002823264	0.2336413	0.2648221
-0.03444382	0.8437395	0.04460756	0.8398324	-0.04573687
0.6002259	0.8164691	-0.05251271	0.05850105	0.4093732
0.1699605	0.4965949	-0.1530209	0.8829915	0.03331451
0.2467532	0.3934651	0.1914173	0.3035479	0.2298137
0.2564248	1	0	0.3271498	0.2191471
0.1801242	0.6079714	0.1157538	0.566299	0.1293055
0.2738566	0.7511459	-0.0717109	0.604451	0.1168831
0.4285714	0.01911357	0.4952005	0.003216033	0.5990965
0.3913043	0.01560936	0.5087521	0.004475558	0.582157

IFAB pg/ml plasma		Zonulin ng/ml plasma		sure of interfe
unadjusted P v	Spearman rho value	unadjusted P v	Spearman rho value	unadjusted P
0.8009756	-0.05702993	0.4343943	-0.175607	0.9732582
0.7894023	-0.06041784	0.8476501	0.04347826	0.3218
0.7022562	-0.08639187	0.05263216	0.4184077	0.471422
0.6256983	-0.1101073	0.07352865	0.3890457	0.6218181
0.1752028	-0.2998306	0.910632	0.02540937	0.5072039
0.1803684	-0.2964427	0.9781147	0.00621118	0.9598959
0.3991761	-0.1891587	0.09345377	0.3664596	0.703456
0.5095377	-0.1485037	0.3209369	-0.2219085	0.5863643
0.8790528	-0.03444382	0.01034779	0.5347261	0.3303879
0.9027232	0.02766798	0.8087137	0.05477132	0.7926797
0.2867488	-0.2377188	0.8320291	0.04799548	0.6020154
0.2549256	-0.2535291	0.2797303	0.2411067	0.9955423
0.7097095	0.08413326	0.3184167	0.2230378	0.7926797
0.9185491	0.02315076	0.1856374	0.2930548	0.2293523
0.9185491	-0.02315076	0.001649401	0.6307171	0.7202033
0.8203531	-0.0513834	0.4374018	0.1744777	0.5632193
0.8869328	-0.0321852	0.8398324	0.04573687	0.7625998
0.2315788	-0.2659515	0.3991761	0.1891587	0.8361372
0.6617495	-0.09881423	0.2751117	0.2433653	0.2028773
0.1928246	-0.2885376	0.9225104	0.02202146	0.5108526
0.4464903	-0.1710898	0.6690506	0.09655562	0.7797509
0.3363093	-0.2151327	0.7322213	0.07735743	0.9065845
0.7778718	-0.06380576	0.1071818	0.352908	0.4891511
0.3494473	-0.2094862	0.1375147	0.326934	1
0.4049329	-0.1869	0.2505725	0.2557877	0.6703614
0.728454	-0.07848673	0.6727121	-0.09542631	0.8977307
0.4267913	-0.1784807	0.6616595	0.09884214	0.8317147
0.4998153	-0.1518916	0.4933846	0.1541502	0.7328457
0.4712036	0.1620553	0.1404138	0.3246753	0.4609432
0.3934651	-0.1914173	0.7473495	0.07284021	0.5181876
0.2728205	-0.2444946	0.7663862	0.06719368	0.6258096
0.5835085	-0.1236589	0.209679	0.2783738	0.8361372
0.7059796	-0.08526257	0.1752028	0.2998306	0.8977307
0.2505725	-0.2557877	0.9027232	0.02766798	0.5747412
0.5127987	-0.1473744	0.1346585	0.3291925	0.7711625
0.1493706	-0.3178995	0.8633266	0.03896104	0.8143428
0.9383728	0.01750424	0.5939408	0.120271	0.8448883
0.2637765	-0.2490119	0.6508533	-0.1022021	0.7118137
0.9701594	-0.008469791	0.2001981	0.2840203	0.9554439

0.6292682	-0.108978	0.277415	-0.242236	0.3022881
0.8203531	0.0513834	0.1236562	0.338227	0.9910847
0.910632	0.02540937	0.2593269	0.2512705	0.8013282
0.986072	-0.003952569	0.03162581	0.4590627	0.6580971
0.7097095	-0.08413326	0.1001449	0.3596838	0.5555953
0.4284125	-0.1778656	0.0881354	0.3721062	0.492736
0.6799708	-0.09319402	0.2203135	0.2722395	0.8866435
0.9542577	0.01298701	0.7625681	-0.06832298	0.08881429
0.8164691	-0.05251271	0.07817838	0.3833992	0.7455551
0.7817104	-0.06267645	0.2214459	0.271598	0.3509495
0.9701594	-0.008469791	0.3134124	0.2252964	0.1804777
0.8009756	-0.05702993	0.168475	0.3043478	0.7625998
0.6185828	-0.1123659	0.3234691	0.2207792	0.9198848
0.4998153	-0.1518916	0.5835085	0.1236589	0.5145139
0.6292682	-0.108978	0.1389589	0.3258046	0.3077876
0.3710826	-0.2004517	0.1821132	0.2953134	0.6020154
0.4933846	-0.1541502	0.9781147	0.00621118	0.5255722
0.2441332	-0.2591756	0.4618555	0.1654433	0.7540637
0.6364319	-0.1067194	0.5904546	0.1214003	0.6218181
0.9066765	0.02653868	0.004016614	0.5878035	0.4369653
0.2797303	-0.2411067	0.2058513	0.2806324	0.9154489
0.8672537	0.03783173	0.2843973	0.2388481	0.8536571
0.5628843	0.1304348	0.3363093	0.2151327	0.1924762
0.837835	-0.0463146	0.7040371	0.08585146	0.1025035
0.9304384	0.01976285	0.525942	0.1428571	0.8712435
0.5062868	0.149633	0.1856374	0.2930548	0.04723355
0.1524437	-0.3156409	0.4464903	0.1710898	0.08647832
0.9940306	0.001693958	0.2615457	0.2501412	0.977714
0.3011118	-0.230943	0.7894023	0.06041784	0.540488
0.986072	-0.003952569	0.2615457	0.2501412	0.6338228
0.3906268	0.1925466	0.1236562	0.338227	0.8844723
0.7511459	-0.0717109	0.04594657	0.4297007	0.924323
0.4869951	-0.1564088	0.05055239	0.4217956	0.6418756
0.9820932	0.005081875	0.5325727	0.1405985	0.1544923
0.6763808	0.09429701	0.2797303	0.2411067	0.6580971
0.3878	0.1936759	0.1983372	0.2851496	0.8624425
0.5974356	-0.1191417	0.1024517	0.3574252	0.8274047
0.7059796	0.08526257	0.1539967	0.3145116	0.9554439
0.346796	0.2106155	0.06996154	0.393563	0.7160046
0.9940306	-0.001693958	0.0726243	0.390175	0.7883641
0.9264736	0.02089215	0.2660194	0.2478825	0.8536571

0.5835085	-0.1236589	0.1524437	0.3156409	0.8274047
0.5425912	-0.1372106	0.0881354	0.3721062	0.5786044
0.7134458	-0.08300395	0.455677	0.1677019	0.4403497
0.9622068	0.0107284	0.8829915	0.03331451	0.924323
0.5869772	-0.1225296	0.7322213	-0.07735743	0.6785829
0.766322	-0.06721266	0.2418731	0.2603784	0.6540275
0.9781147	-0.00621118	0.209679	0.2783738	0.8361372
0.8048424	-0.05590062	0.09787655	0.3619424	0.9910847
0.9980102	0.000564653	0.3311374	0.2173913	0.9376501
0.6617495	0.09881423	0.04407542	0.4330887	0.9110154
0.910632	-0.02540937	0.3209369	0.2219085	0.7754535
0.4313978	-0.1767363	0.3991761	0.1891587	0.9866274
0.6800566	-0.0931677	0.3337174	0.216262	1
0.7435588	-0.07396951	0.4107351	0.1846415	0.9332058
0.4901847	-0.1552795	0.1223279	0.3393563	0.1598269
0.6400256	-0.1055901	0.2682743	0.2467532	0.8099992
0.5904546	-0.1214003	0.09023505	0.3698475	0.342048
0.7894023	-0.06041784	0.3134124	0.2252964	0.7328457
0.898772	-0.02879729	0.2420108	0.2603049	0.8448883
0.4998153	-0.1518916	0.03994	0.4409938	0.457477
0.8948232	-0.02992659	0.0656887	0.3992095	0.4609432
0.4313978	-0.1767363	0.02932996	0.4647092	0.4644228
0.5697229	-0.1281762	0.1735038	0.3009599	0.682707
0.8437395	-0.04460756	0.4107351	0.1846415	0.397443
0.5110463	-0.1479808	0.07527333	0.3868964	0.5442471
0.7932554	-0.05928854	0.277415	0.242236	0.9732582
0.6436272	-0.1044608	0.1946505	0.2874082	0.7797509
0.9980102	0.000564653	0.5697229	0.1281762	0.6459166
0.604451	-0.1168831	0.03994	0.4409938	0.4749416
0.6727121	-0.09542631	0.09129867	0.3687182	0.7583283
0.5325727	0.1405985	0.1418795	0.323546	0.8492706
0.6544779	0.1010728	0.1509016	0.3167702	0.7583283
0.5765978	-0.1259176	0.5459499	-0.1360813	0.3332805
0.8751169	-0.03557312	0.1360813	0.3280632	0.4071327
0.8908768	0.0310559	0.1184047	0.3427442	1
0.8515643	-0.04234895	0.4224752	0.1801242	0.6059551
0.6617495	-0.09881423	0.9542577	-0.01298701	0.8492706
0.6653964	-0.09768493	0.7587552	-0.06945229	0.728624
0.2295283	-0.2670808	0.3311374	-0.2173913	0.5632193
0.8242412	-0.0502541	0.1158403	0.3450028	0.9376501
0.8908768	-0.0310559	0.2615457	0.2501412	0.4169505

0.5226413	0.1439864	0.1752028	0.2998306	0.7540637
0.8048424	-0.05590062	0.209679	0.2783738	0.7160046
0.7171885	-0.08187465	0.8554818	-0.04121965	0.7244099
0.4208644	0.1807399	0.08295142	0.3778594	0.805599
0.8672537	-0.03783173	0.06996154	0.393563	0.728624
0.8711838	-0.03670243	0.2986878	0.2320723	0.7370749
0.9980102	0.000564653	0.237802	0.2625635	0.8536571
0.6874291	-0.09090909	0.5160696	0.1462451	0.7076308
0.5939408	-0.120271	0.04594657	0.4297007	0.805661
0.7511459	0.0717109	0.2962759	0.2332016	0.6378443
0.1983372	-0.2851496	0.1635481	0.3077357	0.3599845
0.6400256	0.1055901	0.1133164	0.3472614	0.8013282
0.9900512	-0.002823264	0.1478506	0.3190288	0.8317686
0.7932554	-0.05928854	0.007777125	0.5516657	0.6785829
0.986072	-0.003952569	0.2194551	0.2727273	0.4784743
0.5459499	-0.1360813	0.1983372	0.2851496	0.9866274
0.7246927	-0.07961603	0.4195233	0.1812535	0.6868398
0.8711838	-0.03670243	0.09454535	0.3653303	0.7244099
0.5628843	-0.1304348	0.5160696	0.1462451	0.964349
0.5697229	-0.1281762	0.7209375	-0.08074534	0.8668411
0.7971132	0.05815923	0.277415	0.242236	0.7498059
0.9344048	0.01863354	0.3821811	0.1959345	0.5863643
0.6364319	-0.1067194	0.2336413	0.2648221	0.8492706
0.9145896	-0.02428007	0.02888706	0.4658385	0.4891511
0.503046	-0.1507623	0.1197022	0.3416149	0.7370749
0.9264736	0.02089215	0.2615457	0.2501412	0.6909812
0.8476501	-0.04347826	0.4254382	0.1789949	0.5181876
0.6800566	-0.0931677	0.168475	0.3043478	0.8361372
0.9225104	0.02202146	0.07352865	0.3890457	0.6991961
0.7397738	-0.07509881	0.1001449	0.3596838	0.8977307
0.8359289	-0.04686618	0.3547855	0.2072276	0.9955423
0.7022562	-0.08639187	0.9661827	-0.009599096	0.7970011
0.9264736	0.02089215	0.1983372	0.2851496	0.9955423
0.8790528	0.03444382	0.1346585	0.3291925	0.7160046
0.3035479	-0.2298137	0.7473495	0.07284021	0.4103911
0.8320291	-0.04799548	0.09023505	0.3698475	0.7244099
0.7740382	-0.06493507	0.2234486	0.2704687	0.2680179
0.8829915	-0.03331451	0.3441565	0.2117448	0.4855791
0.4478845	-0.1705733	0.2738248	0.2439989	0.5384797
0.7778718	-0.06380576	0.3415289	0.2128741	0.3539464
0.7473495	0.07284021	0.1375147	0.326934	0.2888043

0.6221365	-0.1112366	0.2571203	0.2523998	0.8933082
0.8320291	-0.04799548	0.2962759	0.2332016	0.2136478
0.9542577	0.01298701	0.0485367	0.4251835	0.4335947
0.8242412	0.0502541	0.3441565	0.2117448	0.3753372
0.6185828	-0.1123659	0.6763808	0.09429701	0.5035679
0.9225104	-0.02202146	0.2962759	0.2332016	0.09485807
0.6364319	-0.1067194	0.5359026	0.1394692	0.5632193
0.5325727	-0.1405985	0.03826346	0.4443817	0.2604732
0.9781147	-0.00621118	0.1184047	0.3427442	0.8844723
0.6800566	-0.0931677	0.5095377	0.1485037	0.7118137
0.8164691	0.05251271	0.03456588	0.4522868	0.7840545
0.9225104	-0.02202146	0.3159086	0.2241671	0.2386564
0.8203531	-0.0513834	0.1668214	0.3054771	0.3218
0.2820577	-0.2399774	0.4434498	-0.1722191	0.7498059
0.9264736	-0.02089215	0.6617495	0.09881423	0.8143428
0.1928246	-0.2885376	0.4374018	0.1744777	0.6378443
0.6874291	-0.09090909	0.6436272	0.1044608	0.2225321
0.600939	0.1180124	0.005999064	0.5663467	0.4679157
0.6598383	0.09940695	0.03847769	0.4439424	0.718015
0.2254633	-0.2693394	0.4933846	0.1541502	0.7883641
0.898772	0.02879729	0.2135539	0.2761152	0.7455551
0.910632	0.02540937	0.4195233	0.1812535	0.2914707
0.299758	-0.231573	0.1890771	0.2908783	0.3133473
0.5765978	-0.1259176	0.4965949	0.1530209	0.492736
0.1856374	-0.2930548	0.4224752	0.1801242	0.5632193
0.8633266	-0.03896104	0.1892078	0.2907962	0.9598959
0.5697229	-0.1281762	0.2637765	0.2490119	0.9287634
0.8359289	-0.04686618	0.5493181	0.134952	0.1824411
0.5226413	-0.1439864	0.3738397	0.1993224	0.5555953
0.7549478	-0.07058159	0.7171885	0.08187465	0.5145139
0.5127987	-0.1473744	0.293876	0.2343309	0.9420962
0.8009756	0.05702993	0.008243856	0.5482778	0.4679157
0.525942	-0.1428571	0.1197022	0.3416149	0.471422
0.8790528	-0.03444382	0.3991761	0.1891587	0.1986727
0.8164691	-0.05251271	0.3766086	0.1981931	0.2579886
0.6727121	-0.09542631	0.8869328	0.0321852	0.3105599
0.8087137	-0.05477132	0.3337174	0.216262	0.6951311
0.737812	-0.07568484	0.3058556	0.2287489	0.3552905
0.8125893	-0.05364201	0.3011118	0.230943	0.3569581
0.910632	-0.02540937	0.5594789	0.1315641	0.4169505
0.9264736	-0.02089215	0.4374018	0.1744777	0.6258096

0.3059959	-0.2286844	0.3934651	0.1914173	0.5747412
0.3109282	-0.2264258	0.3389132	0.2140034	0.6459166
0.9463128	0.01524562	0.01700002	0.5031056	0.6703614
0.8009756	-0.05702993	0.5526957	0.1338227	0.2136478
0.8203531	0.0513834	0.1752028	0.2998306	0.805661
0.8359289	-0.04686618	0.1047972	0.3551666	0.703456
0.4374018	-0.1744777	0.7932554	-0.05928854	0.7160046
0.7932554	0.05928854	0.5800487	0.1247883	1
0.6400256	-0.1055901	0.910632	0.02540937	0.4302379
0.7778718	-0.06380576	0.1874168	0.2919255	0.7328457
0.8242412	-0.0502541	0.5869772	0.1225296	0.2028773
0.5526957	-0.1338227	0.03611445	0.4488989	0.7540637
0.8633266	-0.03896104	0.3134124	0.2252964	0.397443
0.7397738	-0.07509881	0.5325727	0.1405985	0.262973
0.9661827	0.009599096	0.1874168	0.2919255	0.3189674
0.503046	-0.1507623	0.3415289	0.2128741	0.5594015
0.5225227	0.1440271	0.07298733	0.3897204	0.964349
0.5939408	0.120271	0.2593269	0.2512705	0.6662641
0.5974356	-0.1191417	0.6690506	-0.09655562	0.6059551
0.6436272	-0.1044608	0.503046	0.1507623	0.4855791
0.7663862	-0.06719368	0.2505725	0.2557877	0.2482016
0.2505725	-0.2557877	0.3521105	0.2083569	0.5863643
0.6079714	-0.1157538	0.1096058	0.3506494	0.4335947
0.5160696	-0.1462451	0.1603197	0.3099943	0.7455551
0.9383728	0.01750424	0.2867488	0.2377188	0.6099052
0.6690506	-0.09655562	0.1874168	0.2919255	0.6909812
0.6985393	-0.08752117	0.6800566	0.0931677	0.5747412
0.2660194	0.2478825	0.02359802	0.4805195	0.3878823
0.9185491	0.02315076	0.1263439	0.3359684	0.3599845
0.7739759	-0.06495341	0.2961356	0.2332674	0.3660816
0.6544779	-0.1010728	0.6150374	0.1134952	0.3722374
0.7549478	-0.07058159	0.143356	0.3224167	0.6662641
0.4078283	-0.1857708	0.0485367	0.4251835	0.4679157
0.8281332	0.04912479	0.04469244	0.4319593	0.805661
0.4495417	-0.1699605	0.3656033	0.2027103	0.5786044
0.9900512	-0.002823264	0.3234691	0.2207792	0.4071327
0.3209369	-0.2219085	0.2058513	0.2806324	0.6378443
0.4933846	-0.1541502	0.7134458	0.08300395	0.471422
0.8790528	-0.03444382	0.237802	0.2625635	0.9910847
0.9502846	-0.01411632	0.2571203	0.2523998	0.262973
0.600939	-0.1180124	0.4774887	0.1597967	0.6059551

0.7894023	-0.06041784	0.04226414	0.4364766	0.4403497
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0.6874291	-0.09090909	0.1874168	0.2919255	0.8492706
0.9661827	-0.009599096	0.277415	0.242236	0.7076308
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0.9383728	-0.01750424	0.1509016	0.3167702	0.7498059
0.5731558	-0.1270469	0.1223279	0.3393563	0.8888887
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0.2077593	-0.2795031	0.4774887	0.1597967	0.492736
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0.8164691	0.05251271	0.1735038	0.3009599	0.4749416
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0.2867488	-0.2377188	0.8203531	0.0513834	0.1475745
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0.8437395	-0.04460756	0.8672537	-0.03783173	0.4855791
0.4020488	-0.1880294	0.1448433	0.3212874	0.6258096
0.6544779	-0.1010728	0.7740382	-0.06493507	0.5518008
0.8359289	-0.04686618	0.1036196	0.3562959	0.9021562
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0.3963149	0.190288	0.1145733	0.3461321	0.6478335
0.8009756	-0.05702993	0.5560826	0.1326934	0.6580971
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0.9980102	-0.000564653	0.03115563	0.460192	0.7244099
0.6508533	-0.1022021	0.1603197	0.3099943	0.682707
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0.8203531	-0.0513834	0.07444148	0.3879164	0.9198848
0.986072	-0.003952569	0.4313978	0.1767363	0.2028773
0.6150374	-0.1134952	0.1983372	0.2851496	0.5863643
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0.5731558	0.1270469	0.6800566	0.0931677	0.8756496
0.9423421	-0.01637493	0.2420108	0.2603049	0.682707
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0.9582318	0.01185771	0.01534262	0.5098814	0.2604732
0.7397738	0.07509881	0.1171174	0.3438735	0.3784517
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0.3738397	-0.1993224	0.2234486	0.2704687	0.7840545
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0.5493181	-0.134952	0.1263439	0.3359684	0.6418756
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0.6874291	0.09090909	0.4965949	0.1530209	0.2457926
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0.8790528	0.03444382	0.3311374	0.2173913	0.2136478
0.7397738	0.07509881	0.1171174	0.3438735	0.3784517
0.9066765	0.02653868	0.4965949	0.1530209	0.7797509
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0.5193505	-0.1451157	0.4313978	0.1767363	0.9065845
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0.1635481	-0.3077357	0.2637765	0.2490119	0.3753372
0.6617495	-0.09881423	0.3963149	0.190288	0.7202033
0.5392421	-0.1383399	0.4649609	0.1643139	0.6099052
0.08607232	-0.3743648	0.5800487	0.1247883	0.7370749
0.6544779	-0.1010728	0.2682743	0.2467532	0.7498059
0.7322213	-0.07735743	0.7894023	0.06041784	0.9021562
0.4404203	-0.1733484	0.6690506	0.09655562	0.8492706
0.7473495	-0.07284021	0.4313978	0.1767363	0.5980865
0.3821811	-0.1959345	0.5062868	0.149633	0.3847242
0.3991761	-0.1891587	0.4136532	0.1835121	0.8624425
0.5835085	-0.1236589	0.785554	0.06154715	0.9688032
0.9344048	0.01863354	0.5425912	0.1372106	0.7668779
0.5325727	-0.1405985	0.6079714	0.1157538	0.9287634
0.7625029	-0.06834228	0.2304154	0.2665914	0.9487518
0.1619283	-0.308865	0.3574723	0.2060982	0.09240532
0.1304538	-0.3325805	0.9502846	0.01411632	0.7883641
0.5062868	-0.149633	0.5325727	0.1405985	0.9332058
0.3934651	-0.1914173	0.6115002	0.1146245	0.8186917
0.9383728	-0.01750424	0.293876	-0.2343309	0.9910847
0.7932554	-0.05928854	0.455677	0.1677019	0.9376501
0.6256983	-0.1101073	0.3821811	0.1959345	0.5670485
0.277415	-0.242236	0.3389132	0.2140034	0.3539464
0.3601709	-0.2049689	0.3159086	0.2241671	0.4784743
0.4254382	-0.1789949	0.455677	0.1677019	0.5255722
0.5594789	-0.1315641	0.5869772	0.1225296	0.9420962
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0.05850105	-0.4093732	0.8437395	0.04460756	0.3753372
0.3134124	-0.2252964	0.2020708	0.282891	0.5670485
0.1133164	-0.3472614	0.6837394	0.09203839	0.6580971
0.3134124	-0.2252964	0.8125893	0.05364201	0.964349
0.2274898	-0.2682101	0.6400256	0.1055901	0.7883641
0.0690906	-0.3946923	0.7322213	0.07735743	0.6909812
0.6472364	-0.1033315	0.6948292	-0.08865048	0.7970011
0.4587609	-0.1665726	0.6400256	0.1055901	0.8405105
0.4254382	-0.1789949	0.7246927	0.07961603	0.8536571

