

Supplementary material

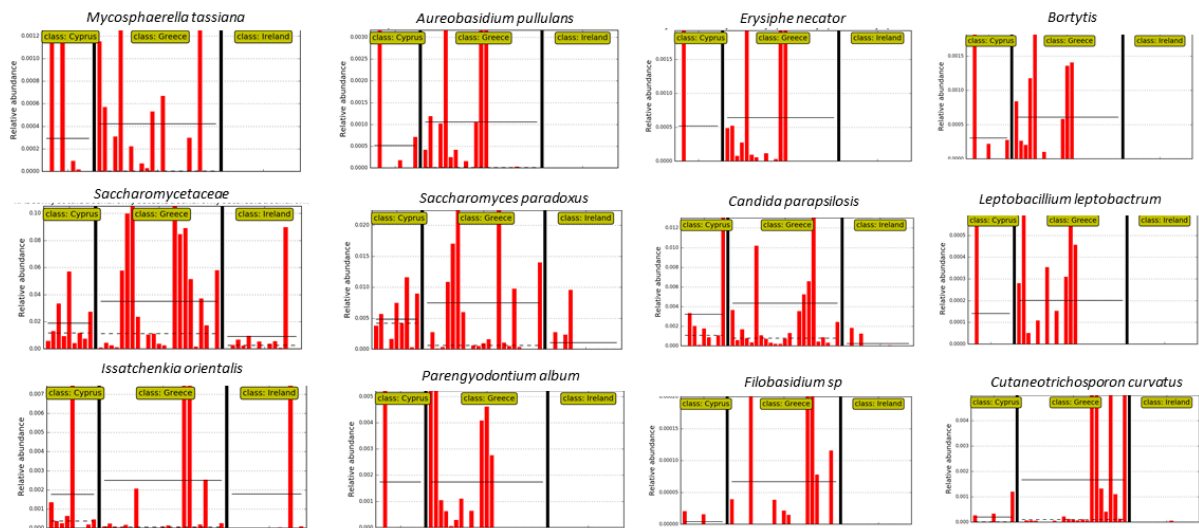


Figure S1. LefSe analyses of taxon abundances of over-represented fungal taxa in Greek, compared to Cypriot and Irish cheeses.

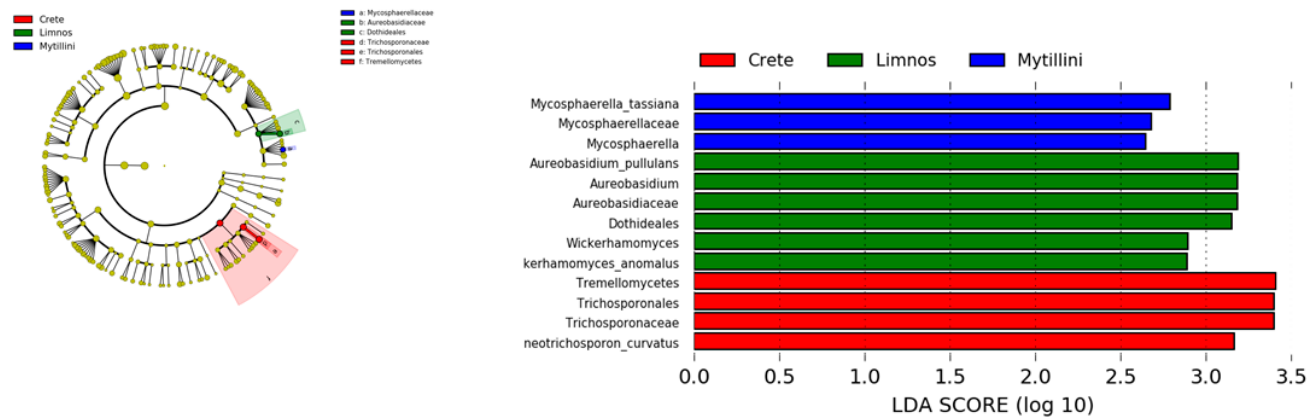


Figure S2. LefSe analyses of taxon abundances of over-represented fungal taxa among the cheeses from the islands Crete, Limnos and Mytilini.

Table S1. Sample information, bacterial alpha diversity indexes and observed OTUs

Sample-id	Reads passing filter	Denoised reads	Shannon	Simpson	Chao	Observed OTUs
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C1	51991	29553	4.31	0.93	64	63
C2	62424	46095	3.42	0.87	55	52
C3	108597	77111	3.33	0.86	78	63
C4	76361	44363	3.02	0.86	30	27
C5	74782	55792	3.34	0.85	69	66
C6	29851	16887	4.32	0.93	47	47
C7	43486	32370	3.45	0.87	52	52
C8	23297	17122	3.24	0.85	29	29
C9	44790	31805	3.86	0.87	74	73
C10	50074	37991	3.73	0.85	76	73
GK1	43447	28490	4.16	0.91	70	68
GK2	55850	36585	3.75	0.90	67	65
GK3	47630	32285	3.61	0.89	61	61
GK4	65437	45591	3.52	0.86	53	51
GK5	43343	33816	3.41	0.85	68	66
GK6	97349	67753	3.89	0.90	115	108
GK7	36522	25853	3.82	0.90	61	60
GK8	38742	26664	4.13	0.91	59	59
GK9	49550	37933	3.67	0.88	64	59
GK10	45827	37532	3.32	0.83	50	48
GL1	29780	23988	3.45	0.86	44	43
GL2	29336	19481	3.92	0.91	37	37
GL3	27562	17696	4.90	0.94	91	91
GM1	60633	35916	3.57	0.89	66	61
GM2	23701	19334	2.94	0.82	38	38
GM3	40157	29423	3.01	0.82	42	41
GM5	23933	17075	4.34	0.90	82	82
GM6	51336	33243	4.95	0.94	108	105
GM7	47344	31103	4.67	0.93	95	95
GM8	77733	56484	3.94	0.90	91	90
GM9	29208	21064	4.26	0.90	67	67
GM10	85580	64027	3.59	0.87	98	86
I1	25170	15637	4.03	0.92	38	38
I2	29384	17097	3.84	0.89	44	44
I3	26207	16946	4.34	0.94	38	38
I4	50152	33743	4.08	0.91	50	50
I5	63074	47793	2.37	0.78	25	24
I6	87038	63723	3.04	0.83	59	54
I7	61299	39954	3.75	0.87	95	92
I8	34731	24327	3.40	0.87	38	38
I9	28617	22715	2.48	0.78	34	33

I10	82182	55786	3.23	0.86	52	46
I11	92467	68465	2.61	0.80	28	24
I12	130889	82070	3.95	0.92	63	55
I13	81061	55472	3.55	0.86	51	45
I14	171827	125662	3.20	0.84	68	48
I15	31628	24380	2.68	0.78	53	53
I16	31487	15809	3.31	0.86	29	29

Table S2. Sample information, fungal alpha diversity indexes and observed OTUs

Sample-id	Reads passing filter	Denoised reads	Shannon	Simpson	Chao	Observed OTUs
C1	82481	63971	5.14	0.95	146	127
C2	69670	62531	2.65	0.70	181	145
C3	170315	162034	2.04	0.67	176	84
C4	30557	27916	4.49	0.92	96	94
C5	33555	26725	3.88	0.86	89	87
C6	23356	20764	4.71	0.92	89	89
C7	342772	327163	1.11	0.40	80	36
C8	146766	64517	5.66	0.97	165	142
C9	50047	48975	0.67	0.15	41	36
C10	29061	12493	3.86	0.87	48	48
GK1	67572	57274	4.18	0.85	223	175
GK2	76539	68417	2.22	0.61	84	76
GK3	28627	23997	4.04	0.89	90	87
GK4	160856	139602	2.02	0.43	432	256
GK5	71209	56749	4.61	0.93	133	123
GK6	51540	33419	4.53	0.88	101	98
GK7	82024	55020	4.48	0.89	132	109
GK8	173992	150490	2.01	0.69	80	46
GK9	46680	45952	0.57	0.15	21	18
GK10	41190	40597	0.30	0.07	22	21
GL1	50347	34742	3.14	0.63	143	139
GL2	62640	31720	3.55	0.73	114	112
GL3	57448	28619	2.14	0.45	113	106
GM1	44955	38554	3.40	0.77	113	103
GM2	178192	161084	1.52	0.38	173	95
GM3	73773	24773	2.39	0.64	77	75
GM4	29354	21145	2.29	0.66	49	47
GM5	55057	30757	4.68	0.89	242	223

GM6	57115	40176	2.68	0.71	86	81
GM7	82579	70367	0.80	0.16	81	67
GM8	32898	19354	3.18	0.67	124	124
GM9	90335	68752	2.07	0.49	83	76
GM10	28086	24844	0.53	0.12	39	38
I1	565986	242025	3.21	0.86	87	52
I2	183343	161832	0.64	0.21	19	12
I3	269592	214237	0.97	0.27	52	26
I4	355136	337284	0.97	0.33	127	47
I5	318122	218439	3.54	0.86	102	73
I6	36993	30696	2.36	0.59	52	49
I7	32312	26792	2.94	0.68	58	57
I8	27150	24086	2.53	0.60	78	72
I9	245590	214945	0.27	0.07	23	12
I10	226892	218571	0.24	0.06	63	30
I11	67771	51657	3.20	0.81	68	62
I12	95516	73684	4.94	0.95	152	120
I13	175839	165454	0.86	0.21	164	101
I14	235663	220177	1.38	0.55	76	42
I15	116126	85983	3.03	0.78	95	83
I16	73735	31980	2.56	0.77	37	36

Table S3. Comparison of the alpha microbial diversity of Cyprus, Greece and Ireland based on the Kruskal–Wallis test

Microorganism	Alpha diversity Index	Group 1	Group 2	H	p-value	q-value
Bacteria	Shannon	Cyprus (n=10)	Greece (n=22)	1.80	0.18	0.27
		Cyprus (n=10)	Ireland (n=16)	0.80	0.37	0.37
		Greece (n=22)	Ireland (n=16)	4.79	0.03	0.09
	Chao	Cyprus (n=10)	Greece (n=22)	1.16	0.28	0.28
		Cyprus (n=10)	Ireland (n=16)	2.51	0.11	0.17
		Greece (n=22)	Ireland (n=16)	8.85	0.00	0.01
	Simpson	Cyprus (n=10)	Greece (n=22)	1.39	0.24	0.36
		Cyprus (n=10)	Ireland (n=16)	0.47	0.49	0.49
		Greece (n=22)	Ireland (n=16)	2.74	0.10	0.29
Fungi	Shannon	Cyprus (n=10)	Greece (n=23)	1.77	0.18	0.27
		Cyprus (n=10)	Ireland (n=16)	4.01	0.05	0.14
		Greece (n=23)	Ireland (n=16)	1.00	0.32	0.32
	Chao	Cyprus (n=10)	Greece (n=23)	0.05	0.83	0.83
		Cyprus (n=10)	Ireland (n=16)	2.85	0.09	0.14
		Greece (n=23)	Ireland (n=16)	3.34	0.07	0.14

Simpson	Cyprus (n=10)	Greece (n=23)	2.97	0.08	0.13
	Cyprus (n=10)	Ireland (n=16)	3.60	0.06	0.13
	Greece (n=23)	Ireland (n=16)	0.39	0.53	0.53

Table S4. Comparison of the mature cheeses' microbial beta diversity originated from Ireland, Greece and Cyprus, based on the permanova-pairwise test.

Microorganism	Unifrac distance	Group 1	Group 2	Sample size	Permutations	pseudo-F	p-value	q-value
Bacteria	Unweighted	Cyprus	Greece	32	999	1.31	0.159	0.159
		Cyprus	Ireland	26	999	1.71	0.048	0.072
		Greece	Ireland	38	999	2.61	0.002	0.006
	Weighted	Cyprus	Greece	32	999	1.63	0.153	0.153
		Cyprus	Ireland	26	999	12.02	0.001	0.0015
		Greece	Ireland	38	999	12.17	0.001	0.0015
Fungi	Unweighted	Cyprus	Greece	33	999	1.43	0.044	0.044
		Cyprus	Ireland	26	999	2.11	0.001	0.0015
		Greece	Ireland	39	999	2.89	0.001	0.0015
	Weighted	Cyprus	Greece	33	999	1.02	0.404	0.404
		Cyprus	Ireland	26	999	1.27	0.232	0.348
		Greece	Ireland	39	999	2.75	0.019	0.057

Table S5. Identified interactions between microbes in Irish cheeses in the co-occurrence network.

Cooccurrence_method	Interaction Type	Interacting Microbes	weight
dist_kullbackleibler	mutualExclusion	<i>Brevibacterium->Candida-glaebosa</i>	16.39134
dist_kullbackleibler	mutualExclusion	<i>Dipodascus-australiensis->Lactobacillus-helveticus</i>	20.7629
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua->Staphylococcus-equorum</i>	26.23929
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Leuconostoc</i>	22.96965
dist_bray	mutualExclusion	<i>Sphingomonas-yabuuchiae->Cladosporium-tenuissimum</i>	1
dist_kullbackleibler	mutualExclusion	<i>Methylobacterium->Candida-parapsilosis</i>	17.47689

dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum- >Streptococcus--</i>	22.02104
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum- >Kluyveromyces-marxianus</i>	20.93356
dist_kullbackleibler	mutualExclusion	<i>Candida-zeilanooides- >Turicibacter</i>	19.20918
dist_kullbackleibler	mutualExclusion	<i>Candida-zeilanooides- >Sphingomonas-yabuuchiae</i>	16.2361
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides- >Saccharomyces-paradoxus</i>	17.01801
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus- >Methylobacterium</i>	17.00658
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua- >Cladosporium-tenuissimum</i>	19.86373
dist_kullbackleibler	mutualExclusion	<i>Candida-parapsilosis- >Sphingomonas-yabuuchiae</i>	18.80533
correl_pearson	copresence	<i>Candida-inconspicua- >Candida-glaebosa</i>	0.992138
dist_kullbackleibler	mutualExclusion	<i>Candida-glaebosa- >Penicillium-commune</i>	27.65596
correl_spearman	mutualExclusion	<i>Candida-glaebosa- >Staphylococcus-equorum</i>	-0.65545
correl_pearson	copresence	<i>Coriobacteriaceae- >Sphingomonas-yabuuchiae</i>	0.943858
dist_kullbackleibler	mutualExclusion	<i>Candida-parapsilosis- >Leuconostoc-mesenteroides</i>	17.65405
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum- >Leuconostoc</i>	27.8182
correl_pearson	mutualExclusion	<i>Lactococcus- >Streptococcus--</i>	-0.83263

dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Cladosporium-tenuissimum</i>	24.57407
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Candida-zeilanoide</i>	16.63364
correl_pearson	mutualExclusion	<i>Lactococcus->Debaryomyces-hansenii</i>	-0.43983
correl_spearman	mutualExclusion	<i>Staphylococcus-equorum->Cladosporium-tenuissimum</i>	-0.59568
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Cladosporium-tenuissimum</i>	-0.38676
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum->Penicillium-commune</i>	28.62203
dist_kullbackleibler	mutualExclusion	<i>Coriobacteriaceae->Cladosporium-tenuissimum</i>	22.81372
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus->Sphingomonas-yabuuchiae</i>	22.23392
correl_pearson	mutualExclusion	<i>Lactobacillus-zeae->Lactococcus</i>	-0.6045
dist_kullbackleibler	mutualExclusion	<i>Candida-parapsilosis->Kluyveromyces-marxianus</i>	25.23513
correl_pearson	mutualExclusion	<i>Brevibacterium->Lactococcus</i>	-0.72155
dist_bray	copresence	<i>Candida-inconspicua->Candida-glaebosa</i>	0.111504
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides->Lactobacillus-helveticus</i>	24.89518
correl_spearman	mutualExclusion	<i>Kluyveromyces-marxianus->Candida-parapsilosis</i>	-0.66573
dist_kullbackleibler	mutualExclusion	<i>Turicibacter->Lactobacillus-helveticus</i>	19.07687

dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Saccharomyces-paradoxus</i>	17.82783
correl_pearson	mutualExclusion	<i>Kluyveromyces-marxianus->Debaryomyces-hansenii</i>	-0.35109
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Penicillium-carneum</i>	18.66822
dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Leuconostoc-mesenteroides</i>	22.40701
correl_pearson	mutualExclusion	<i>Candida-glaebosa->Debaryomyces-hansenii</i>	-0.38242
dist_kullbackleibler	mutualExclusion	<i>Sphingomonas-yabuuchiae->Candida-inconspicua</i>	17.0869
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua->Turicibacter</i>	19.75649
correl_spearman	mutualExclusion	<i>Leuconostoc->Candida-inconspicua</i>	-0.65316
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus->Kluyveromyces-marxianus</i>	26.82889
dist_kullbackleibler	mutualExclusion	<i>Dipodascus-australiensis->Cladosporium-tenuissimum</i>	26.04503
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua->Brevibacterium</i>	21.74043
dist_kullbackleibler	mutualExclusion	<i>Dipodascus-australiensis->Staphylococcus-equorum</i>	16.21482
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus->Methylobacterium</i>	20.64541
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua->Leuconostoc-mesenteroides</i>	24.82652
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua-</i>	19.43514