0.01507961	-0.5110107	0.8476501	0.04347826	0.4820202
0.2637765	-0.2490119	0.6763808	0.09429701	0.9688032
0.4526039	-0.1688312	0.4933846	0.1541502	0.4963338
0.5697229	-0.1281762	0.7097095	0.08413326	0.8405105
0.4224752	-0.1801242	0.6185828	0.1123659	0.6540275
0.455677	-0.1677019	0.7971132	-0.05815923	0.9688032
0.3311374	-0.2173913	0.6221365	0.1112366	0.1133849
0.2505725	-0.2557877	0.8594026	0.04009034	1
0.4049329	-0.1869	0.5765978	0.1259176	0.8317686
0.6690506	-0.09655562	0.5869772	0.1225296	0.7160046
0.604451	-0.1168831	0.7322213	0.07735743	0.9598959
0.4107351	-0.1846415	0.5526957	0.1338227	0.6138659
0.1108327	-0.3495201	0.5904546	-0.1214003	0.6059551
0.6617495	-0.09881423	0.9940306	0.001693958	0.8492706
0.1404138	-0.3246753	0.525942	0.1428571	0.8099992
0.09454535	-0.3653303	0.3710826	0.2004517	0.8361372
0.4965949	-0.1530209	0.6400256	-0.1055901	0.3815807
0.986072	-0.003952569	0.8048424	0.05590062	0.5480181
0.7778718	-0.06380576	0.1304538	0.3325805	0.6338228
0.910632	-0.02540937	0.1701399	-0.3032185	0.471422
0.1478506	-0.3190288	0.4107351	-0.1846415	0.05836062
0.65811	-0.09994353	0.2020708	-0.282891	0.805661
0.8829915	-0.03331451	0.1071818	0.352908	0.946544
0.7246927	-0.07961603	0.8437395	-0.04460756	0.2756991
0.8125893	-0.05364201	0.08205437	0.378882	0.5518008
0.3934651	-0.1914173	0.2039552	0.2817617	0.1250781
0.65811	-0.09994353	0.3035479	0.2298137	0.8624425
0.9264736	-0.02089215	0.293876	0.2343309	0.8230457
0.5127987	-0.1473744	0.066527	0.3980802	0.805661
0.2461295	-0.2581192	0.5408001	-0.1378142	0.6909812
0.9344048	0.01863354	0.3991761	0.1891587	0.5863643
0.566299	-0.1293055	0.1571359	0.312253	0.977714
0.5095377	-0.1485037	0.3683371	0.201581	0.8844723
0.6079714	-0.1157538	0.9145896	-0.02428007	0.471422
0.5292525	-0.1417278	0.04286133	0.4353473	0.4505853
0.6256983	-0.1101073	0.1803684	0.2964427	0.6099052
0.6238178	-0.1107032	0.4267913	0.1784807	0.3131858
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0.4254382	-0.1789949	0.8242412	0.0502541	0.2092951
0.7473495	-0.07284021	0.8359289	-0.04686618	0.7797509
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0.8437395	0.04460756	0.8087137	-0.05477132	0.5255722
0.8751169	-0.03557312	0.8437395	-0.04460756	0.9332058
0.5292525	-0.1417278	0.7435588	-0.07396951	0.3753372
0.898772	0.02879729	0.8281332	0.04912479	0.7711625
0.8948232	0.02992659	0.5560826	0.1326934	0.3847242
0.8281332	0.04912479	0.4195233	0.1812535	0.9376501
0.8242412	0.0502541	0.8320291	0.04799548	0.4505853
0.5974356	-0.1191417	0.9622068	0.0107284	0.6909812
0.4020488	-0.1880294	0.6256983	0.1101073	0.4963338
0.7059796	-0.08526257	0.4404203	0.1733484	0.9110154
0.1856374	-0.2930548	0.2751117	-0.2433653	0.8756496
0.8164691	-0.05251271	0.3991761	-0.1891587	0.9420962
0.7171885	-0.08187465	0.2274898	-0.2682101	0.7455551
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0.5325727	0.1405985	0.5425912	-0.1372106	0.7689463
0.6292682	0.108978	0.65811	-0.09994353	0.6540275
0.6544779	-0.1010728	0.346796	-0.2106155	0.7668779
0.4712036	0.1620553	0.3628812	-0.2038396	0.5708892
0.8437395	-0.04460756	0.3793891	-0.1970638	0.9065845
0.8125893	0.05364201	0.6653964	-0.09768493	0.6909812
0.4434498	0.1722191	0.9741367	0.007340486	0.8933082
0.9940306	-0.001693958	0.8242412	-0.0502541	0.7328457
0.6328461	-0.1078487	0.1133164	-0.3472614	0.2482016
0.8398324	-0.04573687	0.07629273	-0.3856578	0.342048
0.9066765	0.02653868	0.7209375	-0.08074534	0.8844723
0.9542577	0.01298701	0.05850105	-0.4093732	0.5594015
0.9900512	0.002823264	0.3285694	-0.2185206	0.7926797
0.1083888	0.3517787	0.9225104	-0.02202146	0.6418756
0.6436272	0.1044608	0.9463128	-0.01524562	0.5747412
0.2295283	0.2670808	0.8869328	-0.0321852	0.6020154
0.5835085	0.1236589	0.9741367	-0.007340486	0.1092108
0.5325727	0.1405985	0.3547855	-0.2072276	0.9287634
0.4195233	-0.1812535	0.03210158	-0.4579334	0.5145139
0.9145896	-0.02428007	0.8711838	0.03670243	0.9198848
0.6364319	0.1067194	0.9582318	0.01185771	0.9065845
0.4869951	0.1564088	0.7549478	-0.07058159	0.9021562
0.9185491	0.02315076	0.8554818	0.04121965	0.8230457
0.6985393	-0.08752117	0.9027232	0.02766798	0.8977307
0.785554	-0.06154715	0.9900512	0.002823264	0.977714
0.9145896	-0.02428007	0.6837394	0.09203839	0.6138659

0.4224752	0.1801242	0.9701594	-0.008469791	0.4999445
0.1024517	-0.3574252	0.1404138	-0.3246753	0.3878823
0.600939	0.1180124	0.7359946	0.07622812	0.6418756
0.1171174	-0.3438735	0.3934651	-0.1914173	0.101199
0.5160696	-0.1462451	0.08607232	-0.3743648	0.5747412
0.1120695	-0.3483907	0.6690506	-0.09655562	0.4749416
0.1700133	-0.3033042	0.3990405	-0.1892121	0.9109866
0.6292682	-0.108978	0.0881354	-0.3721062	0.3691521
0.3878	-0.1936759	0.6221365	-0.1112366	0.703456
0.6617495	-0.09881423	0.06822789	0.3958216	0.8186917
0.9781147	0.00621118	0.0956463	0.364201	0.8977307

ron-stimulated gene (		CD4 T cell density in gut		HIV DNA copies/1e6 cells
Spearman rho value	unadjusted P	Spearman rho value	unadjusted I	Spearman rho value
0.007792208	0.4429442	0.1929825	0.9940306	0.001693958
-0.2272727	0.6686595	0.1083591	0.7702096	-0.06606437
0.1662338	0.8103299	0.06088751	0.9185491	0.02315076
0.1142857	0.6987425	-0.09803922	0.898772	0.02879729
-0.1532468	0.8548139	0.04643963	0.6763808	0.09429701
0.01168831	0.4479307	0.1909185	0.5062868	0.149633
0.08831169	0.983788	0.005159959	0.9701594	-0.008469791
0.125974	0.1084998	0.3911249	0.7971132	-0.05815923
0.2233766	0.1256082	0.374613	0.2527431	0.2546584
-0.06103896	0.2953326	0.2610939	0.6436272	-0.1044608
-0.1207792	0.9384456	0.01960784	0.6436272	0.1044608
-0.001298701	0.8548139	0.04643963	0.4869951	0.1564088
-0.06103896	0.7663923	0.0753354	0.600939	0.1180124
-0.274026	0.390027	0.2156863	0.8790528	0.03444382
0.08311688	0.1521069	0.3519092	0.4806471	0.1586674
0.1337662	0.6987425	-0.09803922	0.8672537	-0.03783173
-0.07012987	0.09131835	0.4097007	0.5325727	-0.1405985
-0.04805195	0.8932828	0.03405573	0.5359026	0.1394692
0.2896104	0.2361433	0.2941177	0.9463128	0.01524562
-0.151948	0.9126079	0.02786378	0.6911257	0.08977979
-0.06493507	0.7231228	0.08978328	0.9622068	-0.0107284
0.02727273	0.8997187	-0.03199174	0.7097095	0.08413326
-0.1597403	0.06578236	0.4427245	0.5526957	-0.1338227
0	0.5479007	0.1517028	0.6436272	0.1044608
0.0987013	0.8932828	-0.03405573	0.5628843	0.1304348
0.02987013	0.2501696	0.2858617	0.8476501	-0.04347826
0.04936668	0.5424032	0.1537668	0.9840781	0.004518498
0.07922078	0.8804305	-0.03818369	0.9304384	0.01976285
0.1701299	0.04929338	0.4695562	0.5974356	0.1191417
0.1493506	0.1301656	0.370485	0.3260133	0.2196499
-0.112987	0.964342	0.01135191	0.910632	0.02540937
0.04805195	0.3196452	0.24871	0.8751169	-0.03557312
-0.02987013	0.2160638	0.3065015	0.9066765	0.02653868
0.1298701	0.6449317	-0.1166151	0.9582318	0.01185771
0.06753246	0.9708224	0.009287925	0.346796	0.2106155
-0.05454545	0.6273461	0.122807	0.8672537	0.03783173
0.04545455	0.9255179	-0.02373581	0.5560826	0.1326934
0.08571429	0.9384456	-0.01960784	0.6948292	0.08865048
-0.01298701	0.1420625	0.3601651	0.910632	-0.02540937

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0.002597403	0.1546923	0.3498452	0.525942	-0.1428571
0.05844156	0.1708377	0.3374613	0.6544779	-0.1010728
0.1025974	0.6626984	0.1104231	0.9542577	0.01298701
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0.1584416	0.9708224	-0.009287925	0.8633266	0.03896104
-0.03312764	0.2993048	0.2590299	0.9920387	0.002259249
-0.3805195	0.2361433	0.2941177	0.3601709	-0.2049689
0.07532468	0.5927498	0.1351909	0.8751169	-0.03557312
-0.2142857	0.6806382	0.1042312	0.3821811	0.1959345
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0.1506494	0.1256082	0.374613	0.3821811	0.1959345
0.2337662	0.5589696	0.1475748	0.8948232	0.02992659
0.1207792	0.3407797	0.2383901	0.5974356	-0.1191417
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-0.07272727	0.9773045	0.007223942	0.8203531	0.0513834
0.1142857	0.5206651	-0.1620227	0.9066765	-0.02653868
0.1792208	0.4836281	0.1764706	0.9622068	-0.0107284
0.02467532	0.3946885	0.2136223	0.6185828	0.1123659
-0.04285714	0.4379864	0.1950464	0.7059796	0.08526257
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0.03766234	0.5813962	0.1393189	0.5493181	0.134952
-0.4376623	0.2874843	0.2652219	0.7740382	-0.06493507
0.3831169	0.2160638	0.3065015	0.2615457	0.2501412
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0.1415584	0.6099496	-0.128999	0.9344048	0.01863354
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0.02207792	0.8293348	-0.05469556	0.9463128	-0.01524562
0.1077922	0.9384456	0.01960784	0.910632	-0.02540937
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0.05064935	0.7914254	-0.06707946	0.8203531	0.0513834
-0.01298701	0.8229893	0.05675955	0.8515643	0.04234895
0.08441558	0.01511098	0.5624355	0.8908768	0.0310559
0.06233766	0.8612061	-0.04437564	0.898772	0.02879729
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0.04805195	0.5152947	0.1640867	0.9542577	-0.01298701
0.002597403	0.6331874	0.120743	0.6948292	-0.08865048
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-0.02597403	0.06578236	0.4427245	0.8515643	0.04234895
0.06623377	0.3671777	0.2260062	0.9940306	0.001693958
-0.003896104	0.7851479	0.06914344	0.4313978	0.1767363
0	0.385396	0.2177503	0.9264736	-0.02089215
-0.01948052	0.4732893	0.1805986	0.8009756	-0.05702993
0.3181818	0.8804305	0.03818369	0.7134458	0.08300395
0.05584415	0.4330577	0.1971104	0.8633266	0.03896104
0.2181818	0.8229893	0.05675955	0.8281332	0.04912479
0.07922078	0.2501696	0.2858617	0.8711838	-0.03670243
-0.04545455	0.09131835	0.4097007	0.9304384	0.01976285
0.1714286	0.4681614	0.1826625	0.5560826	-0.1326934
0.1701299	0.04182551	0.4840041	0.8048424	0.05590062
0.1688312	0.4630613	0.1847265	0.7435588	0.07396951
-0.0948052	0.5424032	0.1537668	0.728454	-0.07848673
-0.1948052	0.8420557	0.0505676	0.6400256	-0.1055901
0.1402597	0.9708224	0.009287925	0.8672165	0.03784242
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0.06493507	0.2033135	0.3147575	0.9940306	-0.001693958
-0.1064935	0.2913924	0.2631579	0.8476501	-0.04347826
0.1649351	0.6041941	0.131063	0.8203531	-0.0513834
0.07142857	0.5260614	0.1599587	0.9741367	-0.007340486
0.04415584	0.0590167	0.4530444	0.9225104	0.02202146
0.07142857	0.08953914	0.4117647	0.986072	-0.003952569
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0.1909091	0.6449317	0.1166151	0.8164691	0.05251271
0	0.8166542	-0.05882353	0.9502846	0.01411632
0.1194805	0.1626286	0.3436533	0.910632	0.02540937
0.04415584	0.2466149	0.2879257	0.9741367	-0.007340486
0.08051948	0.3538383	0.2321981	0.7022562	-0.08639187
0.1337662	0.3451012	0.2363261	0.9344048	0.01863354
-0.01818182	0.6806382	-0.1042312	0.9344048	0.01863354
0.187013	0.3322311	0.2425181	0.600939	0.1180124

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0.08441558	0.4630613	0.1847265	0.898772	-0.02879729
0.08181818	0.2128287	0.3085655	0.8242412	0.0502541
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0.08051948	0.8293348	0.05469556	0.9225104	-0.02202146
0.07792208	0.2721727	0.2734778	0.8242412	0.0502541
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0.05714286	0.5589696	0.1475748	0.9820932	0.005081875
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0.2103896	0.9967574	-0.001031992	0.6508533	0.1022021
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0.01038961	0.1521069	0.3519092	0.8515643	-0.04234895
0.03896104	0.1599531	0.3457172	0.5526957	0.1338227
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0.04415584	0.8356904	-0.05263158	0.8437395	0.04460756
0.1597403	0.139625	0.3622291	0.4933846	0.1541502
0.07792208	0.7539562	0.07946336	0.9383728	-0.01750424
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0.0896395	0.8387897	0.05162623	0.8751169	0.03557312
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0.2571429	0.1653345	0.3415893	0.1463415	0.3201581
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0.07402597	0.9255179	-0.02373581	0.5226413	0.1439864
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0.2779221	0.2836082	0.2672859	0.9820932	0.005081875
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0.1662338	0.6215259	0.124871	0.3991761	0.1891587
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0.1428571	0.2259599	0.3003096	0.6763808	0.09429701
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0.3402597	0.7663923	-0.0753354	0.9900512	-0.002823264
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0.3675325	0.6215259	0.124871	0.6911257	-0.08977979
-0.1298701	0.7292587	-0.0877193	0.7097095	-0.08413326
0.1649351	0.8868533	0.03611971	0.1946505	-0.2874082
-0.02598246	0.9222486	0.02478059	0.8849295	0.03275911
0.2064935	0.9708224	-0.009287925	0.4195233	-0.1812535
-0.08831169	0.7415774	0.08359133	0.7097095	-0.08413326
0.05324675	0.8484304	-0.04850361	0.7511459	0.0717109
0.02987013	0.9319797	-0.02167183	0.7625681	0.06832298

HIV RNA copies/1e6 cells		sCD14 ng/ml plasma	
unadjusted P v	Spearman rho value	unadjusted P	Spearman rho value
0.663527	0.0958498	0.2914707	-0.2415584
0.8019885	0.05533597	0.211464	-0.2844156
0.9180179	0.02272727	0.7840545	0.06363636
0.98215	-0.004940711	0.2293523	0.274026
0.1946099	0.2806324	0.2506256	-0.2623377
0.1017959	0.3498024	0.492736	-0.1584416
0.6440124	0.1017787	0.5108526	0.151948
0.5868592	0.1195652	0.7625998	-0.07012987
0.5469945	0.1324111	0.924323	-0.02207792
0.6700799	-0.09387352	0.8361372	-0.04805195
0.2842238	0.2332016	0.3133473	-0.2311688
0.2114588	0.270751	0.4784743	-0.1636364
0.6279215	-0.1067194	0.946544	-0.01558442
0.7165802	-0.08003952	0.7076308	0.08701298
0.7778063	0.06225296	0.9198848	-0.02337662
0.6700799	-0.09387352	0.3784517	0.2025974
0.2617236	-0.2440711	0.4505853	-0.174026
0.2097314	0.2717391	0.2247905	-0.2766234
0.6537423	-0.09881423	0.5632193	0.1337662
0.1929768	0.2816206	0.2530648	-0.261039
0.3986298	0.1847826	0.5555953	-0.1363636
0.3587559	0.2005929	0.728624	-0.08051948
0.4740278	-0.1571146	0.2158465	-0.2818182
0.5260577	0.1393281	0.4644228	-0.1688312
0.3167996	0.2183795	0.8230457	0.05194805
0.6832553	0.08992095	0.2158465	-0.2818182
0.7266142	0.07709415	0.565005	-0.1331601
0.4628337	0.1610672	0.342048	0.2181818
0.3235762	0.215415	0.5980865	0.1220779
0.05449154	0.4061265	0.194527	-0.2948052
0.31011	0.2213439	0.211464	-0.2844156
0.3213077	0.2164032	0.5902608	-0.1246753
0.3235762	0.215415	0.457477	-0.1714286
0.4115779	0.1798419	0.3539464	0.212987
0.3035075	0.2243083	0.8580478	0.04155844
0.1351283	0.3211462	0.2654879	-0.2545455
0.9357995	-0.01778656	0.2158465	0.2818182
0.2499459	0.25	0.4505853	0.174026
0.5290252	-0.1383399	0.924323	-0.02207792

0.8825768	0.0326087	0.3660816	-0.2077922
0.4712165	-0.1581028	0.6020154	-0.1207792
0.7132239	-0.08102767	0.5941683	-0.1233766
0.7334365	-0.07509881	0.3479675	0.2155844
0.4115779	0.1798419	0.397443	-0.1948052
0.5142668	0.1432806	0.7797509	0.06493507
0.3782732	0.1927354	0.5403552	-0.1416044
0.7165802	-0.08003952	0.07340807	-0.3987013
0.5744611	-0.1235178	0.9287634	0.02077922
0.2926972	0.229249	0.262973	-0.2558441
0.9714435	0.007905139	0.2782898	-0.2480519
0.4037815	0.1828063	0.7455551	-0.07532468
0.6799529	0.09090909	0.6218181	-0.1142857
0.05385026	0.4071146	0.1824411	-0.3025974
0.9678756	-0.00889328	0.6099052	0.1181818
0.6832553	-0.08992095	0.7797509	-0.06493507
0.7916018	-0.05830039	0.6868398	0.09350649
0.1637051	0.3003953	0.4202513	-0.1857143
0.9643083	0.009881423	0.140877	0.3324675
0.5439803	0.1333992	0.6540275	-0.1038961
0.09873089	0.3527668	0.4855791	-0.161039
0.6931962	0.08695652	0.5108526	0.151948
0.3684992	-0.1966403	0.6418756	-0.1077922
0.7932806	0.05782061	0.4453019	-0.1760312
0.3884372	-0.1887352	0.5902608	0.1246753
0.2441878	-0.2529644	0.2316558	-0.2727273
0.191353	0.2826087	0.6020154	0.1207792
0.7709325	0.06422925	0.8448883	0.04545455
0.4740278	0.1571146	0.7840545	0.06363636
0.6247226	0.1077075	0.5035679	-0.1545455
0.8263478	-0.04841897	0.9154489	0.02467532
0.8861122	-0.03162055	0.4471597	0.1753247
0.6931962	0.08695652	0.9866274	-0.003896104
0.5868592	-0.1195652	0.6138659	-0.1168831
0.9892895	0.002964427	0.6703614	-0.0987013
0.9857196	-0.003952569	0.7711625	0.06753246
0.6088271	0.1126482	0.7797509	0.06493507
0.7504128	-0.0701581	0.5670485	0.1324675
0.537975	0.1353755	0.3539464	-0.212987
0.9322405	0.0187747	0.4006586	0.1935065
0.9073667	-0.0256917	0.2457926	0.2649351

0.4656194	-0.160079	0.946544	0.01558442
0.9536107	-0.01284585	0.7244099	0.08181818
0.8578929	0.03952569	0.2680179	-0.2532468
0.7402131	0.07312253	0.6540275	-0.1038961
0.7266792	0.0770751	0.8977307	0.02987013
0.912669	0.02421547	0.4317625	-0.1812277
0.5320006	-0.1373518	0.8230457	0.05194805
0.5113391	-0.1442688	0.8977307	-0.02987013
0.5560828	-0.1294466	0.24102	-0.2675325
0.6472495	0.1007905	0.529283	-0.1454545
0.7572353	-0.06818182	0.9554439	0.01298701
0.1125198	0.3399209	0.4335947	-0.1805195
0.4012011	-0.1837945	0.5555953	0.1363636
0.9714435	-0.007905139	0.529283	-0.1454545
0.7470083	0.07114624	0.6909812	0.09220779
0.9785808	0.005928854	0.9021562	0.02857143
0.8931893	0.02964427	0.4169505	0.187013
0.4712165	0.1581028	0.8274047	0.05064935
0.6733651	0.09288538	0.8405105	-0.04675325
0.6343387	-0.1047431	0.8800593	0.03506494
0.8158878	0.0513834	0.9420962	-0.01688312
0.9464832	0.01482213	0.6868398	0.09350649
0.7606531	0.06719368	0.7583283	-0.07142857
0.8931893	-0.02964427	0.3105599	-0.2324675
0.8019406	0.05534964	0.6317044	0.111075
0.8719837	-0.03557312	0.9821704	-0.005194805
0.5899765	-0.1185771	0.9110154	-0.02597403
0.7985226	-0.05632411	0.134397	-0.3376623
0.7950603	-0.05731225	0.4820202	0.1623377
0.9357995	-0.01778656	0.805661	0.05714286
0.5349839	-0.1363636	0.8624425	0.04025974
0.5290252	-0.1383399	0.8448883	0.04545455
0.4882119	0.1521739	0.805661	-0.05714286
0.9678756	-0.00889328	0.8977307	0.02987013
0.850863	-0.04150198	0.9332058	-0.01948052
0.7606531	-0.06719368	0.6258096	0.112987
0.537975	0.1353755	0.8624425	0.04025974
0.7031862	0.08399209	0.3753372	-0.2038961
0.3587559	0.2005929	0.7540637	-0.07272727
0.98215	0.004940711	0.8624425	-0.04025974
0.6247226	-0.1077075	0.8448883	-0.04545455

0.6998508	-0.08498023	0.8712435	0.03766234
0.4997097	-0.1482213	0.5330059	0.1441558
0.7709325	0.06422925	0.8013282	0.05844156
0.6683621	-0.09439091	0.9398534	-0.01753816
0.9109155	-0.02470356	0.8536571	-0.04285714
0.8089312	-0.05335968	0.4071327	-0.1909091
0.2759058	-0.2371542	0.7118137	0.08571429
0.7538218	0.06916996	0.2092951	-0.2857143
0.5142668	0.1432806	0.4403497	-0.1779221
0.6865634	-0.0889328	0.4505853	-0.174026
0.3833966	0.1907115	0.7498059	0.07402597
0.3709586	-0.1956522	0.7926797	0.06103896
0.5868592	-0.1195652	0.3942417	-0.1961039
0.7709325	-0.06422925	0.964349	-0.01038961
0.829841	-0.04743083	0.3753372	-0.2038961
0.6569978	-0.09782609	0.662176	-0.1012987
0.6151653	0.1106719	0.4437479	0.1766234
0.9678756	0.00889328	0.9420962	-0.01688312
0.9500465	0.01383399	0.924323	-0.02207792
0.5683055	0.1254941	0.977714	0.006493506
0.850863	-0.04150198	0.9732582	0.007792208
0.6733651	-0.09288538	0.2007677	-0.2909091
0.850863	0.04150198	0.9598959	-0.01168831
0.1608154	0.3023715	0.8099992	-0.05584415
0.7031862	-0.08399209	0.924323	0.02207792
0.8193712	-0.05039526	0.6662641	-0.1
0.9109155	-0.02470356	0.1510057	-0.3246753
0.9429209	0.01581028	0.9154489	-0.02467532
0.8124078	-0.05237154	0.3509495	0.2142857
0.6931962	-0.08695652	0.6703614	0.0987013
0.7504128	-0.0701581	0.8712435	-0.03766234
0.537975	0.1353755	0.7754535	-0.06623377
0.7266792	-0.0770751	0.2995611	-0.2376623
0.663527	-0.0958498	0.8888887	-0.03246753
0.2597364	0.2450593	0.1884184	-0.2987013
0.8578929	0.03952569	0.5941683	-0.1233766
0.6504928	0.09980237	0.9732582	-0.007792208
0.6998508	0.08498023	0.3539464	-0.212987
0.4049571	0.1823573	0.9376299	0.01818772
0.9714435	0.007905139	0.1492832	-0.325974
0.7199415	-0.07905138	0.3479675	-0.2155844

0.8019885	0.05533597	0.3450003	-0.2168831
0.9500465	-0.01383399	0.24102	-0.2675325
0.1402745	0.3171937	0.9154489	-0.02467532
0.7846962	-0.06027668	0.4136638	-0.1883117
0.7778063	0.06225296	0.2092951	-0.2857143
1	0	0.3539464	-0.212987
0.637557	0.1037549	0.262973	-0.2558441
0.3281422	0.2134387	0.7118137	-0.08571429
0.8333372	0.04644269	0.7711625	-0.06753246
0.6569978	0.09782609	0.3275103	-0.2246753
0.6799529	-0.09090909	0.5255722	-0.1467533
0.9215715	-0.02173913	0.2339742	-0.2714286
0.7950603	-0.05731225	0.24102	-0.2675325
0.1995656	0.277668	0.9598959	-0.01168831
0.9038196	0.02667984	0.7076308	0.08701298
0.2779707	0.236166	0.2654879	-0.2545455
0.7300555	0.07608695	0.7797509	-0.06493507
0.5560828	0.1294466	0.5518008	-0.1376623
0.3234538	0.2154683	0.8229891	-0.05196493
0.1929768	0.2816206	0.2861529	-0.2441558
0.3258544	0.2144269	0.7668779	-0.06883117
0.8368365	-0.04545455	0.1296778	-0.3415585
0.6618137	0.09636768	0.8822274	0.03442676
0.5806458	0.1215415	0.8800593	-0.03506494
0.2863276	0.2322134	0.2482016	-0.2636364
0.9286828	-0.01976285	0.2339742	-0.2714286
0.4572883	0.1630435	0.6540275	-0.1038961
0.9464832	0.01482213	0.1148016	-0.3545454
0.843844	0.04347826	0.4103911	-0.1896104
0.8158878	0.0513834	0.2202886	-0.2792208
0.4037815	0.1828063	0.6020154	-0.1207792
0.8790435	-0.03359684	0.1458796	-0.3285714
0.8054581	0.05434782	0.5632193	0.1337662
0.9536107	-0.01284585	0.1328106	-0.338961
0.5349839	0.1363636	0.07547638	-0.3961039
0.4968228	0.1492095	0.207141	-0.287013
0.850863	0.04150198	0.5594015	-0.1350649
0.8508265	0.04151223	0.3705341	-0.205911
0.9536107	-0.01284585	0.174674	-0.3077922
0.8967309	0.02865613	0.1671368	-0.312987
0.7504128	0.0701581	0.4505853	-0.174026

0.3491644	0.2045455	0.6099052	-0.1181818
0.4684136	0.1590909	0.9021562	0.02857143
0.2184638	0.2667984	0.6909812	-0.09220779
0.8790435	0.03359684	0.13761	-0.3350649
0.9857196	-0.003952569	0.5902608	-0.1246753
0.9500465	0.01383399	0.7076308	-0.08701298
0.4463021	0.166996	0.2316558	-0.2727273
0.9286828	-0.01976285	0.8143428	0.05454545
0.7199415	0.07905138	0.02843302	-0.4779221
0.8967309	0.02865613	0.457477	-0.1714286
0.9002743	0.02766798	0.08999962	-0.3792208
0.9464832	0.01482213	0.8933082	0.03116883
0.9180179	-0.02272727	0.2092951	-0.2857143
0.8473521	0.04249012	0.152742	-0.3233766
0.7950603	-0.05731225	0.3332805	-0.2220779
0.4684136	0.1590909	0.165288	-0.3142857
0.4259677	0.1744502	0.5999303	-0.121468
0.9607417	-0.01086957	0.4963338	-0.1571429
0.5500164	0.1314229	0.08532754	-0.3844156
0.9144659	0.02371541	0.3691521	-0.2064935
0.9500465	-0.01383399	0.1965925	-0.2935065
0.2480168	0.2509882	0.194527	-0.2948052
0.7470083	0.07114624	0.4369653	0.1792208
0.6799529	0.09090909	0.703456	-0.08831169
0.9215715	-0.02173913	0.8756496	-0.03636364
0.9322405	0.0187747	0.4855791	-0.161039
0.4910739	0.1511858	0.5941683	-0.1233766
0.9429209	-0.01581028	0.5594015	-0.1350649
0.4545287	0.1640316	0.5555953	-0.1363636
0.9268865	0.02026192	0.3492964	-0.2150049
0.4968228	0.1492095	0.3784517	-0.2025974
0.6965208	0.08596838	0.4749416	-0.1649351
0.663527	0.0958498	0.7970011	0.05974026
0.7675018	0.06521739	0.7370749	-0.07792208
0.351548	0.2035573	0.9821704	0.005194805
0.5142668	-0.1432806	0.1562565	-0.3207792
0.6832553	0.08992095	0.09735837	0.3714286
0.4408617	0.1689723	0.9065845	-0.02727273
0.8825768	0.0326087	0.3660816	-0.2077922
0.7846962	-0.06027668	0.2092951	-0.2857143
0.3684992	0.1966403	0.6020154	-0.1207792

0.3759057	0.1936759	0.529283	-0.1454545
0.8158878	0.0513834	0.1727683	-0.3090909
0.2926972	0.229249	0.2941524	-0.2402597
0.5993707	-0.1156126	0.977714	0.006493506
0.7300555	-0.07608695	0.207141	-0.287013
0.2637205	0.243083	0.3361881	-0.2207792
0.9251265	0.02075099	0.2604732	-0.2571429
0.7640754	-0.06620553	0.4235662	-0.1844156
0.6832553	-0.08992095	0.342048	-0.2181818
0.6472495	-0.1007905	0.4103911	-0.1896104
0.8861122	0.03162055	0.3847242	-0.2
0.4684136	0.1590909	0.8844723	0.03376623
0.6668005	0.09486166	0.8492706	-0.04415584
0.9464832	-0.01482213	0.7926797	-0.06103896
0.9589486	-0.01136644	0.07909449	-0.3916856
0.2991543	0.2262846	0.2482016	-0.2636364
0.9607417	-0.01086957	0.9065845	-0.02727273
0.9571758	-0.01185771	0.4540244	-0.1727273
0.9002743	0.02766798	0.211464	-0.2844156
0.191353	0.2826087	0.2506256	-0.2623377
0.6215303	0.1086956	0.4784743	0.1636364
0.4354568	0.1709486	0.1475745	-0.3272727
0.9892895	-0.002964427	0.3878823	-0.1987013
0.7470083	0.07114624	0.140877	-0.3324675
0.5652387	0.1264822	0.9198848	-0.02337662
0.5026048	0.1472332	0.152742	-0.3233766
0.7675018	0.06521739	0.9554439	0.01298701
0.637557	0.1037549	0.5980865	0.1220779
0.5260577	0.1393281	0.6951311	-0.09090909
0.7402131	0.07312253	0.3691521	-0.2064935
0.3190488	0.2173913	0.5442471	-0.1402597
0.8089312	-0.05335968	0.9598959	-0.01168831
0.7916018	0.05830039	0.5218737	-0.1480519
0.5993707	-0.1156126	0.8317686	0.04935065
0.9073667	-0.0256917	0.4644228	0.1688312
0.8896497	0.03063241	0.1281314	-0.3428572
0.6440124	0.1017787	0.8230457	0.05194805
0.8967309	-0.02865613	0.2579886	-0.2584416
0.8158878	0.0513834	0.6744677	-0.09740259
1	0	0.9376501	0.01818182
0.8228579	-0.04940711	0.1924762	-0.2961039

0.9857196	-0.003952569	0.4403497	-0.1779221
0.8684573	-0.03656127	0.6020154	0.1207792
0.6183445	0.1096838	0.5824789	0.1272727
0.6700799	-0.09387352	0.5632193	0.1337662
0.8158878	-0.0513834	0.4403497	0.1779221
0.8089312	-0.05335968	0.5218737	0.1480519
0.7300555	0.07608695	0.3815807	0.2012987
0.523098	-0.1403162	0.342048	0.2181818
0.8719837	-0.03557312	0.4038885	0.1922078
0.7233079	0.07806324	0.2731235	0.2506494
0.1929768	0.2816206	0.2482016	-0.2636364
0.8755124	-0.03458498	0.946544	0.01558442
0.8158878	0.0513834	0.6298112	0.1116883
0.9464832	-0.01482213	0.9021562	0.02857143
0.9251265	0.02075099	0.397443	0.1948052
0.9464832	-0.01482213	0.9021562	0.02857143
0.9928595	0.001976285	0.7668779	0.06883117
0.7778063	-0.06225296	0.5670485	0.1324675
0.8124078	-0.05237154	0.7970011	0.05974026
0.7470083	0.07114624	0.5902608	0.1246753
0.7675018	-0.06521739	0.5035679	0.1545455
0.6472495	-0.1007905	0.6218181	0.1142857
0.7743673	0.06324111	0.3569581	-0.2116883
0.8754819	-0.03459353	0.9376501	0.01818182
0.689877	0.08794466	0.977714	0.006493506
0.8543766	-0.04051384	0.5555953	0.1363636
0.5962324	0.1166008	0.6178369	0.1155844
0.8368365	-0.04545455	0.6378443	0.1090909
0.4853582	0.1531621	0.3105599	-0.2324675
0.8089312	-0.05335968	0.4891511	0.1597403
0.9038196	-0.02667984	0.8536571	-0.04285714
0.3660492	0.1976285	0.7202033	-0.08311688
0.6799529	0.09090909	0.5072039	0.1532468
0.7368224	-0.07411067	0.5594015	0.1350649
0.3123302	0.2203557	0.3303879	-0.2233766
0.9464832	0.01482213	0.9065845	0.02727273
0.7065269	-0.08300395	0.3509495	0.2142857
0.9464832	-0.01482213	0.9021562	0.02857143
0.8124078	0.05237154	0.9376501	0.01818182
0.6504928	-0.09980237	0.8186917	0.05324675
0.8403388	0.0444664	0.9198848	-0.02337662

0.98215	-0.004940711	0.3630257	0.2090909
0.9357995	-0.01778656	0.4540244	-0.1727273
0.7470083	-0.07114624	0.4369653	0.1792208
0.6832553	0.08992095	0.5218737	0.1480519
0.9180179	0.02272727	0.2782898	0.2480519
0.7266792	-0.0770751	0.6418756	0.1077922
0.6537423	0.09881423	0.1689997	0.3116883
0.98215	0.004940711	0.5255722	0.1467533
0.3035075	0.2243083	0.5442471	0.1402597
0.6215303	-0.1086956	0.5786044	0.1285714
0.5113391	0.1442688	0.4006586	0.1935065
0.9607417	-0.01086957	0.9509932	0.01428571
0.3304396	-0.2124506	0.540488	0.1415584
0.9251265	-0.02075099	0.5072039	0.1532468
0.9750119	-0.006916996	1	0
0.6407815	0.1027668	0.2968492	0.238961
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0.9928595	0.001976285	0.2433988	0.2662338
0.3574274	0.2011366	0.3374866	0.2202014
0.6733651	0.09288538	0.6059551	0.1194805
0.4910739	-0.1511858	0.4235662	0.1844156
0.3420708	-0.2075099	0.4963338	0.1571429
0.2779707	-0.236166	0.5035679	0.1545455
0.8403388	-0.0444664	0.8888887	-0.03246753
0.8193712	-0.05039526	0.9821704	-0.005194805
0.8543766	-0.04051384	0.19044	0.2974026
0.7470083	0.07114624	0.3303879	0.2233766
0.689877	0.08794466	0.2782898	0.2480519
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0.9535993	-0.01284902	0.2167958	-0.2812602
0.6183445	0.1096838	0.7883641	0.06233766
0.4435775	0.1679842	0.6338228	-0.1103896
0.4684136	0.1590909	0.964349	-0.01038961
0.7812493	-0.06126482	0.9332058	0.01948052
0.1351283	0.3211462	0.4471597	-0.1753247
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0.3145601	0.2193676	0.6218181	-0.1142857
0.3258544	0.2144269	0.8844723	-0.03376623
0.2779707	0.236166	0.471422	-0.1662338
0.6602594	0.09683795	0.4136638	-0.1883117

0.4327676	0.1719368	0.8448883	0.04545455
0.5837489	-0.1205534	0.4963338	0.1571429
0.03814606	0.4347826	0.529283	0.1454545
0.1103118	0.3418972	0.457477	-0.1714286
0.1578537	0.304423	0.3720787	-0.2052615
0.3467903	0.2055336	0.9332058	-0.01948052
0.3960678	0.1857708	0.964349	0.01038961
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0.4381548	0.1699605	0.5555953	-0.1363636
0.2821297	0.2341897	0.6218181	-0.1142857
0.2738507	0.2381423	0.7883641	-0.06233766
0.1608154	0.3023715	0.5941683	-0.1233766
0.7709325	-0.06422925	0.6540275	0.1038961
0.5806458	0.1215415	0.1864114	-0.3
0.094751	0.3567194	0.2092951	-0.2857143
0.6119929	-0.1116601	0.8844723	0.03376623
0.2274348	0.2618577	0.2835167	-0.2454545
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0.105991	-0.3458498	0.2202886	0.2792208
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0.6832553	0.08992095	0.4169505	0.187013
0.5439803	0.1333992	0.5480181	-0.138961
0.5142668	0.1432806	0.3332805	0.2220779
0.8755124	-0.03458498	0.7840545	0.06363636
0.1389751	0.3181818	0.3479675	-0.2155844
0.002284704	-0.6037549	0.6951311	0.09090909
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0.06476332	-0.3914011	0.1745268	-0.3078922
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0.1028331	-0.3488142	0.805661	0.05714286
0.1170324	-0.3359684	0.7625998	-0.07012987
0.537975	-0.1353755	0.703456	-0.08831169
0.4825129	0.1541502	0.7883641	-0.06233766
0.00172752	-0.6166008	0.1965925	0.2935065
0.3960678	-0.1857708	0.1671368	-0.312987
0.5055081	0.1462451	0.9866274	0.003896104
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0.5469945	0.1324111	0.8712435	0.03766234

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0.4910739	0.1511858	0.9955423	0.001298701
0.204606	0.2747036	0.457477	0.1714286
0.5530458	0.1304348	0.9509932	0.01428571
0.5962324	0.1166008	0.7711625	0.06753246
0.3909715	0.187747	0.4202513	0.1857143
0.6668005	0.09486166	0.6459166	0.1064935
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0.1622557	0.3013834	0.8756496	-0.03636364
0.4796761	0.1551383	0.9198848	0.02337662
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0.253833	0.2480237	0.7118137	-0.08571429
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0.6832553	0.08992095	0.03600834	-0.4597403
0.6343387	0.1047431	0.7160046	-0.08441558
0.3327466	0.2114625	0.6218181	-0.1142857
0.3022929	0.2248579	0.7582521	-0.07145178
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0.6832553	0.08992095	0.3105599	-0.2324675
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0.2948398	0.2282609	0.805661	-0.05714286
0.5775498	0.1225296	0.8405105	0.04675325
0.6119929	0.1116601	0.3630257	-0.2090909
0.7640754	0.06620553	0.3784517	-0.2025974
0.1880195	0.2846553	0.4302379	0.1818182
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0.7098728	0.08201581	0.3161498	-0.2298701
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0.159384	0.3033597	0.9732582	0.007792208
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0.3539411	-0.2025692	0.9866274	-0.003896104
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0.06707293	-0.3883399	0.9509932	0.01428571
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0.2738507	-0.2381423	0.2888043	0.2428571
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0.1181808	-0.3349802	0.5330059	0.1441558
0.06707293	-0.3883399	0.3275103	0.2246753
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0.1114118	-0.3409091	0.2654879	0.2545455
0.8019885	-0.05533597	0.8405105	0.04675325
0.5530458	-0.1304348	0.8888887	0.03246753

0.09672578	-0.3547431	0.3391106	0.2194805
0.4882119	-0.1521739	0.6909812	0.09220779
0.1995656	-0.277668	0.7455551	-0.07532468
0.4354568	0.1709486	0.2270639	0.2753247
0.07332766	0.3804348	0.8712435	-0.03766234
0.4712165	0.1581028	0.6909812	-0.09220779
0.08211388	0.3701507	0.4765611	-0.1643391
0.5320006	0.1373518	0.9287634	0.02077922
0.3467903	0.2055336	0.3332805	-0.2220779
0.8124078	0.05237154	0.4302379	0.1818182
0.7199415	0.07905138	0.3539464	0.212987

Type of file: table
Label: Table 7
Filename: 3006438s7.xls

G3 PhyloChip probeset ID	GenBank ID of representative species	Family_Genus phylogenetic classification	Spearman rho value
276	EU538635.1	Pseudomonadaceae_Pseudomonas	0.9
979	EU537624.1	Pseudomonadaceae_Pseudomonas	0.8974026
206	EU538170.1	Pseudomonadaceae_Pseudomonas	0.8935065
827	EU539348.1	Pseudomonadaceae_Pseudomonas	0.8883117
1867	FJ893927.1	Pseudomonadaceae_Pseudomonas	0.8857143
258	EU539489.1	Pseudomonadaceae_Pseudomonas	0.874026
2051	EU538345.1	Pseudomonadaceae_Pseudomonas	0.874026
572	EU536746.1	Pseudomonadaceae_Pseudomonas	0.8701299
1255	FJ894687.1	Pseudomonadaceae_Pseudomonas	0.8688312
339	EU537862.1	Pseudomonadaceae_Pseudomonas	0.861039
37486	AJ250927.1	Nocardiaceae_Rhodococcus	0.861039
1365	EU534715.1	Pseudomonadaceae_Pseudomonas	0.8545455
1712	EU538552.1	Pseudomonadaceae_Pseudomonas	0.848052
74983	FJ710771.1	unclassified_sfC	0.8454546
783	EU169178.1	Pseudomonadaceae_Pseudomonas	0.8402597
56369	AB487162.1	unclassified_sfA	0.8366353
62591	AY635999.1	Phyllobacteriaceae_Phyllobacterium	0.8350649
2321	FJ203248.1	unclassified_sfI	0.8311688
36924	GQ071117.1	Corynebacteriaceae_Corynebacterium	0.8311688
37749	EU605695.1	Mycobacteriaceae_Mycobacterium	0.8285714
270	EU536909.1	Pseudomonadaceae_Pseudomonas	0.8272727
1615	FJ894079.1	Pseudomonadaceae_Pseudomonas	0.8272727
37552	FJ997245.1	Gordoniaceae_Gordonia	0.825974
73611	AF534425.1	Pelagibacteraceae_Candidatus Pelagibacter	0.8246753
54263	AF449255.1	unclassified_sfA	0.8210458
37129	GQ063543.1	Corynebacteriaceae_Corynebacterium	0.817798
52604	AY542210.1	Syntrophaceae_unclassified	0.8168831
2372	EU845548.1	Moraxellaceae_Psychrobacter	0.811952
51686	FJ479240.1	unclassified_sfA	0.8103896
38204	AB297962.1	Actinosynnemataceae_Streptomyces	0.8090909
70870	GQ094326.1	Clostridiales Family XI. Incertae Sedis_Anaerc	0.8077922
37049	EU567061.1	Corynebacteriaceae_Corynebacterium	0.8064935
59104	FJ202650.1	Kiloniellaceae_unclassified	0.8064935
56335	FJ900968.1	Deferribacteraceae_Flexistipes	0.8041573
71071	GQ070149.1	Clostridiales Family XI. Incertae Sedis_Anaerc	0.8035077
7506	AY999971.1	Enterobacteriaceae_unclassified	0.8025974
450	FJ894178.1	Pseudomonadaceae_Pseudomonas	0.8012987
10477	GQ065193.1	Comamonadaceae_Diaphorobacter	0.8009094

595	EU538325.1	Pseudomonadaceae_Pseudomonas	0.8
1835	EU538021.1	Pseudomonadaceae_Pseudomonas	0.7987013
1610	EU169190.1	Pseudomonadaceae_Pseudomonas	0.7974026
3898	GQ884172.1	Pseudomonadaceae_Pseudomonas	0.7974026
38270	DQ227003.1	Gordoniaceae_Gordonia	0.7974026
38114	DQ223667.1	Williamsiaceae_Williamsia	0.7961039
40538	GQ061857.1	Dermabacteraceae_Dermabacter	0.7961039
997	AB189342.1	Chromatiaceae_unclassified	0.7935065
2744	AJ272303.1	Moraxellaceae_Psychrobacter	0.7909091
6704	AB183512.1	Shewanellaceae_Shewanella	0.7896104
2785	AY266098.1	Halomonadaceae_Candidatus Portiera	0.7883117
37449	GU208868.1	Gordoniaceae_Gordonia	0.7883117
37622	EU639358.1	Gordoniaceae_Gordonia	0.7883117
41483	U48980.1	Streptosporangiaceae_unclassified	0.787013
2137	DQ117554.1	Pseudomonadaceae_Pseudomonas	0.7857143
2140	FJ894143.1	Pseudomonadaceae_Pseudomonas	0.7857143
56503	EU805174.1	Bacteriovoracaceae_unclassified	0.7857143
1595	GU061314.1	Oleiphilaceae_unclassified	0.7818182
1847	AF081498.1	Pseudoalteromonadaceae_Pseudoalteromor	0.7805195
37061	NR_027201.1	Corynebacteriaceae_Corynebacterium	0.7805195
37336	Y13024.1	Corynebacteriaceae_Corynebacterium	0.7805195
51885	GQ357027.1	unclassified_sfC	0.7805195
2399	AM086641.1	Chromatiaceae_unclassified	0.7792208
4105	EU638746.1	SUP05_unclassified	0.7792208
16132	EU465027.1	Comamonadaceae_Comamonas	0.7792208
53442	GQ009527.1	unclassified_sfB	0.7792208
702	FJ200643.1	Pseudoalteromonadaceae_Pseudoalteromor	0.7779221
1818	DQ482656.1	Pseudomonadaceae_Pseudomonas	0.7779221
36912	AJ222816.1	Corynebacteriaceae_Corynebacterium	0.7779221
38103	X75902.1	Gordoniaceae_Gordonia	0.7766234
52634	EF019262.1	unclassified_sfA	0.7753247
51218	EU193040.1	Acidobacteriaceae_unclassified	0.7742774
74574	AY538164.1	Acholeplasmataceae_Acholeplasma	0.774026
127	EF154274.1	Pseudomonadaceae_Pseudomonas	0.7727273
203	FJ675429.1	Alteromonadaceae_Marinobacter	0.7727273
6400	EU854921.1	Vibrionaceae_Vibrio	0.7727273
7526	EU652566.1	Vibrionaceae_Photobacterium	0.7727273
52846	AJ316021.1	Syntrophaceae_Desulfomonile	0.7727273
7619	AB083059.1	Enterobacteriaceae_unclassified	0.7714286
35183	GQ102215.1	Corynebacteriaceae_Corynebacterium	0.7714286
14406	AF310565.1	Neisseriaceae_Neisseria	0.7701299