		<i>>Candida-parapsilosis</i>	
dist_kullbackleibler	mutualExclusion	<i>Candida-zeilanooides->Leuconostoc</i>	21.17881
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus->Lactobacillus-helveticus</i>	22.20736
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Candida-parapsilosis</i>	24.53845
dist_kullbackleibler	mutualExclusion	<i>Brevibacterium->Candida-zeilanooides</i>	16.18474
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides->Dipodascus-australiensis</i>	20.05665
dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Candida-inconspicua</i>	16.30293
dist_kullbackleibler	mutualExclusion	<i>Brevibacterium->Cladosporium-tenuissimum</i>	25.87574
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Saccharomyces-paradoxus</i>	26.14964
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Penicillium-carneum</i>	-0.59451
correl_pearson	mutualExclusion	<i>Candida-parapsilosis->Lactococcus</i>	-0.50953
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc->Kluyveromyces-marxianus</i>	20.38121
correl_spearman	mutualExclusion	<i>Saccharomyces-paradoxus->Kluyveromyces-marxianus</i>	-0.73297
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Lactobacillus-helveticus</i>	-0.54391
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Staphylococcus-equorum</i>	17.17774

dist_kullbackleibler	mutualExclusion	<i>Candida-glaebosa- >Staphylococcus- equorum</i>	28.46422
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus- helveticus- >Leuconostoc</i>	26.00589
dist_kullbackleibler	mutualExclusion	<i>Cladosporium- tenuissimum- >Penicillium- carneum</i>	16.79063
dist_kullbackleibler	mutualExclusion	<i>Candida- parapsilosis- >Staphylococcus- equorum</i>	19.51852
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc- >Candida-glaebosa</i>	19.99579
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus- equorum- >Saccharomyces- paradoxus</i>	24.89657
correl_spearman	mutualExclusion	<i>Candida- zeylanoides- >Leuconostoc- mesenteroides</i>	-0.67981
dist_kullbackleibler	mutualExclusion	<i>Streptococcus--- >Leuconostoc- mesenteroides</i>	18.57866
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc- >Candida- inconspicua</i>	26.42399
dist_kullbackleibler	mutualExclusion	<i>Candida- parapsilosis- >Dipodascus- australiensis</i>	16.47647
dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-- >Kluyveromyces- marxianus</i>	16.7719
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces- marxianus- >Staphylococcus- equorum</i>	19.66316
dist_kullbackleibler	mutualExclusion	<i>Candida-glaebosa- >Coriobacteriaceae</i>	16.95992
dist_kullbackleibler	mutualExclusion	<i>Penicillium- commune- >Leuconostoc- mesenteroides</i>	16.92715
dist_kullbackleibler	mutualExclusion	<i>Cladosporium- tenuissimum- >Turicibacter</i>	24.6891

dist_kullbackleibler	mutualExclusion	<i>Brevibacterium- >Kluyveromyces- marxianus</i>	20.24374
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc- mesenteroides- >Candida-glaebosa</i>	19.60258
correl_pearson	mutualExclusion	<i>Debaryomyces- hansenii->Candida- inconspicua</i>	-0.38755
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces- marxianus- >Leuconostoc- mesenteroides</i>	19.46221
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc- mesenteroides- >Cladosporium- tenuissimum</i>	23.60545
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus- equorum- >Sphingomonas- yabuuchiae</i>	16.26098
dist_kullbackleibler	mutualExclusion	<i>Cladosporium- tenuissimum- >Sphingomonas- yabuuchiae</i>	26.56556
dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-- >Lactobacillus- helveticus</i>	20.24025
correl_spearman	mutualExclusion	<i>Lactococcus- >Streptococcus--</i>	-0.8022
dist_kullbackleibler	mutualExclusion	<i>Methylobacterium- >Cladosporium- tenuissimum</i>	24.56254
dist_kullbackleibler	mutualExclusion	<i>Penicillium- commune- >Candida- inconspicua</i>	16.24555
dist_kullbackleibler	mutualExclusion	<i>Candida- inconspicua- >Methylobacterium</i>	18.1952
dist_kullbackleibler	mutualExclusion	<i>Candida- parapsilosis- >Cladosporium- tenuissimum</i>	26.52505
dist_bray	copresence	<i>Sphingomonas- yabuuchiae- >Coriobacteriaceae</i>	0.204141
dist_kullbackleibler	mutualExclusion	<i>Sphingomonas- yabuuchiae- >Leuconostoc</i>	17.33768
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc- mesenteroides-</i>	16.49703

		> <i>Staphylococcus-equorum</i>	
dist_bray	mutualExclusion	<i>Staphylococcus-equorum</i> -> <i>Cladosporium-tenuissimum</i>	1
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum</i> -> <i>Candida-zeilanoideis</i>	28.42661
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus</i> -> <i>Cladosporium-tenuissimum</i>	21.01705
dist_kullbackleibler	mutualExclusion	<i>Candida-glaebosa</i> -> <i>Sphingomonas-yabuuchiae</i>	18.86257
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum</i> -> <i>Debaryomyces-hansenii</i>	18.1329
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus</i> -> <i>Leuconostoc</i>	18.68
dist_kullbackleibler	mutualExclusion	<i>Candida-zeilanoideis</i> -> <i>Cladosporium-tenuissimum</i>	18.31258
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum</i> -> <i>Staphylococcus-equorum</i>	29.48067
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides</i> -> <i>Candida-zeilanoideis</i>	21.54697
correl_spearman	mutualExclusion	<i>Debaryomyces-hansenii</i> -> <i>Penicillium-carneum</i>	-0.66154
dist_bray	copresence	<i>Lactobacillus-zeae</i> -> <i>Streptococcus--</i>	0.237312
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus</i> -> <i>Coriobacteriaceae</i>	17.10019

Table S6. Identified interactions between microbes in Greek cheeses in the co-occurrence network.

Cooccurrence_method	Interaction Type	Interacting Microbes	weight
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dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae->Candida-diddensiae</i>	17.6020 8
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Leuconostoc1</i>	17.5796 3
dist_kullbackleibler	mutualExclusion	<i>Acidovoraxfacilis->Staphylococcus2</i>	16.4594 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Acinetobacter2</i>	20.7604 4
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Acidovoraxfacilis</i>	17.4405 7
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Lactobacillus-hamsteri</i>	16.4793
dist_kullbackleibler	mutualExclusion	<i>Candida-diddensiae->Penicillium-carneum</i>	19.2415 3
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Candida-metapsilosis</i>	18.7819 6
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Penicillium</i>	16.1382 8
dist_bray	mutualExclusion	<i>Acidovoraxfacilis->Pediococcus</i>	1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Acinetobacter2</i>	19.3571 6
dist_kullbackleibler	mutualExclusion	<i>Macrococcus->Pseudomonas2</i>	16.7296 9
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Wickerhamomyces-anomalous</i>	16.5301 5
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-marxianus->Candida-stellata</i>	16.1427 9
dist_bray	mutualExclusion	<i>Weeksellaceae->Pichia-mandshurica</i>	1
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginosa->Staphylococcus-equorum</i>	18.7905 7
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Acidovoraxfacilis</i>	17.8080 5
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Staphylococcus-equorum</i>	18.5067 9
correl_pearson	mutualExclusion	<i>Candida-stellata->Kluyveromyces-marxianus</i>	-0.38294
dist_kullbackleibler	mutualExclusion	<i>Acidovoraxfacilis->Carnobacterium</i>	18.3373
dist_kullbackleibler	mutualExclusion	<i>Malassezia-restricta->Naganishia-albida</i>	17.195
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginosa->Leuconostoc</i>	16.8404 1
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium-variabile->Cutaneotrichosporon-curvatus</i>	16.8522 4
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Enterobacteriaceae</i>	16.6838
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Filobasidium-unidentified</i>	19.1892 9
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Pseudomonas2</i>	17.5543 8
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Penicillium</i>	18.4553 2

dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Naganishia-albida</i>	20.5522 2
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Saccharomyces</i>	18.926
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Mannheimia</i>	16.4806
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-marxianus->Malassezia-globosa</i>	18.1406 8
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified->Naganishia-albida</i>	17.0709
correl_spearman	mutualExclusion	<i>Pseudomonas->Candida-diddensiae</i>	-0.61863
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Leuconostoc1</i>	16.1395 9
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Hanseniaspora-vineae</i>	19.5918 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus->Trichosporon-asahii</i>	18.7223 4
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Malassezia-restricta</i>	19.5051 5
dist_kullbackleibler	mutualExclusion	<i>Naganishia->Carnobacterium</i>	16.9746 6
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Candida-diddensiae</i>	18.0811 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae->Staphylococcus2</i>	18.7055 9
dist_bray	mutualExclusion	<i>Wautersiella->Rikenellaceae</i>	1
dist_bray	copresence	<i>Acinetobacter2->Acinetobacter</i>	0.23960 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Penicillium-commune</i>	22.7418 5
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Corynebacterium</i>	18.7026 2
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Aspergillus-westerdijkae</i>	18.3690 9
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Kazachstania-unispora</i>	19.9496 6
dist_bray	mutualExclusion	<i>Acidovoraxfacilis->Candida-magnoliae</i>	1
dist_bray	mutualExclusion	<i>Malassezia-globosa->Weeksellaceae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Malassezia-globosa</i>	17.1413 1
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Pediococcus</i>	20.5288
correl_pearson	mutualExclusion	<i>Lachancea-thermotolerans->Lactobacillus-helveticus</i>	-0.36938
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Candida-magnoliae</i>	18.4733
dist_bray	copresence	<i>Wautersiella->Streptococcus</i>	0.23928 7
dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Issatchenkia-orientalis</i>	17.4334 2
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Leuconostoc</i>	18.2337 7