37058	GQ060584.1	Corynebacteriaceae_Corynebacterium	0.7701299
37247	CR931997.1	Corynebacteriaceae_Corynebacterium	0.7701299
2668	AJ919271.1	Legionellaceae_Tatlockia	0.7688312
37172	FM872859.1	Corynebacteriaceae_Corynebacterium	0.7688312
40305	GQ091275.1	Propionibacteriaceae_Propionibacterium	0.7675325
37619	EU570742.1	Actinosynnemataceae_Actinokineospora	0.7649351
51939	CT573926.1	Syntrophorhabdaceae_unclassified	0.7649351
5353	EF603997.1	Enterobacteriaceae_Salmonella	0.764534
38483	AB288888.1	Cellulomonadaceae_unclassified	0.7636364
1772	DQ313382.1	Pseudomonadaceae_Pseudomonas	0.761039
16593	AY328765.1	Xanthomonadaceae_unclassified	0.761039
37093	AM697548.1	Corynebacteriaceae_Corynebacterium	0.761039
14368	AJ239298.1	Neisseriaceae_Neisseria	0.7597402
52226	FJ902380.1	Nitrospinaceae_unclassified	0.7597402
1219	CR954246.1	Pseudoalteromonadaceae_Pseudoalteromor	0.7584416
5029	FJ581031.1	Enterobacteriaceae_unclassified	0.7584416
2178	FJ892925.1	Pseudomonadaceae_Pseudomonas	0.7571428
37373	GQ062251.1	Corynebacteriaceae_Corynebacterium	0.7571428
210	EU538028.1	Pseudomonadaceae_Pseudomonas	0.7558442
324	EU439420.1	Pseudomonadaceae_Pseudomonas	0.7558442
1678	AJ132993.1	Pseudomonadaceae_Pseudomonas	0.7558442
1880	X72773.1	Methylococcaceae_unclassified	0.7558442
8845	GQ116239.1	Comamonadaceae_Diaphorobacter	0.7558442
47120	AY953148.1	Staphylococcaceae_Staphylococcus	0.7558442
67284	GQ044807.1	Prevotellaceae_Prevotella	0.7558442
779	AY995198.1	Methylococcaceae_Methylomonas	0.7545455
804	EU539847.1	Pseudomonadaceae_Pseudomonas	0.7545455
1509	AY395006.2	Pseudomonadaceae_Pseudomonas	0.7545455
53985	FJ165504.1	Helicobacteraceae_unclassified	0.7545455
58252	GQ246547.1	Myxococcaceae_Myxococcus	0.7545455
57087	DQ676355.1	Geobacteraceae_Geobacter	0.754141
16335	FM207918.1	Rhodocyclaceae_Methyloversatilis	0.7532467
16337	EU434574.1	Rhodocyclaceae_Thauera	0.7532467
70366	FJ202163.1	Lachnospiraceae_unclassified	0.7532467
46334	GQ056314.1	Staphylococcaceae_Staphylococcus	0.7519481
1065	FJ893864.1	Pseudomonadaceae_Pseudomonas	0.7506493
2190	EU537625.1	Pseudomonadaceae_Pseudomonas	0.7506493
36641	AB359401.1	Corynebacteriaceae_Corynebacterium	0.7506493
37218	GQ071056.1	Corynebacteriaceae_Corynebacterium	0.7506493
3366	FJ675201.1	Pseudomonadaceae_Pseudomonas	0.7493507
6649	FJ594056.1	Vibrionaceae_Vibrio	0.7493507

7284	EU770275.1	Aeromonadaceae_Aeromonas	0.7493507
26825	DQ796382.1	Ruminococcaceae_unclassified	0.7493507
37111	X84256.1	Corynebacteriaceae_Corynebacterium	0.7493507
40455	AY392127.1	Micrococcaceae_Arthrobacter	0.7493507
47368	FJ417407.1	Bacillaceae_Geobacillus	0.7493507
2217	EU540402.1	Pseudomonadaceae_Pseudomonas	0.7482949
53440	EU431666.1	Bdellovibrionaceae_unclassified	0.7480519
55272	DQ532248.1	Rubrobacteraceae_Rubrobacter	0.7480519
57512	DQ925883.1	unclassified_sfB	0.7480519
71240	FM872684.1	Clostridiales Family XI. Incertae Sedis_Anaerc	0.7480519
1268	AF094722.1	Pseudomonadaceae_Pseudomonas	0.7467533
2285	EU535368.1	Pseudomonadaceae_Pseudomonas	0.7467533
37312	AY730711.1	Corynebacteriaceae_Corynebacterium	0.7467533
56534	AM745146.1	Desulfobulbaceae_unclassified	0.7467533
4696	GQ099129.1	Enterobacteriaceae_unclassified	0.7454545
7191	DQ334633.1	Shewanellaceae_Shewanella	0.7454545
3392	EU777000.1	Moraxellaceae_Acinetobacter	0.7441558
3573	NR_028849.1	Moraxellaceae_Acinetobacter	0.7441558
14398	AF398299.1	Neisseriaceae_Neisseria	0.7441558
37119	GQ076564.1	Corynebacteriaceae_Corynebacterium	0.7441558
60729	EU193103.1	Sphingomonadaceae_Kaistobacter	0.7441558
69447	DQ532342.1	Clostridiales Family XI. Incertae Sedis_unclass	0.7441558
1309	FJ675204.1	Alteromonadaceae_Marinobacter	0.7428572
76840	EF454406.2	Spirochaetaceae_Treponema	0.7428572
219	EU540573.1	Pseudomonadaceae_Pseudomonas	0.7415584
2335	FM873527.1	Moraxellaceae_Moraxella	0.7415584
46706	FN393802.1	Staphylococcaceae_Staphylococcus	0.7415584
61296	FM242430.1	Rhodospirillaceae_unclassified	0.7415584
653	GU191927.1	Pseudomonadaceae_Pseudomonas	0.7402598
7297	GU362097.1	Shewanellaceae_Shewanella	0.7402598
16918	FJ832430.1	Succinivibrionaceae_unclassified	0.7402598
37167	GQ065217.1	Corynebacteriaceae_Corynebacterium	0.7402598
52994	FJ612359.1	Pseudanabaenaceae_Prochlorothrix	0.7402598
5142	GU227150.1	Enterobacteriaceae_Klebsiella	0.738961
17204	FJ612327.1	Comamonadaceae_Hydrogenophaga	0.738961
36964	FJ670691.1	Corynebacteriaceae_Corynebacterium	0.738961
38225	FJ382105.1	Mycobacteriaceae_Mycobacterium	0.7376623
54041	DQ676328.1	Planctomycetaceae_unclassified	0.7376623
54581	GQ349752.1	A714017_SGSH944	0.7376623
162	DQ813320.1	Pseudomonadaceae_Pseudomonas	0.7363636
1314	EU491078.1	OM60_unclassified	0.7363636

2315	FN397818.1	Thiotrichaceae_Leucothrix	0.7363636
3511	DQ803374.1	Pseudomonadaceae_Pseudomonas	0.7363636
52868	DQ451017.1	Leptospirillaceae_Leptospirillum	0.7363636
3569	GQ007716.1	Piscirickettsiaceae_unclassified	0.7350649
44061	EU419132.1	Acidimicrobiaceae_unclassified	0.7350649
4372	EU289448.1	Enterobacteriaceae_Erwinia	0.7337663
9349	GQ059951.1	Comamonadaceae_Diaphorobacter	0.7337663
48312	AY805232.1	Bacillaceae_Bacillus	0.7337663
51254	EU290722.1	55_st3_unclassified	0.7337663
36787	AF537592.1	Corynebacteriaceae_Corynebacterium	0.7324675
40686	GQ092956.1	Propionibacteriaceae_Propionibacterium	0.7324675
41886	EF076145.1	unclassified_sfD	0.7324675
53150	EF190824.1	Fibrobacteraceae_Fibrobacter	0.7324675
69994	FJ202794.1	Lachnospiraceae_unclassified	0.7324675
73571	FN547417.1	Flexibacteraceae_Flectobacillus	0.7324675
3090	AM111006.1	Moraxellaceae_Psychrobacter	0.7311688
9056	GQ000354.1	Comamonadaceae_Diaphorobacter	0.7311688
45915	GQ110064.1	Staphylococcaceae_Staphylococcus	0.7311688
5566	EF604439.1	Enterobacteriaceae_Salmonella	0.7298701
11958	GQ020675.1	Aquabacteriaceae_Aquabacterium	0.7298701
38212	EU132552.1	Mycobacteriaceae_Mycobacterium	0.7298701
47568	GQ053751.1	Staphylococcaceae_Staphylococcus	0.7298701
47	AB518970.1	Pseudoalteromonadaceae_Pseudoalteromor	0.7285714
7244	AY785255.1	Vibrionaceae_Vibrio	0.7285714
37996	AF480577.1	Mycobacteriaceae_Mycobacterium	0.7285714
947	AB507253.1	Pseudomonadaceae_Pseudomonas	0.7272727
2281	AF284764.1	Pseudomonadaceae_Pseudomonas	0.7272727
57407	AF543496.1	Nitrospinaceae_unclassified	0.7272727
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36769	GQ020192.1	Corynebacteriaceae_Corynebacterium	0.725974
37117	NR_027597.1	Corynebacteriaceae_Corynebacterium	0.725974
37146	GQ871934.1	Corynebacteriaceae_Corynebacterium	0.725974
37950	EF551408.1	Mycobacteriaceae_Mycobacterium	0.725974
42644	AM936378.1	AKIW874_unclassified	0.725974
70893	EU931448.1	Clostridiales Family XI. Incertae Sedis_Anaerc	0.725974
2957	Z49730.3	Legionellaceae_Tatlockia	0.7246753
5565	GQ024837.1	Enterobacteriaceae_Erwinia	0.7246753
38793	AY040614.1	Streptomycetaceae_Streptomyces	0.7246753
65300	GQ096689.1	Flavobacteriaceae_unclassified	0.7246753
72352	L02884.1	Rickettsiaceae_Wolbachia	0.7246753
4773	EF603996.1	Enterobacteriaceae_Salmonella	0.7242612

406	FJ893386.1	Pseudomonadaceae_Pseudomonas	0.7233766
594	AY542557.1	Piscirickettsiaceae_unclassified	0.7233766
878	EU287118.1	Piscirickettsiaceae_unclassified	0.7233766
3541	AF189695.1	Moraxellaceae_Acinetobacter	0.7233766
6044	EF605226.1	Enterobacteriaceae_Salmonella	0.7233766
3322	AF532772.1	Thiotrichaceae_Beggiatoa	0.722962
1816	FJ151351.1	Pseudomonadaceae_Pseudomonas	0.7220779
2544	AF005192.1	Moraxellaceae_Psychrobacter	0.7220779
3625	DQ824554.1	FCPT525_unclassified	0.7220779
6296	AY700605.1	Moritellaceae_Moritella	0.7220779
37444	FJ444996.1	Pseudonocardiaceae_Prauserella	0.7220779
38339	DQ058407.1	Mycobacteriaceae_Mycobacterium	0.7220779
51178	AY963491.1	Acidobacteriaceae_unclassified	0.7220779
58687	AM997489.1	unclassified_sfB	0.7220779
3093	EU488042.1	Sinobacteraceae_unclassified	0.7207792
4352	GU338400.1	Enterobacteriaceae_Pantoea	0.7207792
10870	GQ114581.1	Aquabacteriaceae_Aquabacterium	0.7207792
51747	AY922154.1	Acidobacteriaceae_unclassified	0.7207792
55926	EU283474.1	Puniceicoccaceae_unclassified	0.7207792
58876	AF458286.1	Desulfuromonadaceae_unclassified	0.7207792
61780	FJ202470.1	Rhodobacteraceae_unclassified	0.7207792
62491	EU256433.1	Rhizobiaceae_Rhizobium	0.7194805
46559	GQ022328.1	Staphylococcaceae_Staphylococcus	0.7181818
74105	GU119216.1	Pelagibacteraceae_Candidatus Pelagibacter	0.7181818
57408	GU001893.1	Halomonadaceae_Halomonas	0.7177656
1305	DQ095894.1	Pseudomonadaceae_Pseudomonas	0.7168831
1640	EU539570.1	Pseudomonadaceae_Pseudomonas	0.7168831
2292	AM110980.1	Pseudoalteromonadaceae_Pseudoalteromor	0.7168831
2906	EU937840.1	Legionellaceae_Legionella	0.7168831
15810	AJ239312.1	Neisseriaceae_Neisseria	0.7168831
61701	EF123343.1	Rhodobacteraceae_unclassified	0.7168831
72948	AB486434.1	Clostridiaceae_Clostridium	0.7168831
1454	EU328041.1	Alteromonadaceae_Marinobacter	0.7155844
41006	GQ060886.1	Propionibacteriaceae_Propionibacterium	0.7155844
1552	AAAU03000003.1	Pseudomonadaceae_Azorhizophilus	0.7142857
6726	AF124055.3	Vibrionaceae_Vibrio	0.7142857
7274	AY494842.1	Vibrionaceae_Vibrio	0.7138682
74179	GU061709.1	Pelagibacteraceae_Candidatus Pelagibacter	0.7138682
1208	EU535916.1	Pseudomonadaceae_Pseudomonas	0.712987
1434	AB473549.1	Alteromonadaceae_unclassified	0.712987
3035	DQ103664.1	Ectothiorhodospiraceae_Thioalkalivibrio	0.712987

6661	DQ068937.1	Vibrionaceae_Vibrio	0.712987
51607	EF494364.1	Acidobacteriaceae_unclassified	0.712987
52581	AM997396.1	Syntrophobacteraceae_unclassified	0.712987
53605	FJ425595.1	unclassified_sfB	0.712987
56690	DQ138957.1	Geobacteraceae_Geobacter	0.712987
3155	DQ413067.1	Legionellaceae_Legionella	0.7116883
47470	AY903256.1	Staphylococcaceae_Staphylococcus	0.7116883
56390	EU735656.1	Balneolaceae_unclassified	0.7116883
68224	EF100118.1	RikenellaceaeII_unclassified	0.7116883
69696	FJ681260.1	Catabacteriaceae_unclassified	0.7116883
1037	FJ892984.1	Pseudomonadaceae_Pseudomonas	0.7103896
3102	EU487817.1	Sedimenticolaceae_Sedimenticola	0.7103896
3587	GQ345712.1	SUP05_unclassified	0.7103896
5177	EF604003.1	Enterobacteriaceae_Salmonella	0.7103896
37677	GU259685.1	Gordoniaceae_Gordonia	0.7103896
46071	GQ058299.1	Staphylococcaceae_Staphylococcus	0.7103896
51781	EF516650.1	Solibacteraceae_Candidatus Solibacter	0.7103896
73900	EU802853.1	Pelagibacteraceae_Candidatus Pelagibacter	0.7103896
74218	EU805329.1	Pelagibacteraceae_Candidatus Pelagibacter	0.7103896
1198	GU372931.1	Pseudomonadaceae_Pseudomonas	0.7090909
1755	FJ529916.1	Pseudomonadaceae_Pseudomonas	0.7090909
8092	AF078774.1	Comamonadaceae_Delftia	0.7090909
16140	AY218756.1	Xanthomonadaceae_Rhodanobacter	0.7090909
2101	EU535251.1	Pseudomonadaceae_Pseudomonas	0.7086717
3561	GQ345392.1	SUP05_unclassified	0.7086717
133	FJ894474.1	Pseudomonadaceae_Pseudomonas	0.7077922
1407	EU601175.1	Pseudomonadaceae_Pseudomonas	0.7077922
1740	DQ813321.1	Pseudomonadaceae_Pseudomonas	0.7077922
7177	EU348312.1	Enterobacteriaceae_unclassified	0.7077922
58772	GU118648.1	unclassified_sfF	0.7077922
3673	EU705523.1	Moraxellaceae_Acinetobacter	0.7064935
7238	AJ296754.1	Enterobacteriaceae_Buchnera	0.7064935
17110	AM935172.1	Solimonaceae_Solimonas	0.7064935
41770	AJ277571.2	Micromonosporaceae_unclassified	0.7064935
46844	GQ058481.1	Staphylococcaceae_Staphylococcus	0.7064935
73527	EF571967.1	Pelagibacteraceae_Candidatus Pelagibacter	0.7064935
885	AM259177.1	Pseudomonadaceae_Pseudomonas	0.7051948
1136	DQ289076.1	Pseudomonadaceae_Pseudomonas	0.7051948
3698	GQ346134.1	SUP05_unclassified	0.7051948
15768	AF310540.1	Neisseriaceae_Neisseria	0.7051948
37280	GQ009105.1	Corynebacteriaceae_Corynebacterium	0.7051948

48089	EF522132.1	Staphylococcaceae_Staphylococcus	0.7051948
51881	FJ208809.1	unclassified_sfD	0.7051948
51961	FJ484648.1	unclassified_sfB	0.7051948
54301	U81656.2	Planctomycetaceae_unclassified	0.7051948
70	EU538393.1	Pseudomonadaceae_Pseudomonas	0.7038961
1193	AJ249825.2	Pseudomonadaceae_Pseudomonas	0.7038961
2042	Y18232.1	Alteromonadaceae_Alteromonas	0.7038961
3487	GQ345921.1	SUP05_unclassified	0.7038961
9146	GQ284434.1	Comamonadaceae_Acidovorax	0.7038961
14259	GQ108196.1	Aquabacteriaceae_Aquabacterium	0.7038961
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41787	NR_024648.1	Micromonosporaceae_Virgisporangium	0.7034752
4736	EU458135.1	Enterobacteriaceae_Escherichia	0.7025974
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1308	AY592343.1	Chromatiaceae_unclassified	0.6623377
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1766	EF123465.1	OM60_unclassified	0.6623377
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70563	EU777042.1	Lachnospiraceae_unclassified	0.5818182
70992	GQ085051.1	Clostridiales Family XI. Incertae Sedis_Anaerc	0.5818182

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68379	EU843395.1	RikenellaceaeII_unclassified	0.3968821

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73925	AB433335.1	Flammeovirgaceae_Fulvivirga	0.3818182
76447	EF454250.2	Spirochaetaceae_Treponema	0.3818182
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23810	EU457669.1	Lachnospiraceae_unclassified	0.3753247
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24272	NZ_AAYW020000	Lachnospiraceae_Coprococcus	0.3753247
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40849	EU484334.1	Actinomycetaceae_Actinomyces	0.3753247
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407	FJ937924.1	Pseudomonadaceae_Pseudomonas	0.3741475
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55144	EU459648.1	Verrucomicrobiaceae_Akkermansia	0.3571429

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70111	EU457038.1	Clostridiales Family XIII. Incertae Sedis_uncla	0.3285714
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73946	GU230229.1	Pelagibacteraceae_Candidatus Pelagibacter	0.3285714
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58849	AB486683.1	Myxococcaceae_Anaeromyxobacter	0.3280286
72510	EU471294.1	Clostridiaceae_unclassified	0.3280286
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46178	GQ050516.1	Staphylococcaceae_Staphylococcus	0.327379
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74124	EF573444.1	Pelagibacteraceae_Candidatus Pelagibacter	0.327379
59	AY538264.1	Pseudomonadaceae_Pseudomonas	0.3272727
907	AY771710.1	Alteromonadaceae_Marinobacter	0.3272727
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4341	EF604369.1	Enterobacteriaceae_Salmonella	0.3272727

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5743	EU470631.1	Enterobacteriaceae_unclassified	0.3272727
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23954	EU505646.1	Lachnospiraceae_unclassified	0.3181818
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67865	GQ493297.1	Prevotellaceae_Prevotella	0.2877558
22375	EU842386.1	Ruminococcaceae_unclassified	0.2871995
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71238	AB282962.1	unclassified_sfA	0.2871062
71661	FJ832322.1	unclassified_sfA	0.2871062
65	EU537643.1	Pseudomonadaceae_Pseudomonas	0.287013

284	DQ367735.1	Crenotrichaceae_Crenothrix	0.287013
2394	NR_025955.1	Piscirickettsiaceae_Cycloclasticus	0.287013
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6701	GQ280117.1	Chromatiaceae_Rheinheimera	0.287013
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17049	AB378589.1	Rhodocyclaceae_Methyloversatilis	0.287013
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74360	EU283530.1	Cyclobacteriaceae_Algoriphagus	-0.287013
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75356	GQ396884.1	Chitinophagaceae_unclassified	0.2597403
19712	DQ805381.1	Lachnospiraceae_Coprococcus	0.2592593
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38064	GQ033462.1	Corynebacteriaceae_unclassified	0.2194805

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40386	EU869201.1	Dermabacteraceae_Brachybacterium	0.2194805
40556	EU467976.1	Micrococcaceae_Arthrobacter	0.2194805
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67092	EU850591.1	Prevotellaceae_Prevotella	0.2194805
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58815	EF559068.1	unclassified_sfA	0.1240663
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24326	EU842325.1	Lachnospiraceae_Coprococcus	0.1026307

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73998	EU802549.1	Pelagibacteraceae_Candidatus Pelagibacter	-0.1
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55401	GQ493064.1	Verrucomicrobiaceae_Akkermansia	0.08181818

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52712	FJ684721.1	unclassified_sfA	0.07662338
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68291	EU456228.1	RikenellaceaeII_unclassified	0.07599871
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74668	EU245106.1	Saprospiraceae_unclassified	-0.0714286
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74846	AB267477.1	Chitinophagaceae_Flavisolibacter	-0.061039
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18707	EU466324.1	Lachnospiraceae_unclassified	0.01428571
18857	EU774442.1	Lachnospiraceae_Ruminococcus	-0.0142857
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21636	EU506174.1	Lachnospiraceae_unclassified	0.01428571
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23037	AY960565.1	Lachnospiraceae_Coprococcus	-0.0142857
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69862	AY913838.1	Clostridiales Family XI. Incertae Sedis_Sedime	0.01168831
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Unique Family_Genus phylogenetic classification	Genus rank in Spearman correlations to plasma Kyn:Trp	Lowest adjusted P value of all taxa within genus
Pseudomonadaceae_Pseudomonas	1	0.000560192
Nocardiaceae_Rhodococcus	2	0.001675945
unclassified_sfC	3	0.0033951
unclassified_sfA	4	0.004859237
Phyllobacteriaceae_Phyllobacterium	5	0.004972823
unclassified_sfI	6	0.005467898
Corynebacteriaceae_Corynebacterium	7	0.005467898
Mycobacteriaceae_Mycobacterium	8	0.005756238
Gordoniaceae_Gordonia	9	0.00588976
Pelagibacteraceae_Candidatus Pelagib	10	0.006026303
Syntrophaceae_unclassified	11	0.007833879
Moraxellaceae_Psychrobacter	12	0.009518405
Actinosynnemataceae_Streptomyces	13	0.010140032
Clostridiales Family XI. Incertae Sedis_	14	0.010391064
Kiloniellaceae_unclassified	15	0.010391064
Deferribacteraceae_Flexistipes	16	0.011155329
Enterobacteriaceae_unclassified	17	0.011317
Comamonadaceae_Diaphorobacter	18	0.011525471
Williamsiaceae_Williamsia	19	0.01199602
Dermabacteraceae_Dermabacter	20	0.01199602
Chromatiaceae_unclassified	21	0.013063754
Shewanellaceae_Shewanella	22	0.014578959
Halomonadaceae_Candidatus Portiera	23	0.014578959
Streptosporangiaceae_unclassified	24	0.015000169
Bacteriovoracaceae_unclassified	25	0.015000169
Oleiphilaceae_unclassified	26	0.016657209
Pseudoalteromonadaceae_Pseudoalte	27	0.016657209
SUP05_unclassified	28	0.016657209
Comamonadaceae_Comamonas	29	0.016657209
unclassified_sfB	30	0.016657209
Acidobacteriaceae_unclassified	31	0.018002964
Acholeplasmataceae_Acholeplasma	32	0.018002964
Alteromonadaceae_Marinobacter	33	0.018002964
Vibrionaceae_Vibrio	34	0.018002964
Vibrionaceae_Photobacterium	35	0.018002964
Syntrophaceae_Desulfomonile	36	0.018002964
Neisseriaceae_Neisseria	37	0.018610178
Legionellaceae_Tatlockia	38	0.019061646

Propionibacteriaceae_Propionibacteri	39	0.019723914
Actinosynnemataceae_Actinokineospo	40	0.021199636
Syntrophorhabdaceae_unclassified	41	0.021199636
Enterobacteriaceae_Salmonella	42	0.021268155
Cellulomonadaceae_unclassified	43	0.021682343
Xanthomonadaceae_unclassified	44	0.023019524
Nitrospinaceae_unclassified	45	0.023583168
Methylococcaceae_unclassified	46	0.024108325
Staphylococcaceae_Staphylococcus	47	0.024108325
Prevotellaceae_Prevotella	48	0.024108325
Methylococcaceae_Methylomonas	49	0.024108325
Helicobacteraceae_unclassified	50	0.024108325
Myxococcaceae_Myxococcus	51	0.024108325
Geobacteraceae_Geobacter	52	0.024228668
Rhodocyclaceae_Methyloversatilis	53	0.024336558
Rhodocyclaceae_Thauera	54	0.024336558
Lachnospiraceae_unclassified	55	0.024336558
Aeromonadaceae_Aeromonas	56	0.025096579
Ruminococcaceae_unclassified	57	0.025096579
Micrococcaceae_Arthrobacter	58	0.025096579
Bacillaceae_Geobacillus	59	0.025096579
Bdellovibrionaceae_unclassified	60	0.025202088
Rubrobacteraceae_Rubrobacter	61	0.025202088
Desulfobulbaceae_unclassified	62	0.025532419
Moraxellaceae_Acinetobacter	63	0.026252013
Sphingomonadaceae_Kaistobacter	64	0.026252013
Clostridiales Family XI. Incertae Sedis_	65	0.026252013
Spirochaetaceae_Treponema	66	0.027011557
Moraxellaceae_Moraxella	67	0.027416121
Rhodospirillaceae_unclassified	68	0.027416121
Succinivibrionaceae_unclassified	69	0.027658526
Pseudanabaenaceae_Prochlorothrix	70	0.027658526
Enterobacteriaceae_Klebsiella	71	0.028284012
Comamonadaceae_Hydrogenophaga	72	0.028284012
Planctomycetaceae_unclassified	73	0.028927533
A714017_SGSH944	74	0.028927533
OM60_unclassified	75	0.029228499
Thiotrichaceae_Leucothrix	76	0.029228499
Leptospirillaceae_Leptospirillum	77	0.029228499
Piscirickettsiaceae_unclassified	78	0.030087131
Acidimicrobiaceae_unclassified	79	0.030087131

Enterobacteriaceae_Erwinia	80	0.030603831
Bacillaceae_Bacillus	81	0.030603831
55_st3_unclassified	82	0.030603831
unclassified_sfD	83	0.030785841
Fibrobacteraceae_Fibrobacter	84	0.030785841
Flexibacteraceae_Flectobacillus	85	0.030785841
Aquabacteriaceae_Aquabacterium	86	0.032091858
AKIW874_unclassified	87	0.033755089
Streptomycetaceae_Streptomyces	88	0.034234094
Flavobacteriaceae_unclassified	89	0.034234094
Rickettsiaceae_Wolbachia	90	0.034234094
Thiotrichaceae_Beggiatoa	91	0.034438417
FCPT525_unclassified	92	0.034438417
Moritellaceae_Moritella	93	0.034438417
Pseudonocardiaceae_Prauserella	94	0.034438417
Sinobacteraceae_unclassified	95	0.034671736
Enterobacteriaceae_Pantoea	96	0.034671736
Puniceicoccaceae_unclassified	97	0.034671736
Desulfuromonadaceae_unclassified	98	0.034671736
Rhodobacteraceae_unclassified	99	0.034671736
Rhizobiaceae_Rhizobium	100	0.035869383
Halomonadaceae_Halomonas	101	0.037057226
Legionellaceae_Legionella	102	0.037057226
Clostridiaceae_Clostridium	103	0.037057226
Pseudomonadaceae_Azorhizophilus	104	0.039142628
Alteromonadaceae_unclassified	105	0.039142628
Ectothiorhodospiraceae_Thioalkalivib	106	0.039142628
Syntrophobacteraceae_unclassified	107	0.039142628
Balneolaceae_unclassified	108	0.03982412
RikenellaceaeII_unclassified	109	0.03982412
Catabacteriaceae_unclassified	110	0.03982412
Sedimenticolaceae_Sedimenticola	111	0.03990655
Solibacteraceae_Candidatus Solibacte	112	0.03990655
Comamonadaceae_Delftia	113	0.04078115
Xanthomonadaceae_Rhodanobacter	114	0.04078115
unclassified_sfF	115	0.041218255
Enterobacteriaceae_Buchnera	116	0.041828971
Solimonaceae_Solimonas	117	0.041828971
Micromonosporaceae_unclassified	118	0.041828971
Alteromonadaceae_Alteromonas	119	0.042099468
Comamonadaceae_Acidovorax	120	0.042099468

Hyphomicrobiaceae_Devosia	121	0.042099468
Micromonosporaceae_Virgisporangiu	122	0.042450332
Enterobacteriaceae_Escherichia	123	0.042496777
Cryomorphaceae_Fluviicola	124	0.043333157
Comamonadaceae_unclassified	125	0.043704066
Xanthomonadaceae_Lysobacter	126	0.043704066
Corymorphaceae_unclassified	127	0.043704066
Nostocaceae_unclassified	128	0.043704066
Chromatiaceae_Rheinheimera	129	0.044330363
Psychromonadaceae_Psychromonas	130	0.045107555
unclassified_sfX	131	0.045385582
Pasteurellaceae_Haemophilus	132	0.045385582
Lactobacillaceae_Lactobacillus	133	0.045385582
unclassified_sfG	134	0.046201464
Erythrobacteraceae_Erythrobacter	135	0.046528286
Flammeovirgaceae_Flammeovirga	136	0.046528286
Burkholderiaceae_unclassified	137	0.046760686
Nocardiaceae_Nocardia	138	0.046760686
Synechococcaceae_Prochlorococcus	139	0.046760686
Anaerolinaceae_GCA004	140	0.046760686
Rhodospirillaceae_Inquilinus	141	0.052293496
Syntrophaceae_Syntrophus	142	0.052419633
Acetobacteraceae_Roseomonas	143	0.052419633
Colwelliaceae_Colwellia	144	0.052444088
Coxiellaceae_unclassified	145	0.052444088
Halobacteroidaceae_Natroniella	146	0.052444088
Phyllobacteriaceae_unclassified	147	0.052444088
Flammeovirgaceae_unclassified	148	0.052444088
HTCC2188_unclassified	149	0.052444088
Enterobacteriaceae_Candidatus Regie	150	0.052444088
Micromonosporaceae_Micromonospo	151	0.052444088
unclassified_sfE	152	0.052444088
Bradyrhizobiaceae_Bradyrhizobium	153	0.052444088
Rhizobiaceae_unclassified	154	0.052444088
Streptosporangiaceae_Nonomuraea	155	0.052915306
Staphylococcaceae_Jeotgalicoccus	156	0.052915306
Neisseriaceae_Conchiformibius	157	0.053080424
unclassified_sfAJ	158	0.053080424
S085_unclassified	159	0.053822734
Gemmataceae_Gemmata	160	0.053822734
Enterobacteriaceae_Serratia	161	0.054260892

Enterobacteriaceae_Xenorhabdus	162	0.054260892
Rhodothermaceae_Salinibacter	163	0.054260892
Saprospiraceae_Lewinella	164	0.054304853
Thiomonaceae_Thiomonas	165	0.054304853
Enterobacteriaceae_Trabulsiella	166	0.054304853
Succinivibrionaceae_Ruminobacter	167	0.054304853
Streptococcaceae_Streptococcus	168	0.054304853
Haliangiaceae_unclassified	169	0.054304853
Dehalogenimonaceae_Dehalogenimor	170	0.054304853
Clostridiales Family XI. Incertae Sedis_	171	0.054304853
ZA3412c_unclassified	172	0.055214466
Enterobacteriaceae_Leclercia	173	0.055214466
Halothiobacillaceae_unclassified	174	0.055935249
Succinivibrionaceae_Succinivibrio	175	0.055935249
Rhodobacteraceae_Rhodobacter	176	0.056063745
Lachnospiraceae_Coprococcus	177	0.056063745
Methylococcaceae_Methylobacter	178	0.056063745
Veillonellaceae_Selenomonas	179	0.056063745
Desulfobacteraceae_Desulfofrigus	180	0.056063745
Oxalobacteraceae_unclassified	181	0.056527817
125ds10_unclassified	182	0.056527817
Saccharospirillaceae_Reinekea	183	0.056527817
Nocardioidaceae_Aeromicrobium	184	0.056527817
Verrucomicrobiaceae_Verrucomicrobi	185	0.056527817
Methylacidiphilaceae_LP2A	186	0.056527817
Chitinophagaceae_unclassified	187	0.056527817
Cystobacteraceae_Cystobacter	188	0.056724215
Geobacteraceae_unclassified	189	0.058357272
Ectothiorhodospiraceae_Halorhodosp	190	0.059106814
Campylobacteraceae_Arcobacter	191	0.059496379
Alteromonadaceae_Cellvibrio	192	0.059496379
Rhodocyclaceae_unclassified	193	0.059496379
Dermabacteraceae_Brachybacterium	194	0.059496379
Moraxellaceae_unclassified	195	0.060287654
Methylococcaceae_Methylocaldum	196	0.060287654
Desulfobacteraceae_unclassified	197	0.060287654
unclassified_sfAM	198	0.06100532
Gemmatimonadaceae_unclassified	199	0.06100532
Alteromonadaceae_Glaciecola	200	0.061466303
Rhizobiaceae_Agrobacterium	201	0.061466303
Alcanivoracaceae_Alcanivorax	202	0.062318436

Ectothiorhodospiraceae_unclassified	203	0.062318436
Propionibacteriaceae_unclassified	204	0.062318436
unclassified_sfP	205	0.062318436
Rhodobacteraceae_Ruegeria	206	0.063447897
Enterobacteriaceae_Candidatus Bloch	207	0.063447897
Neisseriaceae_unclassified	208	0.063447897
unclassified_sfQ	209	0.063447897
Ignavibacteriaceae_unclassified	210	0.063447897
unclassified_sfS	211	0.063827178
Enterobacteriaceae_Citrobacter	212	0.063827178
Chloroflexaceae_unclassified	213	0.063827178
Bradyrhizobiaceae_unclassified	214	0.063827178
Hyphomicrobiaceae_Rhodoplanes	215	0.063827178
Flexibacteraceae_Dyadobacter	216	0.063827178
Alcanivoracaceae_unclassified	217	0.063976535
Oceanospirillaceae_unclassified	218	0.063976535
Coxiellaceae_Rickettsiella	219	0.063976535
Myxococcaceae_Corallococcus	220	0.063976535
Hyphomicrobiaceae_unclassified	221	0.063976535
Rhizobiaceae_Sinorhizobium	222	0.063976535
Alteromonadaceae_nsmpVI18	223	0.064586104
Halomonadaceae_unclassified	224	0.064586104
Pseudonocardiaceae_Pseudonocardia	225	0.064586104
Halomonadaceae_Haererehalobacter	226	0.066378885
Enterobacteriaceae_Baumannia	227	0.066802362
Desulfobacteraceae_Desulfobacteriur	228	0.067047829
Enterobacteriaceae_Photorhabdus	229	0.067047829
Bacillaceae_unclassified	230	0.067047829
Anaerolinaceae_A4b	231	0.067047829
Desulfovibrionaceae_Desulfovibrio	232	0.067047829
Enterobacteriaceae_Raoultella	233	0.067327528
Pasteurellaceae_Mannheimia	234	0.067327528
Anaerolinaceae_Anaerolinea	235	0.067327528
Enterobacteriaceae_Edwardsiella	236	0.068045498
Enterobacteriaceae_Yersinia	237	0.068045498
Enterobacteriaceae_Brenneria	238	0.068045498
Phormidiaceae_Trichodesmium	239	0.068045498
Helicobacteraceae_Sulfurovum	240	0.068045498
Bradyrhizobiaceae_Afipia	241	0.068045498
Pasteurellaceae_Chelonobacter	242	0.068301748
Gordoniaceae_unclassified	243	0.068301748

so4B24_unclassified	244	0.068301748
Sphingomonadaceae_Novosphingobiu	245	0.068301748
Rhodobacteraceae_Pseudoruegeria	246	0.068301748
Porphyromonadaceae_unclassified	247	0.068301748
Frankiaceae_Frankia	248	0.069303624
Rhodobacteraceae_Loktanella	249	0.069303624
Anaplasmataceae_Anaplasma	250	0.069303624
Cyclobacteriaceae_unclassified	251	0.069815406
Halomonadaceae_Salicola	252	0.069926962
Rhodobacteraceae_Amaricoccus	253	0.069926962
Eubacteriaceae_Eubacterium	254	0.070338773
Thiotrichaceae_Achromatium	255	0.070338773
Scalinduaceae_Candidatus Scalindua	256	0.070338773
Desulfuromonadaceae_Desulfuromon	257	0.070338773
Hydrogenophilaceae_unclassified	258	0.071241477
Ruminococcaceae_Faecalibacterium	259	0.071241477
Magnetococcaceae_Magnetococcus	260	0.071241477
Corynebacteriaceae_unclassified	261	0.071931929
Tsukamurellaceae_Tsukamurella	262	0.071931929
Clostridiales Family XI. Incertae Sedis_	263	0.071931929
Enterobacteriaceae_Cronobacter	264	0.072567965
Anaerolinaceae_unclassified	265	0.072567965
Flexibacteraceae_unclassified	266	0.072567965
Pasteurellaceae_Pasteurella	267	0.073682008
Microbacteriaceae_unclassified	268	0.073682008
Deinococcaceae_Deinococcus	269	0.073682008
Syntrophobacteraceae_Syntrophobac	270	0.073682008
Coxiellaceae_Coxiella	271	0.074358838
Xanthomonadaceae_Stenotrophomor	272	0.074358838
Bacillaceae_Halobacillus	273	0.074358838
Microcystaceae_Microcystis	274	0.074358838
Caulobacteraceae_unclassified	275	0.074358838
Ulvophyceae_unclassified	276	0.074536827
Alcanivoracaceae_Kangiella	277	0.074536827
Alcaligenaceae_Achromobacter	278	0.074536827
Phormidiaceae_Phormidium	279	0.074536827
Thermaceae_Thermus	280	0.074536827
Nocardioidaceae_unclassified	281	0.075188804
Rhodobacteraceae_Roseisalinus	282	0.075188804
Holophagaceae_unclassified	283	0.075822392
Cohaesibacteraceae_Cohaesibacter	284	0.076227855

Hydrogenophilaceae_Thiobacillus	285	0.077421898
Haloplasmataceae_Haloplasma	286	0.077421898
Thermodesulfovibrionaceae_BD2-6	287	0.077421898
Flavobacteriaceae_Tenacibaculum	288	0.077421898
Cryomorphaceae_unclassified	289	0.077421898
Odyssellaceae_Candidatus Odyssella	290	0.077421898
Comamonadaceae_Ramlibacter	291	0.078374678
Chromatiaceae_Allochromatium	292	0.079204458
Nitrosomonadaceae_unclassified	293	0.079204458
Gemmataceae_unclassified	294	0.079204458
Phyllobacteriaceae_Mesorhizobium	295	0.079204458
Holosporaceae_unclassified	296	0.079204458
Xanthomonadaceae_Xanthomonas	297	0.07991375
Planococcaceae_Sporosarcina	298	0.07991375
Pasteurellaceae_Actinobacillus	299	0.080436364
unclassified_sfH	300	0.080436364
Halomonadaceae_Chromohalobacter	301	0.080436364
Acetobacteraceae_unclassified	302	0.080436364
Acholeplasmataceae_Candidatus Phyt	303	0.081467433
Paenibacillaceae_Paenibacillus	304	0.081830645
Neisseriaceae_Kingella	305	0.082090838
Lachnospiraceae_Ruminococcus	306	0.082090838
CL500-29_unclassified	307	0.082090838
Aurantimonadaceae_Aurantimonas	308	0.082090838
Pseudomonadaceae_unclassified	309	0.082780653
Acidithiobacillaceae_Acidithiobacillus	310	0.082780653
Pasteurellaceae_unclassified	311	0.082780653
Microbacteriaceae_Microbacterium	312	0.082780653
EB1017_unclassified	313	0.082780653
Hyphomonadaceae_Hyphomonas	314	0.082780653
Acetobacteraceae_Gluconacetobacter	315	0.083427147
Sphingomonadaceae_Sphingomonas	316	0.083427147
Rickettsiaceae_Orientia	317	0.083838328
unclassified_sfK	318	0.083838328
Enterobacteriaceae_Sodalis	319	0.083838328
Gallionellaceae_unclassified	320	0.083838328
Bogoriellaceae_Georgenia	321	0.083838328
Victivallaceae_unclassified	322	0.083838328
Verrucomicrobia subdivision 3_unclas	323	0.083838328
Brucellaceae_unclassified	324	0.083838328
Chitinophagaceae_Niabella	325	0.083838328

NB1-i_unclassified	326	0.08491802
Enterobacteriaceae_Enterobacter	327	0.08491802
Nocardioidaceae_Nocardioides	328	0.08491802
Flavobacteriaceae_Gelidibacter	329	0.08491802
Rhodocyclaceae_Dechloromonas	330	0.085504064
Flammeovirgaceae_Candidatus Amoe	331	0.085504064
OM60_Congregibacter	332	0.086114751
Enterobacteriaceae_Dickeya	333	0.086114751
Rhodocyclaceae_Zoogloea	334	0.086114751
Methylophilaceae_Methylophilus	335	0.086114751
Actinomycetaceae_Actinomyces	336	0.086114751
Dehalococcoidaceae_unclassified	337	0.086114751
Anaerolinaceae_CFB-26	338	0.086114751
Alteromonadaceae_Microbulbifer	339	0.086687083
Dietziaceae_Dietzia	340	0.086687083
Caldilineaceae_Caldilinea	341	0.086687083
Rhizobiaceae_Martelella	342	0.086687083
Campylobacteraceae_Sulfurospirillum	343	0.087161576
Rhodothermaceae_Salisaeta	344	0.087161576
Chlamydiaceae_Chlamydia	345	0.087905831
Synergistaceae_unclassified	346	0.087905831
Clostridiaceae_Natronincola	347	0.087905831
Intrasporangiaceae_unclassified	348	0.088620252
Piscirickettsiaceae_Thiomicrospira	349	0.088731759
Eubacteriaceae_Acetobacterium	350	0.088731759
unclassified_sfO	351	0.089939763
unclassified_sfJ	352	0.089939763
Gallionellaceae_Gallionella	353	0.089939763
Ruminococcaceae_Oscillospira	354	0.089939763
Coxiellaceae_Aquicella	355	0.09056399
Enterobacteriaceae_Proteus	356	0.09056399
Pseudonocardiaceae_Amycolatopsis	357	0.09056399
Microbacteriaceae_Agrococcus	358	0.09056399
Brucellaceae_Ochrobactrum	359	0.091449737
Idiomarinaceae_Idiomarina	360	0.092177965
Methylophilaceae_unclassified	361	0.092177965
Mariprofundaceae_Mariprofundus	362	0.092177965
Desulfobulbaceae_Desulfotalea	363	0.092177965
Planctomycetaceae_Planctomyces	364	0.092177965
Sphingobacteriaceae_unclassified	365	0.092177965
Piscirickettsiaceae_Methylophaga	366	0.092811229

Comamonadaceae_Rhodoferax	367	0.092811229
Haloplasmataceae_unclassified	368	0.092811229
Spartobacteriaceae_Candidatus Xiphi	369	0.092811229
Moraxellaceae_Enhydrobacter	370	0.093496789
Enterobacteriaceae_Shigella	371	0.093758139
Micromonosporaceae_Dactylosporan	372	0.093758139
Myxococcaceae_Anaeromyxobacter	373	0.093758139
BSV19_unclassified	374	0.094508288
Chromatiaceae_Thiocystis	375	0.094840207
Waddliaceae_Waddlia	376	0.094840207
Beijerinckiaceae_unclassified	377	0.094840207
Bifidobacteriaceae_Bifidobacterium	378	0.095480457
Colwelliaceae_Thalassomonas	379	0.095594488
Verrucomicrobiaceae_unclassified	380	0.095594488
Clostridiales Family XIII. Incertae Sedis	381	0.095594488
Pseudomonadaceae_Azomonas	382	0.096829525
Alteromonadaceae_Alishewanella	383	0.096829525
Streptomycetaceae_Kitasatospora	384	0.097680748
Geodermatophilaceae_unclassified	385	0.097680748
Micromonosporaceae_Actinoplanes	386	0.097680748
Veillonellaceae_Megasphaera	387	0.097680748
unclassified_sfAD	388	0.097680748
Geodermatophilaceae_Geodermatopl	389	0.098325636
Clostridiaceae_Alkaliphilus	390	0.098325636
Oceanospirillaceae_Oleispira	391	0.099671774
Pseudanabaenaceae_Leptolyngbya	392	0.099671774
Aerococcaceae_unclassified	393	0.100752946
Cyanobacteriaceae_Halothece	394	0.100752946
Erysipelotrichaceae_unclassified	395	0.100752946
Spirochaetaceae_Borrelia	396	0.100752946
Micromonosporaceae_Salinispora	1-Feb	0.102193664
Listeriaceae_unclassified	398	0.102193664
Flammeovirgaceae_Thermonema	399	0.102193664
Sphingomonadaceae_unclassified	400	0.103539838
Planctomycetaceae_Rhodopirellula	401	0.104279198
Comamonadaceae_Limnohabitans	402	0.104279198
Micrococcaceae_Rothia	403	0.104279198
Hyphomicrobiaceae_Hyphomicrobium	404	0.104279198
Rhodobacteraceae_Paracoccus	405	0.104279198
Rhodobacteraceae_Octadecabacter	406	0.105041548
Rhodocyclaceae_Rhodocyclus	407	0.105041548

Rhodothermaceae_unclassified	408	0.105041548
Comamonadaceae_Polaromonas	409	0.106634067
Methylocystaceae_Methylosinus	410	0.106634067
Clostridiales Family XI. Incertae Sedis_	411	0.106634067
Xenococcaceae_Chroococcidiopsis	412	0.107792985
Flavobacteriaceae_Chryseobacterium	413	0.107792985
Dethiosulfovibrionaceae_TG5	414	0.10880599
Crenotrichaceae_Crenothrix	415	0.10880599
Clostridiaceae_unclassified	416	0.10880599
Clostridiales Family XI. Incertae Sedis_	417	0.109893222
Halobacteroidaceae_Halanaerobacter	418	0.111218296
Chitinophagaceae_Chitinophaga	419	0.111218296
Campylobacteraceae_Campylobacter	420	0.112072168
Sinobacteraceae_Nevskia	421	0.112507336
Erysipelotrichaceae_Allobaculum	422	0.11327026
Enterobacteriaceae_Averyella	423	0.11327026
Oxalobacteraceae_Massilia	424	0.11327026
Brucellaceae_Pseudochrobactrum	425	0.11327026
Rikenellaceae_Alistipes	426	0.11327026
Methylophilaceae_Methylotenera	427	0.114081159
vadinHA31_RFN20	428	0.114081159
Moraxellaceae_Alkanindiges	429	0.114652716
Pasteurellaceae_Avibacterium	430	0.114652716
Promicromonosporaceae_Myceligene	431	0.114652716
Peptococcaceae_Pelotomaculum	432	0.114652716
Desulfovibrionaceae_LE30	433	0.114652716
Ferrimonadaceae_Ferrimonas	434	0.115750312
Comamonadaceae_Brachymonas	435	0.115750312
Thermodesulfovibrionaceae_Thermoc	436	0.115750312
OM60_OM60	437	0.116656325
Promicromonosporaceae_Promicrom	438	0.116656325
Bacillaceae_Pontibacillus	439	0.116656325
Polyangiaceae_Sorangium	440	0.116656325
Anaerolinaceae_T78	441	0.116656325
Caulobacteraceae_Brevundimonas	442	0.116656325
Rubrobacteraceae_unclassified	443	0.117635928
Enterococcaceae_Enterococcus	444	0.117635928
kpj58rc_unclassified	445	0.117635928
Spirochaetaceae_Spirochaeta	446	0.118524193
Chromatiaceae_Marichromatium	447	0.118740016
Nannocystaceae_Plesiocystis	448	0.118740016