dist_kullbackleibler	mutualExclusion	<i>Pseudomonas->Leptobacillum-leptobactrum</i>	16.4079 2
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Chromohalobacter</i>	19.0156 2
dist_bray	mutualExclusion	<i>Bacteroides->Carnobacterium</i>	1
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus->Pseudomonas2</i>	18.7332 3
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium->Lactobacillus</i>	20.2079 1
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2->Pediococcus</i>	18.4387 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Aspergillus</i>	16.5323 8
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2->Naganishia</i>	17.2158 8
dist_kullbackleibler	mutualExclusion	<i>Lachancea-thermotolerans->Chromohalobacter</i>	17.3105 1
correl_pearson	mutualExclusion	<i>Candida-diddensiae->Lactobacillus-helveticus</i>	-0.40247
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Rhodotorula-mucilaginosa</i>	16.5884 7
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Macrococcus</i>	19.2986 4
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Aspergillus</i>	22.5912 7
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Aspergillus</i>	19.7986 8
dist_bray	mutualExclusion	<i>Carnobacterium->Pichia-mandshurica</i>	1
correl_spearman	mutualExclusion	<i>Lactobacillus->Corynebacterium</i>	-0.61662
dist_bray	mutualExclusion	<i>Acidovoraxfacilis->Pichia-mandshurica</i>	1
correl_pearson	copresence	<i>Issatchenkia-orientalis->Kazachstania-unispora</i>	0.97505
dist_kullbackleibler	mutualExclusion	<i>Malassezia-globosa->Pseudomonas2</i>	17.3339 1
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Rhodotorula-mucilaginosa</i>	-0.42445
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Acinetobacter2</i>	17.2480 6
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Bacteroides</i>	17.6663 5
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Candida-stellata</i>	19.6521 6
dist_bray	mutualExclusion	<i>Weeksellaceae->Chromohalobacter</i>	1
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Penicillium-carneum</i>	19.0461 1
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc1->Acidovoraxfacilis</i>	16.3870 8
dist_kullbackleibler	mutualExclusion	<i>Meyerozyma-guilliermondii->Naganishia-albida</i>	18.0113

dist_kullbackleibler	mutualExclusion	<i>Bifidobacteriaceae->Lactobacillaceae-</i>	16.2815 8
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Cutaneotrichosporon-curvatus</i>	-0.37161
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Lactobacillus-helveticus</i>	16.3991 2
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Malassezia-globosa</i>	17.6906 7
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Rikenellaceae</i>	17.3395 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Candida-metapsilosis</i>	17.8039 1
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Penicillium</i>	-0.46248
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Issatchenkia-orientalis</i>	-0.37606
correl_spearman	mutualExclusion	<i>Candida-magnoliae->Candida-inconspicua</i>	-0.66273
dist_bray	mutualExclusion	<i>Leptobacillum-leptobactrum->Pseudomonas2</i>	1
dist_kullbackleibler	mutualExclusion	<i>Candida-magnoliae->Rhodotorula-mucilaginoso</i>	16.5724 5
dist_kullbackleibler	mutualExclusion	<i>Wickerhamomyces-anomalous->Staphylococcus-equorum</i>	17.2285 4
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2->Weeksellaceae</i>	17.2937 9
dist_bray	mutualExclusion	<i>Lactobacillus-hamsteri->Leuconostoc1</i>	1
correl_pearson	mutualExclusion	<i>Lactobacillus-helveticus->Leptobacillum-leptobactrum</i>	-0.34528
dist_bray	mutualExclusion	<i>Penicillium->Weeksellaceae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Lachancea-thermotolerans->Lactobacillus-helveticus</i>	17.0224 3
dist_kullbackleibler	mutualExclusion	<i>Lachancea-thermotolerans->Kazachstania-unispora</i>	20.4308 2
dist_kullbackleibler	mutualExclusion	<i>Wickerhamomyces-anomalous->Chromohalobacter</i>	17.9830 7
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Leptobacillum-leptobactrum</i>	20.9141 1
dist_kullbackleibler	mutualExclusion	<i>Leptobacillum-leptobactrum->Candida-inconspicua</i>	16.437
correl_pearson	mutualExclusion	<i>Acidovoraxfacilis->Debaryomyces-hansenii</i>	-0.34895
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Malassezia-globosa</i>	18.4552
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Leptobacillum-leptobactrum</i>	17.8638 1
correl_spearman	mutualExclusion	<i>Bifidobacteriaceae->Lactobacillaceae-</i>	-0.6207
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter2->Weeksellaceae</i>	16.7188
correl_pearson	mutualExclusion	<i>Penicillium-carneum->Streptococcus--</i>	-0.44121
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Leuconostoc</i>	17.3416 9
correl_pearson	mutualExclusion	<i>Lactococcus->Streptococcus--</i>	-0.82384

dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Weeksellaceae</i>	19.9126 3
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Penicillium-carneum</i>	21.6035 6
dist_bray	mutualExclusion	<i>Pseudomonas2->Pichia-mandshurica</i>	1
dist_bray	mutualExclusion	<i>Kazachstania-unispora->Aspergillus-westerdijkiae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Staphylococcus-equorum</i>	20.6090 5
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Pseudomonas2</i>	18.3991 1
dist_kullbackleibler	mutualExclusion	<i>Candida-parapsilosis->Pseudomonas2</i>	18.0076
dist_kullbackleibler	mutualExclusion	<i>Malassezia-globosa->Trichosporon-asahii</i>	17.8063 1
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Penicillium</i>	16.2631 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Penicillium-carneum</i>	23.1352 3
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Penicillium</i>	16.5884 1
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium->Lactobacillus-zeae</i>	16.9099 5
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae->Candida-metapsilosis</i>	19.1159 8
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Pichia-mandshurica</i>	18.0323 7
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Candida-metapsilosis</i>	19.7096 7
correl_pearson	mutualExclusion	<i>Chryseobacterium->Rikenellaceae</i>	-0.34323
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Rikenellaceae</i>	18.2919 9
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-marxianus->Hanseniaspora-vineae</i>	18.5335 5
correl_spearman	mutualExclusion	<i>Candida-inconspicua->Debaryomyces-hansenii</i>	-0.59569
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Lachancea-thermotolerans</i>	21.3796 2
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Hanseniaspora-vineae</i>	18.3530 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Saccharomyces-paradoxus</i>	17.6357 2
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified->Leuconostoc1</i>	17.3249 1
correl_spearman	mutualExclusion	<i>Bifidobacteriaceae->Rikenellaceae</i>	-0.66234
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Leptobacillum-leptobactrum</i>	17.5466 7
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Kocuria</i>	18.1380 2
dist_kullbackleibler	mutualExclusion	<i>Wickerhamomyces-anomalous->Pseudomonas2</i>	16.3185 5

dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii</i> -> <i>Aspergillus</i>	17.7990 5
correl_spearman	mutualExclusion	<i>Naganishia</i> -> <i>Lactococcus</i>	-0.57286
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune</i> -> <i>Streptococcus</i>	21.6565 5
dist_kullbackleibler	mutualExclusion	<i>Candida-magnoliae</i> -> <i>Weeksellaceae</i>	16.9034 7
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter</i> -> <i>Issatchenkia-orientalis</i>	19.8635 9
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginosa</i> -> <i>Staphylococcus2</i>	19.1188 4
correl_spearman	mutualExclusion	<i>Cutaneotrichosporon-curvatus</i> -> <i>Malassezia-restricta</i>	-0.60803
dist_kullbackleibler	mutualExclusion	<i>Meyerozyma-guilliermondii</i> -> <i>Lactobacillus-zeae</i>	18.4938 1
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis</i> -> <i>Staphylococcus2</i>	19.5703 4
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum</i> -> <i>Candida-stellata</i>	20.9734 6
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae</i> -> <i>Penicillium</i>	19.6971 1
dist_kullbackleibler	mutualExclusion	<i>Pichia-mandshurica</i> -> <i>Lactobacillus-zeae</i>	16.4250 9
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae</i> -> <i>Macrococcus</i>	17.0639 3
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-hamsteri</i> -> <i>Staphylococcus2</i>	19.8437
dist_bray	mutualExclusion	<i>Carnobacterium</i> -> <i>Acidovoraxfacilis</i>	1
dist_kullbackleibler	mutualExclusion	<i>Mycosphaerella-tassiana</i> -> <i>Pediococcus</i>	16.6164 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus</i> -> <i>Enterobacteriaceae</i>	19.1599 1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum</i> -> <i>Lactobacillaceae</i>	17.1698 3
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae</i> -> <i>Issatchenkia-orientalis</i>	16.6226 5
dist_kullbackleibler	mutualExclusion	<i>Streptococcus-equi</i> -> <i>Penicillium-carneum</i>	20.8351 6
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora</i> -> <i>Staphylococcus2</i>	20.6906 9
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida</i> -> <i>Acinetobacter2</i>	20.0805 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus</i> -> <i>Corynebacterium-variabile</i>	19.8503 7
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida</i> -> <i>Corynebacterium</i>	17.9756
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune</i> -> <i>Penicillium</i>	16.6820 7
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium-variabile</i> -> <i>Penicillium-commune</i>	17.1029 3
dist_bray	mutualExclusion	<i>Candida-diddensiae</i> -> <i>Lactobacillus-hamsteri</i>	1

dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Macrococcus</i>	18.2139 8
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum->Lactobacillus</i>	21.4958 9
correl_spearman	mutualExclusion	<i>Streptococcus--->Lactococcus</i>	-0.63185
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Kazachstania-unispora</i>	20.3544 9
correl_spearman	mutualExclusion	<i>Malassezia-restricta->Lactobacillus-helveticus</i>	-0.58743
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Naganishia-albida</i>	21.7881 9
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae->Kazachstania-unispora</i>	21.5987 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Saccharomyces-paradoxus</i>	16.3880 4
dist_kullbackleibler	mutualExclusion	<i>Candida-magnoliae->Penicillium-carneum</i>	18.0553
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Wickerhamomyces-anomalous</i>	20.1779 4
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae->Naganishia-albida</i>	19.0395 4
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Candida-stellata</i>	16.9117 8
correl_pearson	mutualExclusion	<i>Lactobacillus->Streptococcus--</i>	-0.50557
dist_bray	mutualExclusion	<i>Lactobacillus-hamsteri->Pichia-mandshurica</i>	1
correl_pearson	mutualExclusion	<i>Lactobacillaceae-->Kocuria</i>	-0.35299
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum->Penicillium-carneum</i>	22.8173 8
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum->Pseudomonas2</i>	17.9103 5
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium-variabile->Naganishia-albida</i>	18.4267 4
dist_kullbackleibler	mutualExclusion	<i>Malassezia-restricta->Penicillium-commune</i>	16.6666 5
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Streptococcus-equi</i>	17.0521 3
correl_spearman	mutualExclusion	<i>Lactobacillus-zeae->Corynebacterium-variabile</i>	-0.63241
dist_kullbackleibler	mutualExclusion	<i>-Streptococcus->Pediococcus</i>	17.2105 5
dist_kullbackleibler	mutualExclusion	<i>Candida-magnoliae->Candida-metapsilosis</i>	17.0599 9
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Naganishia</i>	16.7875 6
correl_pearson	mutualExclusion	<i>Kluyveromyces-marxianus->Candida-magnoliae</i>	-0.37881
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter->Penicillium-carneum</i>	19.8577 1
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Penicillium-commune</i>	20.7785 3

correl_pearson	copresence	<i>Carnobacterium</i> -> <i>Streptococcus</i>	0.94723 9
correl_spearman	mutualExclusion	<i>Saccharomyces-paradoxus</i> -> <i>Lactobacillus-hamsteri</i>	-0.58694
correl_pearson	copresence	<i>Acinetobacter</i> -> <i>Acinetobacter2</i>	0.94665 4
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis</i> -> <i>Malassezia-globosa</i>	16.7375 8
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2</i> -> <i>Penicillium-commune</i>	20.4717 9
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum</i> -> <i>Leptobacillum-leptobactrum</i>	17.4016 9
dist_bray	mutualExclusion	<i>Rikenellaceae</i> -> <i>Carnobacterium</i>	1
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-marxianus</i> -> <i>Candida-magnoliae</i>	16.1673
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum</i> -> <i>Penicillium-commune</i>	18.3629
dist_kullbackleibler	mutualExclusion	<i>Candida-diddensiae</i> -> <i>Lactobacillus-helveticus</i>	16.7099 4
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium-variabile</i> -> <i>Penicillium-carneum</i>	16.1892 4
dist_kullbackleibler	mutualExclusion	<i>Lachancea-thermotolerans</i> -> <i>Trichosporon-asahii</i>	20.3050 3
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae</i> -> <i>Corynebacterium-variabile</i>	20.9424 9
correl_spearman	mutualExclusion	<i>Leptobacillum-leptobactrum</i> -> <i>Lactobacillus-helveticus</i>	-0.62894
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis</i> -> <i>Staphylococcus-equorum</i>	17.9150 8
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc1</i> -> <i>Pediococcus</i>	16.7408
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora</i> -> <i>Cladosporium-tenuissimum</i>	17.7190 4
dist_bray	mutualExclusion	<i>Weeksellaceae</i> -> <i>Lachancea-thermotolerans</i>	1
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Lactococcus</i>	-0.63704
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus</i> -> <i>Lactobacillus-hamsteri</i>	18.6610 2
dist_bray	mutualExclusion	<i>Lactobacillus-hamsteri</i> -> <i>Lachancea-thermotolerans</i>	1
dist_kullbackleibler	mutualExclusion	<i>Candida-diddensiae</i> -> <i>Kazachstania-unispora</i>	19.4449 1
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium</i> -> <i>Saccharomyces</i>	19.0316 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune</i> -> <i>Pichia-mandshurica</i>	17.8236 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune</i> -> <i>Staphylococcus-equorum</i>	20.8436 9
dist_kullbackleibler	mutualExclusion	<i>Leptobacillum-leptobactrum</i> -> <i>Penicillium-commune</i>	16.8437
dist_kullbackleibler	mutualExclusion	<i>Naganishia</i> -> <i>Aspergillus</i>	17.4012 1

dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Leuconostoc1</i>	17.9619 5
dist_bray	mutualExclusion	<i>Naganishia->Leuconostoc1</i>	1
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Hanseniaspora-vineae</i>	18.4014 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Malassezia-globosa</i>	22.3235 7
dist_bray	mutualExclusion	<i>Saccharomyces->Carnobacterium</i>	1
dist_bray	copresence	<i>Corynebacterium->Corynebacterium-variabile</i>	0.20064 6
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Trichosporon-asahii</i>	22.8167 3
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Kazachstania-unispora</i>	-0.33397
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Staphylococcus-equorum</i>	16.3053 4
dist_kullbackleibler	mutualExclusion	<i>Enterobacteriaceae->Penicillium-commune</i>	20.0054 9
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Candida-metapsilosis</i>	17.4902 1
correl_pearson	mutualExclusion	<i>Saccharomyces-paradoxus->Debaryomyces-hansenii</i>	-0.35368
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Saccharomyces</i>	16.8991 1
correl_spearman	mutualExclusion	<i>Staphylococcus-equorum->Lactobacillus</i>	-0.64129
correl_spearman	mutualExclusion	<i>Kluyveromyces-marxianus->Debaryomyces-hansenii</i>	-0.63885
correl_spearman	mutualExclusion	<i>Staphylococcus2->Lactobacillus</i>	-0.71604
dist_kullbackleibler	mutualExclusion	<i>Meyerozyma-guilliermondii->Weeksellaceae</i>	16.7508 8
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Pediococcus</i>	19.3616 9
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Meyerozyma-guilliermondii</i>	17.5704 6
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Lactobacillus-delbrueckii</i>	22.6725
dist_bray	mutualExclusion	<i>Weeksellaceae->Candida-magnoliae</i>	1
dist_bray	mutualExclusion	<i>Acidovoraxfacilis->Rikenellaceae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Pichia-mandshurica</i>	17.0698 4
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Hanseniaspora-vineae</i>	20.2778 7
dist_kullbackleibler	mutualExclusion	<i>Candida-stellata->Trichosporon-asahii</i>	18.5248 5
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Pediococcus</i>	16.3080 7
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Candida-diddensiae</i>	16.8188 8
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Mycosphaerella-tassiana</i>	18.9200 8

dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Leptobacillium-leptobactrum</i>	20.5732 3
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae->Chromohalobacter</i>	21.8920 7
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Leptobacillium-leptobactrum</i>	18.7405 4
dist_kullbackleibler	mutualExclusion	<i>Malassezia-restricta->Kazachstania-unispora</i>	20.3338 1
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Carnobacterium</i>	19.5113 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Staphylococcus2</i>	16.1758 9
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2->Naganishia-albida</i>	16.7438
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium->Kazachstania-unispora</i>	19.6321 9
dist_kullbackleibler	mutualExclusion	<i>Wautersiella->Weeksellaceae</i>	16.4446 8
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Carnobacterium</i>	16.2685 5
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Pseudomonas2</i>	17.9022 9
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Wautersiella</i>	16.1549 3
dist_kullbackleibler	mutualExclusion	<i>Aspergillus->Penicillium-commune</i>	16.3422 4
dist_kullbackleibler	mutualExclusion	<i>-Streptococcus->Penicillium-carneum</i>	16.7581 7
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Malassezia-restricta</i>	17.9557 7
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified->Malassezia-globosa</i>	16.8059 1
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Lactobacillus-helveticus</i>	17.0997 4
dist_kullbackleibler	mutualExclusion	<i>Candida-diddensiae->Pseudomonas</i>	16.2158 9
dist_kullbackleibler	mutualExclusion	<i>Malassezia-restricta->Issatchenkia-orientalis</i>	16.4395 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Candida-diddensiae</i>	17.6355 4
dist_kullbackleibler	mutualExclusion	<i>Wautersiella->Trichosporon-asahii</i>	17.4267 2
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginosa->Aspergillus</i>	17.4417 4
correl_spearman	mutualExclusion	<i>Pseudomonas->Lactococcus</i>	-0.66838
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Trichosporon-asahii</i>	17.1807 5
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Kazachstania-unispora</i>	17.0266
dist_kullbackleibler	mutualExclusion	<i>Aspergillus->Naganishia-albida</i>	16.3468 2

dist_kullbackleibler	mutualExclusion	<i>Malassezia-globosa->Kazachstania-unispora</i>	16.9951 7
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Candida-inconspicua</i>	-0.5158
dist_kullbackleibler	mutualExclusion	<i>Candida-diddensiae->Candida-metapsilosis</i>	19.5842 7
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Hanseniaspora-vineae</i>	16.7093 3
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Corynebacterium-variabile</i>	19.2217 5
dist_kullbackleibler	mutualExclusion	<i>Lachancea-thermotolerans->Weeksellaceae</i>	18.5929 6
dist_bray	mutualExclusion	<i>Bacteroides->Leuconostoc1</i>	1
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Penicillium-commune</i>	22.6487 7
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Pichia-mandshurica</i>	18.1509 3
correl_spearman	mutualExclusion	<i>Lactobacillaceae-->Lactobacillus-helveticus</i>	-0.60739
dist_kullbackleibler	mutualExclusion	<i>Lachancea-thermotolerans->Lactobacillus-hamsteri</i>	16.3797 9
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Trichosporon-asahii</i>	20.9719 1
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Naganishia-albida</i>	18.621
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Saccharomyces</i>	-0.37615
correl_spearman	mutualExclusion	<i>Pseudomonas->Pichia-mandshurica</i>	-0.60241
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus->Chromohalobacter</i>	21.4387 7
correl_pearson	mutualExclusion	<i>Malassezia-globosa->Streptococcus--</i>	-0.41093
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Saccharomyces</i>	17.6496 2
dist_bray	mutualExclusion	<i>Aspergillus-westerdijkiae->Weeksellaceae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Wickerhamomyces-anomalous->Pediococcus</i>	16.9022 3
dist_kullbackleibler	mutualExclusion	<i>Leptobacillum-leptobactrum->Pseudomonas2</i>	19.5113 9
dist_bray	mutualExclusion	<i>Naganishia-albida->Naganishia</i>	1
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified->Hanseniaspora-vineae</i>	16.2362
dist_bray	mutualExclusion	<i>Carnobacterium->Rhodotorula-mucilaginoso</i>	1
dist_kullbackleibler	mutualExclusion	<i>Naganishia->Lachancea-thermotolerans</i>	16.9881 8
dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Rhodotorula-mucilaginoso</i>	16.8377 7
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Chromohalobacter</i>	21.1787 1

dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Penicillium</i>	20.2444 7
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2->Penicillium-carneum</i>	22.8819 4
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Macrococcus</i>	19.0950 3
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Trichosporon-asahii</i>	16.1545 5
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Aspergillus</i>	18.7625 3
dist_kullbackleibler	mutualExclusion	<i>Naganishia->Leuconostoc1</i>	17.1490 7
dist_kullbackleibler	mutualExclusion	<i>Leptobacillum-leptobactrum->Lactobacillus-zeae</i>	16.3450 6
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Lactobacillus-zeae</i>	18.2544 3
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-marxianus->Chromohalobacter</i>	17.3616 5
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus->Naganishia-albida</i>	21.5798 9
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Carnobacterium</i>	17.0175 2
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified->Pediococcus</i>	18.0484 7
dist_kullbackleibler	mutualExclusion	<i>Macrococcus->Lactobacillus</i>	17.0090 7
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Rhodotorula-mucilaginoso</i>	21.3225 7
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Carnobacterium</i>	20.5750 8
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Leuconostoc</i>	16.8746 1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Wautersiella</i>	20.3122 2
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Candida-inconspicua</i>	16.3069 1
dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter->Penicillium-carneum</i>	18.7025 5
dist_kullbackleibler	mutualExclusion	<i>Candida-diddensiae->Lactobacillus-hamsteri</i>	16.9567 1
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Lachancea-thermotolerans</i>	16.7493 4
dist_bray	mutualExclusion	<i>Saccharomyces->Lactobacillus-hamsteri</i>	1
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Staphylococcus2</i>	18.2996 7
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces-paradoxus->Chromohalobacter</i>	17.1333 8
dist_kullbackleibler	mutualExclusion	<i>Leptobacillum-leptobactrum->Penicillium-carneum</i>	23.8295 8
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Lactobacillus-helveticus</i>	18.4745 5

dist_kullbackleibler	mutualExclusion	<i>Leptobacillium-leptobactrum->Kluyveromyces-marxianus</i>	17.9645 8
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Pediococcus</i>	19.8663 2
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Meyerozyma-guilliermondii</i>	21.6792 4
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc1->Penicillium-carneum</i>	19.7233
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Trichosporon-asahii</i>	18.9759 7
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum->Saccharomyces-paradoxus</i>	17.0162
dist_kullbackleibler	mutualExclusion	<i>Rikenellaceae->Lactobacillus-delbrueckii</i>	17.6830 9
dist_kullbackleibler	mutualExclusion	<i>Enterobacteriaceae->Penicillium-carneum</i>	22.4371 8
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Candida-zeilanoides</i>	-0.40438
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Candida-magnoliae</i>	17.4946 6
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Naganishia</i>	19.0809 7
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Lactobacillus-zeae</i>	18.5036 8
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum->Kazachstania-unispora</i>	22.2372 3
dist_kullbackleibler	mutualExclusion	<i>-Streptococcus->Pseudomonas2</i>	16.4933
dist_bray	mutualExclusion	<i>Lactobacillus-hamsteri->Hanseniaspora-vineae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Candida-stellata->Candida-metapsilosis</i>	19.3116 6
dist_bray	copresence	<i>Enterobacteriaceae->Acinetobacter2</i>	0.24609
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Penicillium</i>	16.5632 7
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Macrococcus</i>	18.3685 5
dist_kullbackleibler	mutualExclusion	<i>Macrococcus->Penicillium</i>	16.7672
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus->Streptococcus</i>	18.5425 5
correl_pearson	mutualExclusion	<i>Leuconostoc1->Streptococcus--</i>	-0.46136
dist_bray	mutualExclusion	<i>Weeksellaceae->Hanseniaspora-vineae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Pichia-mandshurica->Candida-metapsilosis</i>	18.3922 7
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae->Staphylococcus-equorum</i>	21.2380 2
correl_pearson	copresence	<i>Meyerozyma-guilliermondii->Candida-parapsilosis</i>	0.95580 7
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Leuconostoc</i>	18.6876 7
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Pseudomonas2</i>	16.8211 5

dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Pediococcus</i>	17.0693 3
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Penicillium-carneum</i>	22.2512 2
correl_pearson	mutualExclusion	<i>Lactococcus->Lactobacillus-helveticus</i>	-0.39078
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Lachancea-thermotolerans</i>	17.2492 3
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum->Lactobacillus-delbrueckii</i>	21.4097 4
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc->Issatchenkia-orientalis</i>	18.9777 1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Candida-magnoliae</i>	17.4841 5
dist_kullbackleibler	mutualExclusion	<i>Meyerozyma-guilliermondii->Pseudomonas2</i>	18.5221 8
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Aspergillus-westerdijkiae</i>	19.5651 1
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium-variabile->Lactobacillaceae-</i>	16.8043 8
correl_pearson	mutualExclusion	<i>Kluyveromyces-marxianus->Debaryomyces-hansenii</i>	-0.61866
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Staphylococcus-equorum</i>	17.5022 4
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Mycosphaerella-tassiana</i>	17.7596
dist_bray	mutualExclusion	<i>Chromohalobacter->Acidovoraxfacilis</i>	1
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Naganishia</i>	17.1359 8
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Pichia-mandshurica</i>	16.7566 9
dist_kullbackleibler	mutualExclusion	<i>Rikenellaceae->Issatchenkia-orientalis</i>	16.2481 1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Pseudomonas</i>	18.4439 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Cladosporium-tenuissimum</i>	16.1940 2
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc1->Lactobacillus</i>	18.0946 7
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Rhodotorula-mucilaginosa</i>	19.5523 4
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Corynebacterium</i>	16.3844 2
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Lactobacillus-hamsteri</i>	16.1435 7
dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Kazachstania-unispora</i>	17.1042 6
dist_bray	mutualExclusion	<i>Carnobacterium->Weeksellaceae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Wautersiella</i>	16.2650 7
dist_kullbackleibler	mutualExclusion	<i>Aspergillus->Lactobacillus-hamsteri</i>	16.2611 5

dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Mycosphaerella-tassiana</i>	21.4632
correl_spearman	mutualExclusion	<i>Malassezia-restricta->Candida-inconspicua</i>	-0.60278
correl_spearman	mutualExclusion	<i>Lachancea-thermotolerans->Lactobacillus-helveticus</i>	-0.58617
correl_pearson	mutualExclusion	<i>Malassezia-restricta->Lactobacillus-helveticus</i>	-0.41996
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus->Candida-diddensiae</i>	-0.5832
dist_bray	mutualExclusion	<i>Aspergillus-westerdijkiae->Lactobacillus-hamsteri</i>	1
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Penicillium-commune</i>	22.5948 7
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Candida-diddensiae</i>	16.1409 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Leptobacillum-leptobactrum</i>	19.7549 8
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Penicillium-carneum</i>	17.0958 1
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Kluyveromyces-marxianus</i>	17.0099 7
dist_bray	mutualExclusion	<i>Kazachstania-unispora->Rikenellaceae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Lachancea-thermotolerans->Penicillium-commune</i>	17.4135 5
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Corynebacterium-variabile</i>	16.3753 5
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Cladosporium-tenuissimum</i>	16.5062 7
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae->Lactobacillus-hamsteri</i>	17.3534 7
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Rhodotorula-mucilaginosa</i>	20.7245 3
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2->Lactobacillus</i>	24.2302 8
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus->Carnobacterium</i>	22.2667 1
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Carnobacterium</i>	17.9382 8
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Malassezia-globosa</i>	17.0759 2
dist_kullbackleibler	mutualExclusion	<i>-Streptococcus->Lactobacillus-hamsteri</i>	16.7132 7
correl_pearson	mutualExclusion	<i>Filobasidium-unidentified->Debaryomyces-hansenii</i>	-0.4235
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Pichia-mandshurica</i>	17.0253 2
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Enterobacteriaceae</i>	20.3504 7
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Chromohalobacter</i>	16.4032 4

dist_bray	mutualExclusion	<i>Weeksellaceae->Leuconostoc1</i>	1
dist_bray	copresence	<i>Kazachstania-unispora->Issatchenkia-orientalis</i>	0.160059
dist_kullbackleibler	mutualExclusion	<i>Aspergillus->Kazachstania-unispora</i>	21.97412
dist_bray	copresence	<i>Mannheimia->Wickerhamomyces-anomalous</i>	0.246099
dist_bray	mutualExclusion	<i>Acidovoraxfacilis->Leuconostoc1</i>	1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Issatchenkia-orientalis</i>	16.24979
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium->Pseudomonas2</i>	17.60639
dist_kullbackleibler	mutualExclusion	<i>Malassezia-globosa->Naganishia-albida</i>	18.06731
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae->Penicillium-carneum</i>	17.5164
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Acinetobacter-johnsonii</i>	17.96496
correl_pearson	copresence	<i>Torulaspora-delbrueckii->Leuconostoc-mesenteroides</i>	0.943984
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Kurthiaibsonii</i>	18.31669
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Kluyveromyces-lactis</i>	22.79399
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Acinetobacter-uillouiae</i>	17.03131
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Klebsiella</i>	19.38422
dist_kullbackleibler	mutualExclusion	<i>Botryosphaeria-dothidea->Kluyveromyces-lactis</i>	17.33751
correl_spearman	copresence	<i>Erysiphe-necator->Stemphylium</i>	0.973064
correl_spearman	copresence	<i>Erysiphe-necator->Penicillium-spinulosum</i>	0.826282
dist_kullbackleibler	copresence	<i>Erysiphe-necator->Penicillium-spinulosum</i>	0.65008
dist_bray	copresence	<i>Erysiphe-necator->Aureobasidium-pullulans</i>	0.090866
correl_spearman	copresence	<i>Erysiphe-necator->Aureobasidium-pullulans</i>	0.869771
correl_pearson	copresence	<i>Erysiphe-necator->Aureobasidium-pullulans</i>	0.99377
dist_kullbackleibler	copresence	<i>Erysiphe-necator->Aureobasidium-pullulans</i>	0.235607
correl_spearman	copresence	<i>Erysiphe-necator->Hanseniaspora</i>	0.848026
correl_spearman	copresence	<i>Parengyodontium-album->Erysiphe-necator</i>	0.889562
correl_spearman	copresence	<i>Parengyodontium-album->Botrytis</i>	0.853007

dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Kluyveromyces-lactis</i>	19.2283 5
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Yamadazyma-triangularis</i>	19.3517 1
correl_spearman	copresence	<i>Hanseniaspora-nectarophila->Erysiphe-necator</i>	0.88777 2
correl_spearman	copresence	<i>Hanseniaspora-nectarophila->Stemphylium</i>	0.91755 9
dist_bray	copresence	<i>Hanseniaspora-nectarophila->Stemphylium</i>	0.16700 5
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Yamadazyma-triangularis</i>	16.8760 6
correl_spearman	copresence	<i>Hanseniaspora-nectarophila->Hanseniaspora</i>	0.92063 4
dist_bray	copresence	<i>Hanseniaspora-nectarophila->Hanseniaspora</i>	0.16291 6
correl_pearson	copresence	<i>Acinetobacter-johnsonii->Botrytis</i>	0.95082 1
correl_pearson	copresence	<i>Acinetobacter-johnsonii->Acinetobacter-uillouiae</i>	0.99311 8
dist_bray	copresence	<i>Acinetobacter-johnsonii->Acinetobacter-uillouiae</i>	0.12525 6
correl_pearson	copresence	<i>Acinetobacter-johnsonii->Acinetobacter-rhizosphaerae</i>	0.97195 6
correl_pearson	copresence	<i>Acinetobacter-johnsonii->Klebsiella</i>	0.95524
dist_bray	copresence	<i>Acinetobacter-johnsonii->Klebsiella</i>	0.20978 8
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-johnsonii->Lactobacillus-brevis</i>	18.7835 6
dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter-->Yamadazyma-triangularis</i>	16.8936
dist_kullbackleibler	copresence	<i>Stemphylium->Hanseniaspora-nectarophila</i>	0.58111
dist_kullbackleibler	copresence	<i>Stemphylium->Erysiphe-necator</i>	0.74077 6
correl_spearman	copresence	<i>Stemphylium->Parengyodontium-album</i>	0.89090 9
dist_kullbackleibler	copresence	<i>Stemphylium->Botrytis</i>	0.56975 2
dist_kullbackleibler	copresence	<i>Stemphylium->Penicillium-spinulosum</i>	0.48564 9
dist_bray	copresence	<i>Stemphylium->Penicillium-spinulosum</i>	0.23768 7
correl_spearman	copresence	<i>Stemphylium->Penicillium-spinulosum</i>	0.88953 8
dist_kullbackleibler	mutualExclusion	<i>Stemphylium->Kluyveromyces-lactis</i>	17.6383 6
correl_spearman	copresence	<i>Stemphylium->Alternaria-alternata</i>	0.83946 1
dist_kullbackleibler	copresence	<i>Stemphylium->Hanseniaspora</i>	0.30552 6