Thermotogaceae_Thermotoga	449	0.118740016
Oceanospirillaceae_Marinomonas	450	0.119449077
Nocardioidaceae_Friedmanniella	451	0.119449077
Intrasporangiaceae_Phycicoccus	452	0.119449077
Ktedonobacteraceae_Ktedonobacter	453	0.119449077
Francisellaceae_Francisella	454	0.120336248
Salinisphaeraceae_unclassified	455	0.120336248
D2_unclassified	456	0.120336248
Rivulariaceae_Calothrix	457	0.120336248
Burkholderiaceae_Burkholderia	458	0.120839135
Planococcaceae_Planomicrobium	459	0.120839135
Bacillaceae_Oceanobacillus	460	0.120839135
Sulfobacillaceae_Sulfobacillus	461	0.120839135
Bacteriovoracaceae_Bacteriovorax	462	0.120839135
Desulfohalobiaceae_Desulfonatronovi	463	0.121692287
Enterobacteriaceae_Morganella	464	0.122073705
Ruminococcaceae_Eubacterium	465	0.122073705
Pseudonocardiaceae_unclassified	466	0.122073705
Campylobacteraceae_unclassified	467	0.122073705
Nordellaceae_Nordella	468	0.122073705
Flexibacteraceae_Cytophaga	469	0.123528803
Bacillaceae_Virgibacillus	470	0.124548188
Xanthomonadaceae_Arenimonas	471	0.12614085
Micromonosporaceae_Pilimelia	472	0.12614085
Opitutaceae_unclassified	473	0.12614085
Methylobacteriaceae_Methylobacteri	474	0.12614085
Erythrobacteraceae_unclassified	475	0.126697102
HOC21_unclassified	476	0.126697102
Lachnospiraceae_Clostridium	477	0.126697102
Paenibacillaceae_Ammoniphilus	478	0.126697102
Thermoanaerobacteraceae_Thermoar	479	0.126697102
Promicromonosporaceae_Xylanimicro	480	0.127975098
Conexibacteraceae_unclassified	481	0.127975098
Patulibacteraceae_unclassified	482	0.127975098
Desulfobacteraceae_Desulfococcus	483	0.127975098
Micrococcaceae_unclassified	484	0.12843152
Anaerolinaceae_O4D2Z37	485	0.12843152
Oxalobacteraceae_Oxalobacter	486	0.12843152
Neisseriaceae_Eikenella	487	0.12843152
Rhodobacteraceae_Roseivivax	488	0.12843152
Ruminococcaceae_Ruminococcus	489	0.129453844

Rhodobacteraceae_Jannaschia	490	0.129453844
Spirochaetaceae_TM3	491	0.129453844
Rickettsiaceae_Rickettsia	492	0.129964101
Tepidimonaceae_Tepidimonas	493	0.129964101
Phormidiaceae_Microcoleus	494	0.129964101
Spartobacteriaceae_MC18	495	0.129964101
Anaeroplasmataceae_unclassified	496	0.129964101
Xanthomonadaceae_Ignatzschineria	497	0.13086645
Oceanospirillaceae_Oceanospirillum	498	0.130933013
Enterobacteriaceae_Providencia	499	0.130933013
unclassified_sfAB	500	0.130933013
Nitrosomonadaceae_Nitrosomonas	501	0.132592755
Xanthomonadaceae_Dyella	502	0.132592755
unclassified_sfN	503	0.133694709
Nocardioidaceae_Propionicimonas	504	0.133694709
Carnobacteriaceae_unclassified	505	0.133694709
Coriobacteriaceae_Slackia	506	0.133694709
Xanthomonadaceae_Xylella	507	0.134104778
Streptomycetaceae_unclassified	508	0.134104778
Eubacteriaceae_unclassified	509	0.135248417
Lachnospiraceae_Roseburia	510	0.135248417
Bradyrhizobiaceae_Bosea	511	0.135248417
Flexibacteraceae_Persicobacter	512	0.135248417
Cyclobacteriaceae_Algoriphagus	513	0.135248417
Methylococcaceae_Methylosarcina	514	0.135897734
Alcaligenaceae_Bordetella	515	0.135897734
Bdellovibrionaceae_Bdellovibrio	516	0.135897734
JTB38_unclassified	517	0.135897734
Planctomycetaceae_A17	518	0.135897734
Flavobacteriaceae_Bizionia	519	0.135897734
Burkholderiaceae_Cupriavidus	520	0.136896003
Pseudanabaenaceae_unclassified	521	0.136896003
Rhizobiaceae_Kaistia	522	0.136896003
Phyllobacteriaceae_Pseudaminobacte	523	0.136896003
Alteromonadaceae_Agarivorans	524	0.138098666
Alcaligenaceae_Tetrathiobacter	525	0.138098666
Ruminococcaceae_Clostridium	526	0.138098666
Glycomycetaceae_unclassified	527	0.138999125
Helicobacteraceae_Sulfurimonas	528	0.138999125
OPB56/SM1B09_unclassified	529	0.14010321
Aeromonadaceae_Zobellella	530	0.141317302

Sinobacteraceae_Steroidobacter	531	0.141317302
Microbacteriaceae_Pseudoclavibacter	532	0.141317302
Thermodesulfovibrionaceae_LCP-6	533	0.141317302
SHA-4_BHB21	534	0.142369152
Enterobacteriaceae_Buttiauxella	535	0.142369152
Alcaligenaceae_unclassified	536	0.142369152
Staphylococcaceae_Macrococcus	537	0.142369152
Bradyrhizobiaceae_Nitrobacter	538	0.142369152
Clostridiales Family XI. Incertae Sedis_	539	0.142369152
Xanthomonadaceae_Dokdonella	540	0.142903837
Kineosporiaceae_Kineococcus	541	0.142903837
Williamsiaceae_unclassified	542	0.142903837
Promicromonosporaceae_Cellulosimic	543	0.142903837
Planococcaceae_Rummeliibacillus	544	0.142903837
Caldilineaceae_unclassified	545	0.142903837
Verrucomicrobiaceae_Akkermansia	546	0.142903837
Helicobacteraceae_Sulfuricurvum	547	0.143820679
Desulfobacteraceae_Desulfosarcina	548	0.144837264
PRR-10_unclassified	549	0.145111535
Legionellaceae_unclassified	550	0.145980738
Lachnospiraceae_Catonella	551	0.145980738
Rhodospirillaceae_Azospirillum	552	0.145980738
Flavobacteriaceae_Flavobacterium	553	0.145980738
Erysipelotrichaceae_PSB-M-3	554	0.145980738
Moraxellaceae_Perlucidibaca	555	0.146872308
Pasteurellaceae_Aggregatibacter	556	0.146872308
Alcaligenaceae_Azohydromonas	557	0.146872308
Acidobacteriaceae_Candidatus Koriba	558	0.146872308
Chlamydiaceae_Chlamydophila	559	0.146872308
Oxalobacteraceae_Herbaspirillum	560	0.148261987
Solirubrobacteraceae_unclassified	561	0.149366314
Nitrospiraceae_Nitrospira	562	0.149366314
Caldilineaceae_SJA-15	563	0.149366314
Glycomycetaceae_Glycomyces	564	0.150662229
Thermomonosporaceae_Actinocorallia	565	0.150662229
Veillonellaceae_Dialister	566	0.150662229
unclassified_sfL	567	0.150662229
Planococcaceae_Solibacillus	568	0.152019186
Nocardiaceae_unclassified	569	0.152751626
Nostocaceae_Dolichospermum	570	0.152751626
A714017_SargSea-WGS	571	0.152751626

Hydrogenothermaceae_Hydrogenothe	572	0.152751626
Aquificaceae_Hydrogenobaculum	573	0.152751626
Halomonadaceae_Cobetia	574	0.152751626
Xanthomonadaceae_Thermomonas	575	0.154102454
Comamonadaceae_Hylemonella	576	0.154102454
Actinomycetaceae_Mobiluncus	577	0.154102454
Thermomonosporaceae_Actinomadur	578	0.154102454
Veillonellaceae_unclassified	579	0.154102454
Phormidiaceae_Planktothrix	580	0.154102454
Erysipelotrichaceae_Catenibacterium	581	0.154102454
SHA-4_Candidatus Cloacamonas	582	0.154102454
Peptococcaceae_unclassified	583	0.155038746
Deferribacteraceae_Deferribacter	584	0.155089576
Rhodobacteraceae_Phaeobacter	585	0.155089576
Rhodobacteraceae_Marivita	586	0.155089576
Cellulomonadaceae_Cellulomonas	587	0.155971314
TTA_B6_unclassified	588	0.155971314
unclassified_sfM	589	0.15662572
Vibrionaceae_unclassified	590	0.15662572
Succinivibrionaceae_Anaerobiospirillu	591	0.15662572
Coriobacteriaceae_Eggerthella	592	0.15662572
Rhizobiaceae_Ensifer	593	0.15662572
Chromatiaceae_Thiorhodococcus	594	0.157553249
Beutenbergiaceae_unclassified	595	0.157553249
Sphingomonadaceae_Sphingobium	596	0.157553249
Bartonellaceae_Bartonella	597	0.157553249
Comamonadaceae_Simplicispira	598	0.158830229
Mycoplasmataceae_unclassified	599	0.158830229
Anaplasmataceae_Neorickettsia	600	0.158830229
Rhodobacteraceae_Thalassobius	601	0.160330443
Peptococcaceae_Desulfotomaculum	602	0.161233754
Methylibiaceae_Methylibium	603	0.161233754
Xanthomonadaceae_Pseudoxanthom	604	0.161233754
Neisseriaceae_Vogesella	605	0.161233754
Micrococcaceae_Sinomonas	606	0.161233754
Yaniellaceae_Yaniella	607	0.161233754
FW_4-29	608	0.161233754
SHA-4_GZKB57	609	0.161233754
Francisellaceae_unclassified	610	0.16203767
Enterobacteriaceae_TUA	611	0.16203767
Alcaligenaceae_Alcaligenes	612	0.16203767

Planococcaceae_Bacillus	613	0.16203767
JdFBGBact_unclassified	614	0.16203767
Verrucomicrobiaceae_MSBL3	615	0.16203767
Phyllobacteriaceae_Ahrensia	616	0.16203767
Clostridiaceae_Caloramator	617	0.16203767
Paenibacillaceae_Cohnella	618	0.164996958
Oceanospirillaceae_Oleibacter	619	0.165819159
Rhodocyclaceae_Azoarcus	620	0.165819159
Thiotrichaceae_Thiothrix	621	0.165819159
Erysipelotrichaceae_Sharpea	622	0.165819159
Chromatiaceae_Thiocapsa	623	0.166823266
Nocardiopsaceae_Nocardiopsis	624	0.166823266
Streptococcaceae_Lactococcus	625	0.166823266
Nostocaceae_Anabaenopsis	626	0.166823266
Alteromonadaceae_BD2-13	627	0.167887495
Kineosporiaceae_unclassified	628	0.167887495
Cellulomonadaceae_Actinotalea	629	0.167887495
Haliangiaceae_Haliangium	630	0.167887495
Fusobacteriaceae_Propionigenium	631	0.16964265
Nitrospinaceae_Nitrospina	632	0.16964265
Caulobacteraceae_Caulobacter	633	0.16964265
SHBZ1169_unclassified	634	0.170821303
Micrococcaceae_Micrococcus	635	0.170821303
Nautiliaceae_Caminibacter	636	0.170821303
Bradyrhizobiaceae_Rhodopseudomon	637	0.170821303
Paenibacillaceae_Brevibacillus	638	0.172215438
Flavobacteriaceae_Cellulophaga	639	0.172215438
Saprospiraceae_Candidatus Aquirestis	640	0.172215438
Vibrionaceae_Aliivibrio	641	0.173234479
Microthrixaceae_unclassified	642	0.173234479
Pasteuriaceae_unclassified	643	0.173234479
Halobacteroidaceae_unclassified	644	0.173234479
Mycoplasmataceae_Mycoplasma	645	0.173234479
Streptomycetaceae_Streptacidiphilus	646	0.174624702
unclassified_sfAR	647	0.174624702
A714017_ZA3312c	648	0.17556566
Rubrivivaceae_Rubrivivax	649	0.176991322
Actinosynnemataceae_unclassified	650	0.176991322
Thermoactinomycetaceae_unclassifie	651	0.176991322
At425_EubF1_unclassified	652	0.176991322
Scytonemataceae_unclassified	653	0.176991322

Sphingobacteriaceae_Sphingobacteriu	654	0.176991322
Intrasporangiaceae_Janibacter	655	0.178202514
Methylocystaceae_Pleomorphomonas	656	0.178202514
Erythrobacteraceae_Erythromicrobiur	657	0.178202514
unclassified_sfV	658	0.178202514
Staphylococcaceae_Salinicoccus	659	0.179215293
Vibrionaceae_Enterovibrio	660	0.179317091
Lachnospiraceae_Eubacterium	661	0.179317091
Frankiaceae_unclassified	662	0.179317091
Desulfomicrobiaceae_Desulfomicrobiu	663	0.179317091
Hyphomicrobiaceae_Pedomicrobium	664	0.179317091
Thiohalomnaceae_Thiohalomonas	665	0.180488999
Chitinophagaceae_Niastella	666	0.180488999
Thermicanaceae_Thermicanus	667	0.18158901
Enterobacteriaceae_Pectobacterium	668	0.181641611
Alcaligenaceae_Castellaniella	669	0.181641611
Comamonadaceae_Lampropedia	670	0.181641611
Pseudonocardiaceae_Saccharomonos	671	0.181641611
Prevotellaceae_unclassified	672	0.181641611
Desulfobulbaceae_Desulfocapsa	673	0.181948311
Aurantimonadaceae_unclassified	674	0.181948311
Phormidiaceae_unclassified	675	0.183142371
Rhodospirillaceae_Phaeospirillum	676	0.183142371
Carnobacteriaceae_Carnobacterium	677	0.183142371
Microbacteriaceae_Microcella	678	0.184577648
Peptococcaceae_Desulfitobacterium	679	0.184577648
Veillonellaceae_Veillonella	680	0.184577648
Desulfohalobiaceae_Desulfovermiculu	681	0.184577648
Comamonadaceae_Giesbergeria	682	0.185918384
Thermodesulfovibrionaceae_GOUTA1	683	0.185918384
Synergistaceae_vadinCA02	684	0.185918384
Blattabacteriaceae_unclassified	685	0.185918384
Endozoicimonaceae_Endozoicimonas	686	0.187239396
Hyphomonadaceae_unclassified	687	0.187239396
Thiotrichaceae_unclassified	688	0.188293237
Clostridiaceae_Sarcina	689	0.188293237
Neisseriaceae_Aquitalea	690	0.188320223
Bacteroidaceae_Bacteroides	691	0.188320223
Alteromonadaceae_Candidatus Endob	692	0.188320223
Alteromonadaceae_Spongiibacter	693	0.188320223
Aeromonadaceae_Tolumonas	694	0.188320223

Enterobacteriaceae_Arsenophonus	695	0.189310985
Rarobacteraceae_Rarobacter	696	0.189310985
Nocardiopsaceae_unclassified	697	0.189310985
Exiguobacteraceae_Exiguobacterium	698	0.189310985
Porphyromonadaceae_Dysgonomona	699	0.189310985
Saccharospirillaceae_Saccharospirillur	700	0.190503819
Brachyspiraceae_Brachyspira	701	0.190503819
Bacillaceae_Lentibacillus	702	0.191859485
Syntrophaceae_Desulfobacca	703	0.191859485
Sphingobacteriaceae_Pedobacter	704	0.191859485
unclassified_sfAA	705	0.191859485
ACK-M1_unclassified	706	0.193449114
Bacillaceae_Halolactibacillus	707	0.193449114
Thermoanaerobacteraceae_Ammonif	708	0.193449114
Rhodobacteraceae_Rhodobaca	709	0.193449114
Blattabacteriaceae_Blattabacterium	710	0.193449114
Spirochaetaceae_IE043	711	0.193449114
Oxalobacteraceae_Paucimonas	712	0.194729949
Xanthomonadaceae_Frateuria	713	0.194729949
Sporolactobacillaceae_Sporolactobaci	714	0.194729949
Anaerobrancaceae_Anaerobranca	715	0.194729949
Hydrogenothermaceae_unclassified	716	0.194729949
Entomoplasmataceae_unclassified	717	0.194729949
Burkholderiaceae_Pandoraea	718	0.196172153
Microbacteriaceae_Cryocola	719	0.196172153
Aerococcaceae_Facklamia	720	0.196172153
Clostridiales Family XII. Incertae Sedis_	721	0.196172153
Spiroplasmataceae_Spiroplasma	722	0.196172153
MND4_unclassified	723	0.197595005
Rikenellaceae_unclassified	724	0.198730238
Salinisphaeraceae_Salinisphaera	725	0.198820045
Propionibacteriaceae_Tessaracoccus	726	0.198820045
Phormidiaceae_Oscillatoria	727	0.198820045
Sphingomonadaceae_Sphingopyxis	728	0.198820045
Acetobacteraceae_Asaia	729	0.198820045
Nannocystaceae_Nannocystis	730	0.200383639
Porphyromonadaceae_Parabacteroide	731	0.200383639
OPB56_unclassified	732	0.201602271
Sphingobacteriaceae_Parapedobacter	733	0.202177515
Litincolaceae_Litincola	734	0.2037732
Nakamurellaceae_unclassified	735	0.2037732

Thermoanaerobacterales Family III. In	736	0.2037732
Carnobacteriaceae_Trichococcus	737	0.2037732
Nocardioidaceae_Actinopolymorpha	738	0.204957851
Thermovirgaceae_unclassified	739	0.204957851
Rhodospirillaceae_Magnetospirillum	740	0.204957851
Enterobacteriaceae_Tatumella	741	0.206302503
Dehalobacteriaceae_Dehalobacterium	742	0.206302503
Erysipelotrichaceae_Clostridium	743	0.206302503
Erysipelotrichaceae_Bulleidia	744	0.206302503
Microbacteriaceae_Rathayibacter	745	0.207593675
Scytonemataceae_Brasilonema	746	0.207593675
Anaerolinaceae_A31	747	0.207593675
Erysipelotrichaceae_Coprobacillus	18-Jan	0.207593675
Rhodospirillaceae_Skermanella	749	0.209218808
Rhodobacteraceae_Rubellimicrobium	750	0.209218808
Flexibacteraceae_Hymenobacter	751	0.209218808
Flexibacteraceae_Pontibacter	752	0.209218808
Idiomarinaceae_unclassified	753	0.210578658
Planococcaceae_unclassified	754	0.210578658
Streptosporangiaceae_Microtetraspor	755	0.212305966
Flavobacteriaceae_Myroides	756	0.212305966
Clostridiaceae_Caminicella	757	0.212305966
Anaeroplasmataceae_Anaeroplasma	758	0.212305966
Methylococcaceae_Methylococcus	759	0.213523683
Chlorobiaceae_Chlorobaculum	760	0.213523683
Spirochaetaceae_za29	761	0.213523683
A714017_SHAG537	762	0.216117249
Gemmatimonadaceae_Gemmatimona	763	0.216117249
Acetobacteraceae_Tanticharoenia	764	0.216117249
Rhodobacteraceae_Thioclava	765	0.216117249
Oceanospirillaceae_UMB6E	766	0.217664592
Enterococcaceae_unclassified	767	0.217664592
Flavobacteriaceae_Maribacter	768	0.217664592
Oceanospirillaceae_Marinospirillum	769	0.218883149
Nitrosomonadaceae_Nitrosospira	770	0.218883149
Lachnospiraceae_Blautia	771	0.218883149
Nostocaceae_Nodularia	772	0.218883149
Aeromonadaceae_Oceanimonas	773	0.221544827
Rivulariaceae_unclassified	774	0.221544827
Rhodobacteraceae_Roseobacter	775	0.221544827
unclassified_sfT	776	0.221544827

Alteromonadaceae_ND137	777	0.222782027
Alteromonadaceae_HTCC2207	778	0.222782027
Micrococcaceae_Kocuria	779	0.222782027
Helicobacteraceae_Helicobacter	780	0.222782027
Dolo_23_unclassified	781	0.222782027
Microbacteriaceae_Leucobacter	782	0.224070855
Holophagaceae_Geothrix	783	0.224070855
Ignavibacteriaceae_Ignavibacterium	784	0.224070855
Halothiobacillaceae_Halothiobacillus	785	0.225511933
Burkholderiaceae_Ralstonia	786	0.225511933
Sphaerochaetaceae_Sphaerochaeta	787	0.225511933
J115_unclassified	788	0.227070182
Actinosynnemataceae_Saccharothrix	789	0.227070182
Caldicellulosiruptoraceae_Caldicellulo	790	0.227070182
Verrucomicrobiaceae_Haloferula	791	0.227070182
Calithrixaceae_Caldithrix	792	0.227070182
Alicyclobacillaceae_Alicyclobacillus	793	0.228241193
Polyangiaceae_unclassified	794	0.228241193
Methanothermaceae_Methanotherm	795	0.228241193
Chloroflexaceae_Roseiflexus	796	0.229630818
Cohaesibacteraceae_unclassified	797	0.229630818
Rhodobacteraceae_Maribius	798	0.229630818
Lactobacillaceae_Pediococcus	799	0.229630818
Xanthobacteraceae_Ancylobacter	800	0.230837233
Methylocystaceae_unclassified	801	0.230837233
Acetobacteraceae_Swaminathania	802	0.230837233
Sphaerobacterineae_unclassified	803	0.232170217
Oceanospirillaceae_Marinobacterium	804	0.232658249
Rhodobacteraceae_Sulfitobacter	805	0.232658249
Nostocaceae_Nostoc	806	0.234427829
Hyphomicrobiaceae_Blastochloris	807	0.234427829
Prochloraceae_Prochloron	808	0.235674762
Brevibacteriaceae_Brevibacterium	809	0.235847504
Paenibacillaceae_unclassified	810	0.235847504
Rhodobiaceae_unclassified	811	0.235847504
Erysipelotrichaceae_ATCC_27806	812	0.235847504
Oceanospirillaceae_Neptunomonas	813	0.237448623
Erysipelotrichaceae_ATCC_27803	814	0.237448623
Ideonellaceae_Ideonella	815	0.23866954
Microbacteriaceae_Agromyces	816	0.23866954
Listeriaceae_Listeria	817	0.23866954

unclassified_sfAF	818	0.23866954
Desulfonatronumaceae_Desulfonatro	819	0.23866954
Pseudomonadaceae_Azotobacter	820	0.240203116
Alteromonadaceae_HB2-32-21	821	0.240203116
Syntrophomonadaceae_unclassified	822	0.240203116
Chlorobiaceae_unclassified	823	0.240203116
Flavobacteriaceae_Winogradskyella	824	0.240203116
Thermoanaerobacterales Family III. In	825	0.242211474
Erythrobacteraceae_Lutibacterium	826	0.242211474
Flavobacteriaceae_Gillisia	827	0.242211474
Kineosporiaceae_Kineosporia	828	0.2436765
Synechococcaceae_Synechococcus	829	0.2436765
Pelobacteraceae_Pelobacter	830	0.245615696
Carnobacteriaceae_Alkalibacterium	831	0.247274517
Anaerolinaceae_OPB11	832	0.247274517
Chlorobiaceae_Chlorobium	833	0.247274517
Anaerolinaceae_GN14	834	0.247274517
Kiloniellaceae_Thalassospira	835	0.248980988
Caulobacteraceae_Phenylobacterium	836	0.248980988
Erysipelotrichaceae_Holdemania	837	0.248980988
Caldisericaceae_CS_B038	838	0.248980988
A29_unclassified	839	0.248980988
Planococcaceae_Lysinibacillus	840	0.251029388
TTA_B6_E6	841	0.251029388
Phyllobacteriaceae_Nitratireductor	842	0.251029388
Pseudonocardiaceae_Saccharopolyspo	843	0.25256878
Euzebiaceae_unclassified	844	0.25256878
Streptosporangiaceae_Streptosporan	845	0.25256878
Syntrophobacteraceae_Desulfacinum	846	0.25256878
Rhodobacteraceae_Marinovum	847	0.25256878
Alteromonadaceae_Aestuariibacter	848	0.254580677
unclassified_sfW	849	0.254580677
Lachnospiraceae_Butyrivibrio	850	0.256051845
Actinomycetaceae_Varibaculum	851	0.256051845
SJA-28_unclassified	852	0.256051845
unclassified_sfR	853	0.256051845
Chlamydomonadaceae_unclassified	854	0.25724641
Celerinatantimonadaceae_Celerinatan	855	0.25724641
Streptosporangiaceae_Sphaerisporan	856	0.25724641
AEGEAN_185_unclassified	857	0.25724641
Verrucomicrobiaceae_Luteolibacter	858	0.25724641

Pasteurellaceae_Volucribacter	859	0.25897619
Clostridiales Family XIII. Incertae Sedis	860	0.25897619
Fusobacteriaceae_Leptotrichia	861	0.25897619
Saprospiraceae_unclassified	862	0.25897619
Xanthobacteraceae_Xanthobacter	863	0.26055883
Spirochaetaceae_SA-8	864	0.26055883
Planctomycetaceae_Pirellula	865	0.26193409
Flavobacteriaceae_Psychroserpens	866	0.26193409
ZA3409c_unclassified	867	0.262511599
Leptospiraceae_Leptospira	868	0.262511599
Intrasporangiaceae_Terracoccus	869	0.264672955
Comamonadaceae_Pelomonas	870	0.266201421
Nocardioidaceae_Pimelobacter	871	0.26816451
Comamonadaceae_Aquamonas	872	0.269529074
Micrococcaceae_Nesterenkonia	873	0.269529074
Phormidiaceae_Hydrocoleum	874	0.269529074
Anaerolinaceae_BPC110	875	0.269529074
Rhodobacteraceae_Dinoroseobacter	876	0.269529074
Rhodobacteraceae_Ketogulonicigeniu	877	0.271166549
Flexibacteraceae_Microscilla	878	0.271166549
Gomontiellaceae_unclassified	879	0.272850717
Pasteurellaceae_Bibersteinia	880	0.272850717
Propionibacteriaceae_Aestuariimicrob	881	0.272850717
Nostocaceae_Gloeotrichia	882	0.274805508
Pasteurellaceae_Gallibacterium	883	0.276134538
Actinosynnemataceae_Kibdelosporan	884	0.276134538
Nocardioidaceae_Marmoricola	885	0.276134538
Bacillaceae_Salimicrobium	886	0.276134538
Thermotogaceae_Kosmotoga	887	0.276134538
Kiloniellaceae_Kiloniella	888	0.276134538
Pseudanabaenaceae_Pseudanabaena	889	0.277893743
Rhodobiaceae_Afifella	890	0.277893743
Clostridiales Family XI. Incertae Sedis_	891	0.277893743
Lachnospiraceae_Lachnospira	892	0.279190454
Sanguibacteraceae_unclassified	893	0.279190454
Desulfobulbaceae_Desulforhopalus	894	0.279190454
Anaerolinaceae_C1_B004	895	0.279190454
Porphyromonadaceae_Candidatus Az	896	0.282970048
Sulfobacillaceae_YNPFFP6	897	0.282970048
Rivulariaceae_Rivularia	898	0.282970048
Thermaceae_unclassified	899	0.282970048

Flavobacteriaceae_Muricauda	900	0.282970048
Thermoactinomycetaceae_Planifilum	901	0.284248317
unclassified_sfU	902	0.284248317
Methylophilaceae_Methylovorus	903	0.284248317
Ruminococcaceae_Ethanoligenens	904	0.284248317
Verrucomicrobiaceae_Prosthecobacte	905	0.284248317
Erysipelotrichaceae_p-75-a5	906	0.285766625
Parachlamydiaceae_Candidatus Proto	907	0.285857633
Phormidiaceae_Symploca	908	0.285857633
Aquificaceae_Thermocrinis	909	0.285857633
Ruminococcaceae_Anaerofilum	910	0.287136604
Actinomycetaceae_Arcanobacterium	911	0.287136604
Microbacteriaceae_Curtobacterium	912	0.287136604
Iamiaceae_unclassified	913	0.287136604
Enterococcaceae_Vagococcus	914	0.287136604
Bacillaceae_Thalassobacillus	915	0.287136604
unclassified_sfAH	916	0.287136604
Anaerolinaceae_DRC31	917	0.287136604
Flavobacteriaceae_Sejongia	918	0.287136604
Flavobacteriaceae_Capnocytophaga	919	0.287136604
Burkholderiaceae_Polynucleobacter	920	0.288619348
Lachnospiraceae_Shuttleworthia	921	0.288619348
Parachlamydiaceae_Parachlamydia	922	0.288619348
Hyphomonadaceae_Maricaulis	923	0.288619348
Sphingomonadaceae_Blastomonas	924	0.288619348
Thiohalorhabdaceae_Thiohalorhabdu	925	0.290179306
Acetobacteraceae_Gluconobacter	926	0.290179306
Eubacteriaceae_Anaerofustis	927	0.290179306
Spirochaetaceae_unclassified	928	0.290179306
Anaerobrancaceae_Dethiobacter	929	0.291940066
Leptospiraceae_SJA-88	930	0.291940066
Intrasporangiaceae_Knoellia	931	0.293900458
Coriobacteriaceae_Olsenella	932	0.293900458
Anaerobaculaceae_Anaerobaculum	933	0.293900458
Carnobacteriaceae_Desemzia	934	0.293900458
Oxalobacteraceae_Herminiimonas	935	0.295936177
Lachnospiraceae_Lachnobacterium	936	0.295936177
Natranaerobiaceae_unclassified	937	0.295936177
Bifidobacteriaceae_Scardovia	938	0.297767778
Methylomirabiliaceae_Candidatus Me	939	0.297767778
Flavobacteriaceae_Gramella	940	0.297767778

Halanaerobiaceae_unclassified	941	0.299488815
Peptostreptococcaceae_Filifactor	942	0.299488815
Oxalobacteraceae_Janthinobacterium	943	0.301130815
Fusobacteriaceae_Fusobacterium	944	0.301130815
Flammeovirgaceae_Candidatus Cardir	945	0.302669144
Peptostreptococcaceae_Peptostrepto	946	0.302879069
unclassified_sfAS	947	0.302879069
Acaryochloridaceae_Acaryochloris	948	0.302879069
Rhodobacteraceae_Rhodovulum	949	0.302879069
Flammeovirgaceae_Fulvivirga	950	0.302879069
Promicromonosporaceae_Isoptericola	951	0.304948823
Micromonosporaceae_Catellatospora	952	0.304948823
Coriobacteriaceae_unclassified	953	0.304948823
Synergistaceae_Synergistes	954	0.304948823
Marinilabiaceae_unclassified	955	0.304948823
Comamonadaceae_Verminephrobacte	956	0.306815654
Rhodocyclaceae_Aromatoleum	957	0.306815654
Lachnospiraceae_Pseudobutyrivibrio	958	0.306815654
Intrasporangiaceae_Tetrasphaera	959	0.306815654
Listeriaceae_Brochothrix	960	0.306815654
Coriobacteriaceae_Collinsella	961	0.306815654
Anaerolinaceae_SB-34	962	0.306815654
Thermaceae_Meiothermus	963	0.310350356
Comamonadaceae_Curvibacter	964	0.310680632
5B-12_unclassified	965	0.310680632
Xanthomonadaceae_Luteibacter	966	0.311941988
Actinomycetaceae_unclassified	967	0.311941988
Chrysiogenaceae_Desulfurispirillum	968	0.311941988
Erythrobacteraceae_Citromicrobium	969	0.311941988
Leuconostocaceae_Weissella	970	0.311941988
Paenibacillaceae_Aneurinibacillus	971	0.313708001
Porphyromonadaceae_Porphyromona	972	0.313708001
Alcaligenaceae_Oligella	973	0.315365083
Planococcaceae_Planococcus	974	0.315365083
Erysipelotrichaceae_L7A_E11	975	0.315365083
Cardiobacteriaceae_Cardiobacterium	976	0.316853338
Alcaligenaceae_Denitrobacter	977	0.316853338
Comamonadaceae_Alicycliphilus	978	0.316853338
Methylocystaceae_Methylopila	979	0.316853338
Coriobacteriaceae_Atopobium	980	0.318315912
Planococcaceae_Kurthia	981	0.319053641

Flavobacteriaceae_Kaistella	982	0.319053641
Thermobaculaceae_Thermobaculum	983	0.32093226
Rhodobacteraceae_Methylarcula	984	0.32093226
Ectothiorhodospiraceae_Alkalispirillur	985	0.322853528
Propionibacteriaceae_Microlunatus	986	0.322853528
Clostridiales Family XII. Incertae Sedis_	987	0.322853528
Rhodospirillaceae_Nisaea	988	0.324878298
Neisseriaceae_Chromobacterium	989	0.324878298
Desulfobacteraceae_Desulfotignum	990	0.324878298
Aerococcaceae_Aerococcus	991	0.324878298
HTCC2089_unclassified	992	0.326915508
Fischerellaceae_Fischerella	993	0.326915508
Rhodospirillaceae_Rhodocista	994	0.326915508
Beijerinckiaceae_Beijerinckia	995	0.326915508
vadinHA31_unclassified	996	0.326915508
Peptococcaceae_Peptococcus	997	0.328873688
Anaerolinaceae_S0208	998	0.328873688
Hydrogenophilaceae_Hydrogenophilu	999	0.330420924
Thermicanaceae_unclassified	1000	0.330420924
Thermoanaerobacteraceae_Moorella	1001	0.330420924
Desulfohalobiaceae_Desulfonatronosp	1002	0.330420924
Anaerolinaceae_SHD-231	1003	0.330420924
Methylobacteriaceae_unclassified	1004	0.330420924
Flavobacteriaceae_Polaribacter	1005	0.331921731
Actinosynnemataceae_Lentzea	1006	0.333917135
Deferribacteraceae_E4	1007	0.333917135
Rhodospirillaceae_Rhodospirillum	1008	0.335550935
Xenococcaceae_Xenococcus	1009	0.336014329
Enterobacteriaceae_Ewingella	1010	0.33773328
Flavobacteriaceae_Wautersiella	1011	0.33773328
FW_GOUTA7	1012	0.339974454
Bradyrhizobiaceae_Blastobacter	1013	0.339974454
Thermoanaerobacteraceae_unclassifie	1014	0.34183732
Vibrionaceae_Grimontia	1015	0.343771991
Heliobacteriaceae_Heliobacterium	1016	0.345658662
Pasteurellaceae_Nicoletella	1017	0.345658662
Planococcaceae_Viridibacillus	1018	0.345658662
Xanthobacteraceae_Labrys	1019	0.345658662
TIBD11_unclassified	1020	0.347050362
Comamonadaceae_Roseateles	1021	0.348634331
Alcaligenaceae_Taylorella	1022	0.348634331

Methylophilaceae_Methylobacillus	1023	0.348634331
Streptosporangiaceae_Microbispora	1024	0.348634331
Polyangiaceae_Chondromyces	1025	0.348634331
Acetobacteraceae_Acidocella	1026	0.35017261
Burkholderiaceae_Lautropia	1027	0.351664913
Burkholderiaceae_Candidatus Glomer	1028	0.351664913
Peptococcaceae_Desulfosporosinus	1029	0.351664913
Flexibacteraceae_Runella	1030	0.351664913
Caldilineaceae_A31	1031	0.353406006
Ruminococcaceae_Anaerotruncus	1032	0.353406006
Syntrophomonadaceae_Syntrophomo	1033	0.353406006
Erysipelotrichaceae_Pei061	1034	0.353406006
Carnobacteriaceae_A.otid_group	1035	0.355335275
Coriobacteriaceae_Adlercreutzia	1036	0.357305065
A714017_unclassified	1037	0.357305065
Elusimicrobiaceae_unclassified	1038	0.357305065
Erysipelotrichaceae_CM970	1039	0.357305065
Methanosarcinaceae_unclassified	1040	0.357305065
Cardiobacteriaceae_Dichelobacter	1041	0.360956558
YAB3B13_unclassified	1042	0.362464042
Alteromonadaceae_ZD0117	1043	0.362464042
Xenococcaceae_unclassified	1044	0.362464042
Nostocaceae_Anabaena	1045	0.362464042
Rhodospirillaceae_Rhodovibrio	1046	0.362464042
Flavobacteriaceae_Algibacter	1047	0.362464042
Isosphaeraceae_Isosphaera	1048	0.364391674
Entotheonellaceae_Candidatus Entotl	1049	0.366504521
Helicobacteraceae_Flexispira	1050	0.366504521
Clostridiaceae_Tindallia	1051	0.368192695
Planococcaceae_Paenisporosarcina	1052	0.369979275
Piscirickettsiaceae_Thioalkalimicrobiu	1053	0.371979703
Cryptosporangiaceae_Cryptosporangi	1054	0.371979703
Desulfitobacteraceae_Desulfitobacter	1055	0.371979703
Nocardioidaceae_Kribbella	1056	0.373500045
Veillonellaceae_Thermosinus	1057	0.373500045
Phormidiaceae_Z4MB24	1058	0.373500045
Flavobacteriaceae_Robiginitalea	1059	0.373500045
Phyllobacteriaceae_Chelativorans	1060	0.375090398
wb1_P06_unclassified	1061	0.375090398
Thermodesulfobacteriaceae_unclassif	1062	0.375090398
Acetobacteraceae_Acetobacter	1063	0.375090398

Rhizobiaceae_Shinella	1064	0.375090398
Lachnospiraceae_Dorea	1065	0.376836209
unclassified_sfAT	1066	0.376836209
Nautiliaceae_Nautilia	1067	0.376836209
Chlorobiaceae_Prosthecochloris	1068	0.376836209
Veillonellaceae_Mitsuokella	1069	0.378707623
Porphyromonadaceae_Paludibacter	1070	0.378707623
Flavobacteriaceae_Aequorivita	1071	0.380847154
Clostridiales Family XI. Incertae Sedis_	1072	0.380847154
Leuconostocaceae_Leuconostoc	1073	0.380847154
Flexibacteraceae_Adhaeribacter	1074	0.382596219
Turicibacteraceae_unclassified	1075	0.382968142
Desulfurellaceae_Desulfurella	1076	0.385127638
Aeromonadaceae_unclassified	1077	0.385127638
Ruminococcaceae_Acetivibrio	1078	0.385127638
Gemellaceae_Gemella	1079	0.385127638
ML1228J-1_unclassified	1080	0.385127638
Hydrogenothermaceae_Sulfurihydrog	1081	0.385127638
Hyphomonadaceae_Hirschia	1082	0.385127638
Peptococcaceae_Dehalobacter	1083	0.387097275
Sphaerobacterineae_HN1-15	1084	0.388877322
Procabacteriaceae_Procabacter	1085	0.388877322
Micrococcaceae_Citricoccus	1086	0.390867349
Erysipelotrichaceae_Erysipelothrix	1087	0.390867349
Nocardiopsaceae_Streptomonospora	1088	0.392952646
Desulfurobacteriaceae_unclassified	1089	0.392952646
Clostridiales Family XI. Incertae Sedis_	1090	0.392952646
Anaerobrancaceae_A55_D21	1091	0.395076226
Nautiliaceae_unclassified	1092	0.395076226
Alteromonadaceae_Umboniibacter	1093	0.396613049
Moritellaceae_unclassified	1094	0.396613049
Veillonellaceae_Acidaminococcus	1095	0.396613049
Synergistaceae_Candidatus Tammella	1096	0.396613049
Flavobacteriaceae_Riemerella	1097	0.396613049
Clostridiales Family XIII. Incertae Sedis	1098	0.396613049
Chromatiaceae_Nitrosococcus	1099	0.398359685
Microbacteriaceae_Agreia	1100	0.398359685
Hyphomonadaceae_Oceanicaulis	1101	0.398359685
Procabacteriaceae_unclassified	1102	0.402505003
Isosphaeraceae_unclassified	1103	0.402505003
Parvularculaceae_Parvularcula	1104	0.402505003

Alteromonadaceae_Simidua	1105	0.404028013
Lachnospiraceae_Moryella	1106	0.404028013
Carnobacteriaceae_Marinilactibacillus	1107	0.404028013
Cyclobacteriaceae_Aquiflexum	1108	0.404028013
Alcaligenaceae_Sutterella	1109	0.405899699
Enterococcaceae_Tetragenococcus	1110	0.405899699
Pasteuriaceae_Pasteuria	1111	0.405899699
Peptococcaceae_Thermincola	1112	0.405899699
Comamonadaceae_Malikia	1113	0.407836942
Halanaerobiaceae_Halothermothrix	1114	0.409755993
Iamiaceae_Iamia	1115	0.409755993
Rhodocyclaceae_Azonexus	1116	0.411768199
Chloroflexaceae_Chloroflexus	22-Jan	0.411768199
WD294_unclassified	1118	0.411768199
Euzebiaceae_Euzebia	1119	0.414013405
Chitinophagaceae_Flavisolibacter	1120	0.414013405
Anaerolinaceae_SJA-101	1121	0.416155455
Entomoplasmataceae_Entomoplasma	1122	0.416155455
Endoecteinascidiaceae_unclassified	1123	0.418138738
Flavobacteriaceae_Krokinobacter	1124	0.418138738
Enterobacteriaceae_Rahnella	1125	0.420075232
Phormidiaceae_Geitlerinema	1126	0.420075232
Phyllobacteriaceae_Parvibaculum	1127	0.422132315
Microbacteriaceae_Salinibacterium	1128	0.426041512
Synergistaceae_Thermanaerovibrio	1129	0.426041512
Balneolaceae_Balneola	1130	0.426133646
Coriobacteriaceae_Coriobacterium	1131	0.428744883
Xanthobacteraceae_Azorhizobium	1132	0.428744883
Porphyromonadaceae_Tannerella	1133	0.428744883
Cyclobacteriaceae_Cyclobacterium	1134	0.428744883
Veillonellaceae_Desulfosporomusa	1135	0.430502578
Rhizobiaceae_Mycoplana	1136	0.430502578
SHA-4_Zplanct13	1137	0.430502578
Caulobacteraceae_Asticcacaulis	1138	0.432796717
Erysipelotrichaceae_EMP_E11	1139	0.434433664
Phycisphaeraceae_unclassified	1140	0.436993225
Desulfovibrionaceae_Bilophila	1141	0.439090033
ML635J-28_unclassified	1142	0.439090033
Rhodobacteraceae_Thalassobacter	1143	0.440697086
Piscirickettsiaceae_Cycloclasticus	1144	0.440697086
Neisseriaceae_Simonsiella	1145	0.440697086

Rhodocyclaceae_Azospira	1146	0.440697086
Ectothiorhodospiraceae_DSM_5130	1147	0.442424378
Dethiosulfovibrionaceae_HA73	1148	0.442424378
Kueneniaceae_Candidatus Brocadia	1149	0.444463212
Rhodobacteraceae_Pseudovibrio	1150	0.444463212
Lachnospiraceae_Oribacterium	1151	0.446455128
Carnobacteriaceae_Granulicatella	1152	0.446455128
Symbiobacteriaceae_Symbiobacteriur	1153	0.446455128
unclassified_sfAE	1154	0.446455128
Rs-045_unclassified	1155	0.446455128
_unclassified	1156	0.448263061
Desulfohalobiaceae_Desulfonauticus	1157	0.448263061
unclassified_sfZ	1158	0.450545183
Burkholderiaceae_Chitinimonas	1159	0.450545183
Sphaerotilaceae_Sphaerotilus	1160	0.452341736
Bacillaceae_Anoxybacillus	1161	0.452341736
Thermoactinomycetaceae_Thermoact	1162	0.452341736
Armatimonadaceae_Armatimonas	1163	0.452341736
Acetobacteraceae_Acidiphilium	1164	0.452341736
Sulfobacillaceae_Thermaerobacter	1165	0.45414687
Bradyrhizobiaceae_Balneimonas	1166	0.45414687
Entomoplasmataceae_Mesoplasma	1167	0.45414687
unclassified_sfY	1168	0.456423794
Lachnospiraceae_Anaerostipes	1169	0.458598838
Armatimonadaceae_unclassified	1170	0.458598838
Fibrobacteraceae_Fibrobacteres-2	1171	0.458598838
BSV26/SM1H02_unclassified	1172	0.458598838
Pseudanabaenaceae_Halomicronema	1173	0.460644814
Acetobacteraceae_Roseococcus	1174	0.462997943
Alcaligenaceae_Pelistega	1175	0.46462292
Veillonellaceae_Phascolarctobacteriur	1176	0.46462292
Thermotogaceae_Thermosipho	1177	0.46462292
Lactobacillaceae_unclassified	1178	0.46462292
Dethiosulfovibrionaceae_Pyramidoba	1179	0.466935521
Sinobacteraceae_Hydrocarboniphaga	1180	0.468956097
Acidobacteriaceae_Edaphobacter	1181	0.468956097
Erysipelotrichaceae_Turicibacter	1182	0.470793972
Planococcaceae_Marinibacillus	1183	0.470793972
Spirochaetaceae_IF058	1184	0.470793972
Cystobacteraceae_unclassified	1185	0.474978915
Staphylococcaceae_unclassified	1186	0.479406713

Bacillaceae_Terribacillus	1187	0.479406713
5bav_B4_unclassified	1188	0.480983207
unclassified_sfAI	1189	0.480983207
Anaplasmataceae_Ehrlichia	1190	0.480983207
Comamonadaceae_Variovorax	1191	0.482890563
Rhodobacteraceae_Labrenzia	1192	0.485073432
Colwelliaceae_unclassified	1193	0.486940456
Solirubrobacteraceae_Solirubrobacter	1194	0.486940456
BSV43_unclassified	1195	0.486940456
Alteromonadaceae_Marinimicrobium	1196	0.493517503
Enterobacteriaceae_Cedecea	1197	0.493517503
Oxalobacteraceae_Collimonas	1198	0.493517503
Anaerolinaceae_envOPS12	1199	0.493517503
unclassified_sfAO	1200	0.493517503
Saprospiraceae_Aureispira	1201	0.493517503
Cystobacteraceae_Archangium	1202	0.495570123
Anaerolinaceae_Levilinea	1203	0.495570123
Actinopolysporaceae_Actinopolyspora	1204	0.497361937
Dehalococcoidaceae_Dehalococcoides	1205	0.497361937
Rhodobacteraceae_Pelagibaca	1206	0.497361937
Halobacteriaceae_Halorubrum	1207	0.497361937
LD19_unclassified	1208	0.499640234
F16_unclassified	1209	0.499640234
Sporolactobacillaceae_unclassified	1210	0.501630847
Chthonomonadaceae_Chthonomonas	1211	0.501630847
Cystobacteraceae_Stigmatella	1212	0.501630847
Xanthomonadaceae_Luteimonas	1213	0.503494531
Anaerolinaceae_WCHB1-05	1214	0.503494531
Flavobacteriaceae_Zhouia	1215	0.503494531
Comamonadaceae_Schlegelella	1216	0.505311328
Nocardiopsaceae_Thermobifida	1217	0.5100762
Patulibacteraceae_Patulibacter	1218	0.5100762
Aminiphilaceae_Aminiphilus	1219	0.511777086
Flavobacteriaceae_Eudoraea	1220	0.511777086
Lachnospiraceae_Epulopiscium	1221	0.514304673
Natranaerobiaceae_Natranaerobius	1222	0.514304673
Brucellaceae_Brucella	1223	0.514304673
Chromatiaceae_Chromatium	1224	0.516387108
Clostridiales Family XIII. Incertae Sedis	1225	0.518501091
Bacillaceae_Alkalibacillus	1226	0.520435258
Flavobacteriaceae_Aquimarina	1227	0.520435258

Ectothiorhodospiraceae_Arhodomona	1228	0.524635847
Nitrosomonadaceae_Nitrosovibrio	1229	0.524635847
Erysipelotrichaceae_DSM_3991	1230	0.524635847
Micromonosporaceae_Luedemannella	1231	0.526585385
Sporolactobacillaceae_Pullulanibacillu	1232	0.526585385
DMPU-92_unclassified	1233	0.526585385
Cellulomonadaceae_Tropheryma	1234	0.52848754
Cyanobacteriaceae_Cyanobacterium	1235	0.52848754
Beijerinckiaceae_Methylocella	1236	0.52848754
Mamiellaceae_unclassified	1237	0.5302639
Lachnospiraceae_Bryantella	1238	0.53238593
Anaerolinaceae_WCHB1-50	1239	0.53238593
Methylocystaceae_Methylocystis	1240	0.53238593
SHA-4_W22	1241	0.53238593
Fusobacteriaceae_Sebaldella	1242	0.53238593
Opitutaceae_Opitutus	1243	0.534345955
Dermacoccaceae_Kytococcus	1244	0.534355463
Microbacteriaceae_Yonghaparkia	1245	0.534355463
Thermomonosporaceae_Actinoallomu	1246	0.534355463
Thermotogaceae_Geotoga	1247	0.534355463
Flavobacteriaceae_ALC-1	1248	0.534355463
Oceanospirillaceae_Nitrincola	1249	0.538934771
Pasteurellaceae_Basfia	1250	0.538934771
Spirochaetaceae_P30-6	1251	0.541282613
Desulfobulbaceae_Desulfobulbus	1252	0.548793745
Bacillaceae_Marinococcus	1253	0.550776181
Erythrobacteraceae_Porphyrobacter	1254	0.55081685
Sulciaceae_Candidatus Sulcia	1255	0.55284397
Erysipelotrichaceae_BHSD	1256	0.55284397
Fusobacteriaceae_Cetobacterium	1257	0.55284397
Methanopyraceae_Methanopyrus	1258	0.554718721
Enterococcaceae_Melissococcus	1259	0.557248455
Microbacteriaceae_Cryobacterium	1260	0.559781722
Thermotogaceae_S1	1261	0.559781722
Thermoanaerobacteraceae_Thermace	1262	0.561979339
Aquificaceae_Hydrogenivirga	1263	0.561979339
Erysipelotrichaceae_hoa11_90B12	1264	0.561979339
Flexibacteraceae_Emticicia	1265	0.564206156
Dermabacteraceae_unclassified	1266	0.568747376
Clostridiales Family XI. Incertae Sedis_	1267	0.568747376
Planococcaceae_Ureibacillus	1268	0.571530072

Neisseriaceae_Deefgea	1269	0.573794868
Rhodospirillaceae_Roseospira	1270	0.573794868
Acetobacteraceae_Acidisoma	1271	0.580818827
Methanolineaceae_Methanolinea	1272	0.580891684
Fusobacteriaceae_J2-29	1273	0.583401283
Actinopolysporaceae_unclassified	1274	0.585340562
Phormidiaceae_Arthrospira	1275	0.587698708
Rhodobacteraceae_Antarctobacter	1276	0.587698708
Chrysiogenaceae_unclassified	1277	0.590111099
Aquificaceae_unclassified	1278	0.590111099
Chamaesiphonaceae_Chamaesiphon	1279	0.592812024
Rhodothermaceae_Rhodothermus	1280	0.594843829
Nostocaceae_Aphanizomenon	1281	0.595384958
Actinospicaceae_unclassified	1282	0.597777517
Burkholderiaceae_Candidatus Trembl	1283	0.602203753
Fusobacteriaceae_unclassified	1284	0.609517607
Carnobacteriaceae_Alloiococcus	1285	0.610367552
Anaerobaculaceae_unclassified	1286	0.610367552
Aerococcaceae_Abiotrophia	1287	0.612770413
Micrococcaceae_Renibacterium	1288	0.615462038
Lachnospiraceae_Johnsonella	1289	0.618469258
Bacillaceae_Piscibacillus	1290	0.620771429
Synergistaceae_Cloacibacillus	1291	0.623677172
Leptotrichaceae_Leptothrix	1292	0.630828512
Rhodospirillaceae_Telmatospirillum	1293	0.630828512
Anaerolinaceae_H39	1294	0.633686323
Erysipelotrichaceae_MLG480	1295	0.633686323
Pseudanabaenaceae_Arthronema	1296	0.641398524
unclassified_sfAK	1297	0.641398524
Cyanobacteriaceae_4041AA30	1298	0.646727159
Spirulinaceae_Spirulina	1299	0.651004976
Spartobacteriaceae_Chthoniobacter	1300	0.65311936
Microbacteriaceae_Candidatus Rhodc	1301	0.653656887
Rhodobacteraceae_Oceanicola	1302	0.653656887
Cyclobacteriaceae_Echinicola	1303	0.653656887
Thermoanaerobacteraceae_Caldanaer	1304	0.664055253
TK06_unclassified	1305	0.666812902
Chthonomonadaceae_unclassified	1306	0.68089111
Nostocaceae_Sphaerospermopsis	1307	0.68089111
Spirochaetaceae_KSA2	1308	0.683753875
Bifidobacteriaceae_Parascardovia	1309	0.686297168

Desulfovibrionaceae_unclassified	1310	0.686297168
Paucibacteraceae_Paucibacter	1311	0.688759863
Desulfitobacteraceae_unclassified	1312	0.688759863
Helicobacteraceae_Wolinella	1313	0.688759863
Anaerolinaceae_SHA-20	1314	0.69696666
Caulobacteraceae_Mycoplana	1315	0.699584754
Veillonellaceae_Propionispora	1316	0.702041538
Leuconostocaceae_Fructobacillus	1317	0.702041538
Rhodobacteraceae_Haematobacter	1318	0.704923942
Planctomycetaceae_Blastopirellula	1319	0.710230657
Sporichthyaceae_Sporichthya	1320	0.715638415
Alcaligenaceae_Pigmentiphaga	1321	0.718674915
Ruminococcaceae_Bacteroides	1322	0.718674915
Veillonellaceae_Megamonas	1323	0.718674915
Micrococcaceae_Zhihengliuella	1324	0.724287832
Veillonellaceae_Sporotalea	1325	0.727105081
Verrucomicrobiaceae_Rubritalea	1326	0.729624452
Intrasporangiaceae_Ornithinicoccus	1327	0.732653259
Leptospiraceae_unclassified	1328	0.738220301
unclassified_sfAC	1329	0.743832333
Leuconostocaceae_Oenococcus	1330	0.75451173
Rickettsiaceae_unclassified	1331	0.75451173
Microcystaceae_unclassified	1332	0.772256937
Lachnospiraceae_Bacteroides	1333	0.775113618
Peptostreptococcaceae_Tepidibacter	1334	0.780515577
Trebouxiophyceae_unclassified	1335	0.783526955
Nannocystaceae_unclassified	1336	0.789430183
Dictyoglomaceae_Dictyoglomus	1337	0.789430183
Fusobacteriaceae_Sneathia	1338	0.789430183
Thermoactinomycetaceae_Laceyella	1339	0.792569992
Simkaniaceae_unclassified	1340	0.792569992
Promicromonosporaceae_unclassified	1341	0.795734541
Bifidobacteriaceae_Alloscardovia	1342	0.798259521
Sanguibacteraceae_Sanguibacter	1343	0.801029353
Hyphomicrobiaceae_Rhodomicrobium	1344	0.801029353
Shewanellaceae_unclassified	1345	0.803351984
Fusobacteriaceae_u114	1346	0.803351984
Cryptosporangiaceae_unclassified	1347	0.808366031
Thermodesulfovibrionaceae_HB118	1348	0.811317755
Phyllobacteriaceae_Defluvibacter	1349	0.81803171
Victivallaceae_Victivallis	1350	0.829240383

Halobacteriaceae_Haloferax	1351	0.831904541
Ectothiorhodospiraceae_Methylonatr	1352	0.840034156
Rhabdochlamydiaceae_Candidatus Rh	1353	0.842149412
Intrasporangiaceae_Serinicoccus	1354	0.842986019
Vibrionaceae_Salinivibrio	1355	0.845961056
unclassified_sfAL	1356	0.848621608
Fusobacteriaceae_Streptobacillus	1357	0.851783369
Porphyromonadaceae_Odoribacter	1358	0.857104769
Propionibacteriaceae_Luteococcus	1359	0.859601354
Microbacteriaceae_Frigoribacterium	1360	0.859601354
Ectothiorhodospiraceae_Thiorhodosp	1361	0.881558483
Turicibacteraceae_Turicibacter	1362	0.881558483
Comamonadaceae_Caldimonas	1363	0.88394082
Nitrospiraceae_unclassified	1364	0.886685879
Bacillaceae_Anaerobacillus	1365	0.889538257
Symbiobacteriaceae_unclassified	1366	0.889538257
Rhodospirillaceae_Tistrella	1367	0.895137881
Rhodobacteraceae_Leisingera	1368	0.895137881
Xanthobacteraceae_unclassified	1369	0.897627964
Flavobacteriaceae_Leeuwenhoekiella	1370	0.900310617
Desulfobacteraceae_Desulfofaba	1371	0.922804894
Mitsuriaceae_Mitsuaria	1372	0.925738917
Acidobacteriaceae_Terriglobus	1373	0.94487952
Rhodobacteraceae_Shimia	1374	0.949824833
Microbacteriaceae_Plantibacter	1375	0.961351765
Veillonellaceae_Anaerospora	1376	0.961351765
Rhodobacteraceae_Nautella	1377	0.961351765
unclassified_sfAN	1378	0.961351765
Microbacteriaceae_Mycetocola	1379	0.964116374
Flavobacteriaceae_Zobellia	1380	0.981611479
Clostridiales Family XI. Incertae Sedis_	1381	0.981611479
Bacillaceae_Natronobacillus	1382	0.986664923
Ruminococcaceae_Subdoligranulum	1383	0.99371105
Neisseriaceae_Vitreoscilla	1384	1
Bifidobacteriaceae_Gardnerella	1385	1

Phylum	Class	Family	Genus
Proteobacteria	Gammaproteobacteria	Pseudomonadaceae	Pseudomonas
Proteobacteria	Gammaproteobacteria	Xanthomonadaceae	Xanthomonas
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Flavobacterium
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Gramella
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Zobellia
Actinobacteria	Actinobacteria	Micromonosporaceae	Actinoplanes
Thermi	Deinococci	Deinococcaceae	Deinococcus
Thermi	Deinococci	Thermaceae	Meiothermus
Proteobacteria	Gammaproteobacteria	Shewanellaceae	Shewanella
Proteobacteria	Deltaproteobacteria	Myxococcaceae	Myxococcus
Proteobacteria	Betaproteobacteria	Comamonadaceae	Acidovorax
Proteobacteria	Alphaproteobacteria	Erythrobacteraceae	Erythrobacter
Proteobacteria	Betaproteobacteria	Thiomonaceae	Thiomonas
Proteobacteria	Gammaproteobacteria	Xanthomonadaceae	Stenotrophomonas
Proteobacteria	Gammaproteobacteria	Alcanivoracaceae	Kangiella
Proteobacteria	Betaproteobacteria	Alcaligenaceae	Achromobacter
Proteobacteria	Betaproteobacteria	Comamonadaceae	Polaromonas
Proteobacteria	Betaproteobacteria	Burkholderiaceae	Burkholderia
Proteobacteria	Betaproteobacteria	Alcaligenaceae	Bordetella
Proteobacteria	Betaproteobacteria	Burkholderiaceae	Cupriavidus
Proteobacteria	Alphaproteobacteria	Rhodospirillaceae	Azospirillum
Proteobacteria	Alphaproteobacteria	Sphingomonadaceae	Sphingopyxis
Proteobacteria	Betaproteobacteria	Burkholderiaceae	Ralstonia
Proteobacteria	Alphaproteobacteria	Hyphomonadaceae	Maricaulis
Proteobacteria	Betaproteobacteria	Oxalobacteraceae	Collimonas
Firmicutes	Bacilli	Bacillaceae	Geobacillus
Firmicutes	Bacilli	Bacillaceae	Bacillus
Firmicutes	Bacilli	Bacillaceae	Halobacillus
Bacteroidetes	Flavobacteria	Cryomorphaceae	Fluviicola
Bacteroidetes	Sphingobacteria	Flexibacteraceae	Cytophaga
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Cellulophaga
Actinobacteria	Actinobacteria	Nocardiaceae	Rhodococcus
Actinobacteria	Actinobacteria	Micromonosporaceae	Micromonospora
Actinobacteria	Actinobacteria	Frankiaceae	Frankia
Actinobacteria	Actinobacteria	Micromonosporaceae	Salinispora
Actinobacteria	Actinobacteria	Nocardioidaceae	Kribbella
Proteobacteria	Gammaproteobacteria	Pseudoalteromonadaceae	Pseudoalteromonas
Proteobacteria	Gammaproteobacteria	Halomonadaceae	Halomonas
Proteobacteria	Betaproteobacteria	Comamonadaceae	Delftia
Proteobacteria	Gammaproteobacteria	Alteromonadaceae	Alteromonas

Proteobacteria	Alphaproteobacteria	Bradyrhizobiaceae	Bradyrhizobium
Proteobacteria	Gammaproteobacteria	Enterobacteriaceae	Serratia
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Rhodobacter
Proteobacteria	Gammaproteobacteria	Alteromonadaceae	Glaciecola
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Ruegeria
Proteobacteria	Deltaproteobacteria	Myxococcaceae	Anaeromyxobacter
Proteobacteria	Deltaproteobacteria	Polyangiaceae	Sorangium
Proteobacteria	Gammaproteobacteria	Francisellaceae	Francisella
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Jannaschia
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Phaeobacter
Proteobacteria	Gammaproteobacteria	Xanthomonadaceae	Pseudoxanthomonas
Proteobacteria	Alphaproteobacteria	Caulobacteraceae	Caulobacter
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Roseobacter
Proteobacteria	Alphaproteobacteria	Rhodospirillaceae	Rhodospirillum
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Pseudovibrio
Proteobacteria	Betaproteobacteria	Comamonadaceae	Variovorax
Firmicutes	Bacilli	Exiguobacteraceae	Exiguobacterium
Cyanobacteria	Nostocophycideae	Nostocaceae	Anabaena
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Muricauda
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Aequorivita
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Krokinobacter
Actinobacteria	Actinobacteria	Micrococcaceae	Arthrobacter
Actinobacteria	Actinobacteria	Nocardioidaceae	Nocardioides
Actinobacteria	Actinobacteria	Kineosporiaceae	Kineococcus
Actinobacteria	Actinobacteria	Nocardiopsaceae	Nocardiopsis
Actinobacteria	Actinobacteria	Actinosynnemataceae	Saccharothrix
Actinobacteria	Actinobacteria	Pseudonocardiaceae	Saccharopolyspora
Actinobacteria	Actinobacteria	Streptosporangiaceae	Streptosporangium
Actinobacteria	Actinobacteria	Propionibacteriaceae	Microlunatus
Actinobacteria	Actinobacteria	Nocardiopsaceae	Thermobifida
Actinobacteria	Actinobacteria	Micrococcaceae	Renibacterium
Proteobacteria	Gammaproteobacteria	Moraxellaceae	Psychrobacter
Proteobacteria	Betaproteobacteria	Comamonadaceae	Comamonas
Proteobacteria	Deltaproteobacteria	Syntrophaceae	Desulfomonile
Proteobacteria	Deltaproteobacteria	Geobacteraceae	Geobacter
Proteobacteria	Gammaproteobacteria	Moraxellaceae	Acinetobacter
Proteobacteria	Gammaproteobacteria	Moraxellaceae	Moraxella
Proteobacteria	Alphaproteobacteria	Rhizobiaceae	Rhizobium
Proteobacteria	Gammaproteobacteria	Legionellaceae	Legionella
Proteobacteria	Alphaproteobacteria	Rhizobiaceae	Agrobacterium
Proteobacteria	Deltaproteobacteria	Myxococcaceae	Corallococcus

Proteobacteria	Deltaproteobacteria	Desulfovibrionaceae	Desulfovibrio
Proteobacteria	Alphaproteobacteria	Sphingomonadaceae	Novosphingobium
Proteobacteria	Betaproteobacteria	Comamonadaceae	Ramlibacter
Proteobacteria	Alphaproteobacteria	Phyllobacteriaceae	Mesorhizobium
Proteobacteria	Alphaproteobacteria	Sphingomonadaceae	Sphingomonas
Proteobacteria	Gammaproteobacteria	Idiomarinaceae	Idiomarina
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Paracoccus
Proteobacteria	Alphaproteobacteria	Caulobacteraceae	Brevundimonas
Proteobacteria	Gammaproteobacteria	Oceanospirillaceae	Marinomonas
Proteobacteria	Deltaproteobacteria	Bdellovibrionaceae	Bdellovibrio
Proteobacteria	Deltaproteobacteria	Haliangiaceae	Haliangium
Proteobacteria	Betaproteobacteria	Rubrivivaceae	Rubrivivax
Proteobacteria	Gammaproteobacteria	Xanthomonadaceae	Frateuria
Proteobacteria	Alphaproteobacteria	Rhodobacteraceae	Dinoroseobacter
Proteobacteria	Betaproteobacteria	Comamonadaceae	Alicycliphilus
Proteobacteria	Alphaproteobacteria	Acetobacteraceae	Acidiphilium
Proteobacteria	Deltaproteobacteria	Cystobacteraceae	Stigmatella
Planctomycetes	Planctomycea	Planctomycetaceae	Rhodopirellula
Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadaceae	Gemmatimonas
Firmicutes	Bacilli	Paenibacillaceae	Paenibacillus
Firmicutes	Clostridia	Clostridiaceae	Alkaliphilus
Firmicutes	Bacilli	Bacillaceae	Oceanobacillus
Firmicutes	Clostridia	Sulfobacillaceae	Sulfobacillus
Firmicutes	Clostridia	Thermoanaerobacteraceae	Thermoanaerobacter
Firmicutes	Bacilli	Planococcaceae	Solibacillus
Firmicutes	Clostridia	Peptococcaceae	Desulfotomaculum
Firmicutes	Bacilli	Paenibacillaceae	Brevibacillus
Firmicutes	Clostridia	Thermoanaerobacterales F	Thermoanaerobacterium
Firmicutes	Clostridia	Caldicellulosiruptoraceae	Caldicellulosiruptor
Firmicutes	Bacilli	Listeriaceae	Listeria
Firmicutes	Clostridia	Thermoanaerobacteraceae	Moorella
Firmicutes	Clostridia	Peptococcaceae	Desulfosporosinus
Cyanobacteria	Nostocophycideae	Nostocaceae	Nostoc
Chloroflexi	Dehalococcoidetes	Dehalogenimonaceae	Dehalogenimonas
Chloroflexi	Caldilineae	Caldilineaceae	Caldilinea
Chloroflexi	Chloroflexi	Chloroflexaceae	Roseiflexus
Chloroflexi	Chloroflexi	Chloroflexaceae	Chloroflexus
Chloroflexi	Dehalococcoidetes	Dehalococcoidaceae	Dehalococcoides
Chlorobi	Chlorobia	Chlorobiaceae	Chlorobium
Chlamydiae	Chlamydiae	Chlamydiaceae	Chlamydophila
Bacteroidetes	Sphingobacteria	Rhodothermaceae	Salinibacter

Bacteroidetes	Sphingobacteria	Chitinophagaceae	Chitinophaga
Bacteroidetes	Sphingobacteria	Chitinophagaceae	Niastella
Bacteroidetes	Sphingobacteria	Sphingobacteriaceae	Pedobacter
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Maribacter
Bacteroidetes	Sphingobacteria	Flexibacteraceae	Runella
Bacteroidetes	Flavobacteria	Flavobacteriaceae	Robiginitalea
Bacteroidetes	Sphingobacteria	Cyclobacteriaceae	Cyclobacterium
Bacteroidetes	Sphingobacteria	Flexibacteraceae	Emticicia
Actinobacteria	Actinobacteria	Gordoniaceae	Gordonia
Actinobacteria	Actinobacteria	Nocardiaceae	Nocardia
Actinobacteria	Actinobacteria	Pseudonocardiaceae	Pseudonocardia
Actinobacteria	Actinobacteria	Microbacteriaceae	Microbacterium
Actinobacteria	Actinobacteria	Pseudonocardiaceae	Amycolatopsis
Actinobacteria	Actinobacteria	Streptomycetaceae	Kitasatospora
Actinobacteria	Actinobacteria	Geodermatophilaceae	Geodermatophilus
Actinobacteria	Actinobacteria	Dermacoccaceae	Kytococcus

EC 1.13.11.11	EC 3.5.1.9	EC 3.7.1.3	EC 1.14.13.9	Total # enzyn	Member of the DMC?
Q02N70	A6V681	P83788	Q84HF5	4	Yes
Q8PQ80	L0SU63	Q8PM33	Q8PM34	4	Yes
H7FMZ6	H7FP80	A5FMM4	A5FMP6	4	No
A0M667	A0LXG3	A0M4Y1	A0M4X2	4	No
G0LAQ8	G0LBT2	G0L1L7	G0L1L4	4	No
G8SM93	G8SCN3	G8SAP7	G8SG07	4	No
Q1J2J8	Q1IY56	Q9RYH5		3	No
D7BBR5	D7BCL0	D3PTT9		3	No
B1KJM2		B1KJM4	B1KJM3	3	Yes
Q1CVR6		Q1DDU5	Q1DDU6	3	No
A1TLA9	A1TLB1	C5T935		3	No
Q2N5X1	Q2N5X0	A3WF04		3	No
D6CPL8	D5WZ57	D6CPL9		3	No
B2FKN7		B2FL97	B2FL98	3	Yes
C7RCG7		C7R815	C7R814	3	No
D4X9R0	D4X9R1	H0FDI9		3	No
A1VRP1	A1VRN9	J3DA05		3	No
B1YVH2	B1YVH0	A3MHE2		3	Yes
Q7WHE8	Q2KXW3	K4TJF7		3	No
Q0K7X7	Q0K7X9	H1SFC5		3	Yes
D3P4C6	G7ZCJ4	D3P4C7		3	No
Q1GTB7	Q1GTB8	Q1GTB9		3	No
Q8Y1D2	P0C8P4	B5SGJ6		3	Yes
Q0APM6	Q0APM5	Q0APM4		3	No
G0AAD3	G0AAD1	G0AAD2		3	No
A4IT59	A4IT60	A4IT57		3	No
A0REX0	A0REX1	A0REX2		3	Yes
I0JSM0	I0JSI0	I0JSH9		3	No
F2IGQ2		F2IFX6	F2IFX7	3	No
Q11V86		Q11PP6	Q11PP7	3	No
E6X6K0		F0RAN9	F0RAN6	3	No
Q0SFS2	E9T2H8	K8XSQ0		3	No
I0LAI5		I0LAI4	I0LAI3	3	No
	Q2J5Q8	G6HH87	G6HH88	3	No
A4XAL3		A4XAL2	A8LVF4	3	No
D2PMM6		D2PN22	D2PN21	3	No
Q15YU8		G7FP56		2	Yes
E1V742		F7SQQ7		2	Yes
	A9BVE1	A9BVE0		2	No
B4RUH2		K7RG88		2	No

Q89MN4		I2Q9S9		2	No
A8GG83	G0BNL3			2	Yes
	D5AMN8	C8RY48		2	No
K6Y1J0		K6X0W8		2	No
Q5LKH2		B7QVW8		2	No
Q2IEC3		Q2IEC4		2	No
A9FU01		A9FPI7		2	No
	I2B041		I2B0L9	2	No
Q28QL1		Q28QL0		2	No
I7EB43		I7DNE7		2	No
		G7UV64	E6WTN0	2	No
Q9A4E8		B0T9J0		2	No
A3X7M8		A3X7N2		2	No
B6IV29		B6IV21		2	No
G8PT98		B6R8Y2		2	No
	E6V3N4	J3CSA3		2	No
B1YHD4		B1YHD6		2	No
	K7W3N4		K9ZCC7	2	No
		G2PLN4	G2PLP2	2	No
	I3YWX4	I3YSL4		2	No
		F4B302	F4B300	2	No
A0JUV5		J7LNY4		2	Yes
A1SG03		A1SM62		2	No
A6W961		A6W962		2	No
D7AZD8		J7KY88		2	No
		K0JQ44	K0K2Q8	2	No
A4FH01		A4F6F4		2	No
		C0LTN1	D2AY01	2	No
F5XJL5		F5XJL3		2	No
Q47RF8		Q47RF7		2	No
A9WT09		A9WSL2		2	No
		F5SRQ3		1	No
		B7WYB6		1	Yes
	I4C5G5			1	No
	H1L8T2			1	No
		J5J2T7		1	Yes
			D5VCF0	1	Yes
		J2IDP6		1	Yes
			A5IG23	1	No
		B9JIL0		1	Yes
		H8MK35		1	No

	G7Q407			1	Yes
F6IMA2				1	Yes
		F5Y555		1	Yes
		G6YHG4		1	No
		A5V430		1	Yes
		A3WJ97		1	Yes
		A1B5B3		1	No
B4WFE0				1	No
		A3Y608		1	Yes
Q6MM37				1	Yes
D0LHK4				1	No
		F3LR44		1	No
		H8L2R5		1	No
		A8LIB8		1	No
	E8TSB9			1	No
	F7S653			1	No
		Q08XL9		1	No
	F2AYD9			1	No
		C1ACU2		1	No
	E0I6X6			1	Yes
		A8MKD2		1	No
		Q8ES86		1	Yes
		G8TVL4		1	No
	F1ZTH0			1	No
		F2F7Y9		1	No
	G6I9E9			1	No
		J2IG91		1	No
n	L0IM11			1	No
	E4S4Z2			1	No
		D7UWX4		1	No
	Q2RG51			1	No
	J7IVV1			1	No
			K9QGL1	1	No
	D8K0N3			1	No
		I0I042		1	No
		A5V1P9		1	No
		A9WK35		1	No
	A5FRI4			1	No
	Q3AP91			1	No
		F4DJH2		1	No
	Q2S2F5			1	No

C7PNU8	1	No
G8TKX7	1	No
A6E8D0	1	Yes
A4ATE6	1	No
F8EAQ7	1	No
A4CPD5	1	No
G0IUP7	1	No
I2EYQ2	1	No
G7GLG2	1	No
K0EZ67	1	No
F4CQ20	1	No
E8NGI0	1	No
G0FN64	1	No
E4NAM8	1	No
D2SCN3	1	No
C7NJH3	1	No

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