correl_spearman	copresence	<i>Stemphylium->Hanseniaspora</i>	0.89546 9
dist_bray	copresence	<i>Stemphylium->Hanseniaspora</i>	0.16862 3
correl_pearson	copresence	<i>Sporobolomyces-roseus->Kurthiaibsonii</i>	0.95550 3
dist_kullbackleibler	mutualExclusion	<i>Sporobolomyces-roseus->Kluyveromyces-lactis</i>	18.8005 9
correl_pearson	copresence	<i>Sporobolomyces-roseus->Aureobasidium-pullulans</i>	0.95267
dist_kullbackleibler	mutualExclusion	<i>Sporobolomyces-roseus->Yamadazyma-triangularis</i>	16.7385 2
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides->Erysiphe-necator</i>	16.143
dist_bray	copresence	<i>Botrytis->Sporobolomyces-roseus</i>	0.22075 1
dist_kullbackleibler	copresence	<i>Botrytis->Erysiphe-necator</i>	0.39963 2
correl_pearson	copresence	<i>Botrytis->Erysiphe-necator</i>	0.96970 2
correl_spearman	copresence	<i>Botrytis->Stemphylium</i>	0.94432 7
correl_spearman	copresence	<i>Botrytis->Erysiphe-necator</i>	0.92218 9
correl_pearson	copresence	<i>Botrytis->Sporobolomyces-roseus</i>	0.95881 9
dist_bray	copresence	<i>Botrytis->Erysiphe-necator</i>	0.16858 8
correl_spearman	copresence	<i>Botrytis->Hanseniaspora-nectarophila</i>	0.88543 8
correl_pearson	copresence	<i>Botrytis->Kurthiaibsonii</i>	0.96171 1
dist_kullbackleibler	copresence	<i>Botrytis->Penicillium-spinulosum</i>	0.90674 8
dist_kullbackleibler	mutualExclusion	<i>Botrytis->Kluyveromyces-lactis</i>	21.3711 6
correl_pearson	copresence	<i>Botrytis->Alternaria-metachromatica</i>	0.96459 9
correl_pearson	copresence	<i>Botrytis->Acinetobacter-rhizosphaerae</i>	0.95392 3
correl_pearson	copresence	<i>Botrytis->Aureobasidium-pullulans</i>	0.98156 5
correl_pearson	copresence	<i>Kurthiaibsonii->Acinetobacter-johnsonii</i>	0.95536 2
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Leuconostoc-mesenteroides</i>	19.6103 4
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Candida-atlantica</i>	20.7584 3
dist_bray	mutualExclusion	<i>Kurthiaibsonii->Candida-atlantica</i>	1
dist_bray	copresence	<i>Kurthiaibsonii->Acinetobacter-rhizosphaerae</i>	0.20064 7

correl_pearson	copresence	<i>Kurthiaibsonii</i> -> <i>Acinetobacter-rhizosphaerae</i>	0.98458 4
correl_spearman	copresence	<i>Penicillium-spinulosum</i> -> <i>Hanseniaspora-nectarophila</i>	0.91176 3
correl_pearson	copresence	<i>Penicillium-spinulosum</i> -> <i>Stemphylium</i>	0.95358 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum</i> -> <i>Candida-atlantica</i>	16.8180 1
dist_kullbackleibler	copresence	<i>Penicillium-spinulosum</i> -> <i>Aureobasidium-pullulans</i>	0.36478 1
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Kurthiaibsonii</i>	18.2260 1
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Enhydrobacter</i>	19.0120 4
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Acinetobacter-johnsonii</i>	17.7913 9
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Penicillium-spinulosum</i>	18.1203 9
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Leuconostoc-mesenteroides</i>	16.8727 5
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Hanseniaspora-nectarophila</i>	18.0863 5
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Erysiphe-necator</i>	21.5052 5
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Macrococcus1</i>	17.6179 5
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Candida-atlantica</i>	17.3819 6
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Cladosporium-sphaerospermum</i>	17.1093 9
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Alternaria-alternata</i>	17.3258 8
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Acinetobacter-rhizosphaerae</i>	16.8436 9
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Aureobasidium-pullulans</i>	19.8543 1
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-lactis</i> -> <i>Enterococcus</i>	17.4292 1
dist_bray	mutualExclusion	<i>Candida-atlantica</i> -> <i>Enhydrobacter</i>	1
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica</i> -> <i>Sporobolomyces-roseus</i>	18.3792 2
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica</i> -> <i>Enhydrobacter</i>	19.2531 2
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica</i> -> <i>Torulaspora-delbrueckii</i>	16.9307 2
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-sphaerospermum</i> -> <i>Torulaspora-delbrueckii</i>	16.5953 8
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-sphaerospermum</i> -> <i>Yamadazyma-triangularis</i>	16.1703 6
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-sphaerospermum</i> -> <i>Lactobacillus-brevis</i>	17.5826 3

correl_spearman	mutualExclusion	<i>Alternaria-metachromatica->Kluyveromyces-lactis</i>	-0.63339
dist_bray	copresence	<i>Alternaria-metachromatica->Botrytis</i>	0.20676
dist_kullbackleibler	mutualExclusion	<i>Alternaria-metachromatica->Kluyveromyces-lactis</i>	21.1718
dist_bray	copresence	<i>Alternaria-metachromatica->Alternaria-alternata</i>	0.21855 2
dist_bray	copresence	<i>Alternaria-metachromatica->Aureobasidium-pullulans</i>	0.21523 9
correl_pearson	copresence	<i>Acinetobacter-uillouiae->Kurthiaibsonii</i>	0.96772 6
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae->Kluyveromyces-lactis</i>	17.4164 2
correl_pearson	copresence	<i>Acinetobacter-uillouiae->Botrytis</i>	0.94881 9
dist_kullbackleibler	copresence	<i>Acinetobacter-uillouiae->Acinetobacter-johnsonii</i>	0.82904 9
dist_kullbackleibler	copresence	<i>Acinetobacter-uillouiae->Acinetobacter-rhizosphaerae</i>	0.98291 7
dist_bray	copresence	<i>Acinetobacter-uillouiae->Klebsiella</i>	0.24397 1
correl_pearson	copresence	<i>Alternaria-alternata->Alternaria-metachromatica</i>	0.94640 6
correl_spearman	copresence	<i>Alternaria-alternata->Erysiphe-necator</i>	0.83287 1
dist_bray	copresence	<i>Alternaria-alternata->Aureobasidium-pullulans</i>	0.21361 5
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Candida-atlantica</i>	16.6187 2
dist_bray	copresence	<i>Acinetobacter-rhizosphaerae->Acinetobacter-uillouiae</i>	0.13667 6
correl_pearson	copresence	<i>Acinetobacter-rhizosphaerae->Acinetobacter-uillouiae</i>	0.98444 5
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Torulaspora-delbrueckii</i>	18.2243
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Leuconostoc-mesenteroides</i>	17.1368 1
dist_bray	copresence	<i>Acinetobacter-rhizosphaerae->Acinetobacter-johnsonii</i>	0.24900 5
correl_pearson	copresence	<i>Acinetobacter-rhizosphaerae->Sporobolomyces-roseus</i>	0.95137 5
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Lactobacillus-brevis</i>	18.5078
dist_kullbackleibler	copresence	<i>Aureobasidium-pullulans->Botrytis</i>	0.34012 7
correl_spearman	copresence	<i>Aureobasidium-pullulans->Botrytis</i>	0.84684 6
dist_bray	copresence	<i>Aureobasidium-pullulans->Botrytis</i>	0.15030 3
dist_bray	copresence	<i>Aureobasidium-pullulans->Sporobolomyces-roseus</i>	0.24190 3

dist_kullbackleibler	copresence	<i>Aureobasidium-pullulans->Stemphylium</i>	0.31754 6
correl_spearman	copresence	<i>Aureobasidium-pullulans->Penicillium-spinulosum</i>	0.91747 3
dist_bray	copresence	<i>Aureobasidium-pullulans->Penicillium-spinulosum</i>	0.21772 7
correl_spearman	copresence	<i>Aureobasidium-pullulans->Stemphylium</i>	0.91589 5
dist_bray	copresence	<i>Aureobasidium-pullulans->Stemphylium</i>	0.24614
dist_kullbackleibler	mutualExclusion	<i>Aureobasidium-pullulans->Yamadazyma-triangularis</i>	17.9684 5
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Penicillium-spinulosum</i>	18.3285 4
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Kurthiaibsonii</i>	16.2782 9
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Kluyveromyces-lactis</i>	16.9666 4
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Torulaspora-delbrueckii</i>	18.3415 6
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Lactobacillus-brevis</i>	21.1489 8
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Hanseniaspora</i>	17.4914 9
correl_spearman	mutualExclusion	<i>Enterococcus->Kluyveromyces-lactis</i>	-0.61405
dist_kullbackleibler	mutualExclusion	<i>Klebsiella->Kluyveromyces-lactis</i>	16.8092 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Klebsiella</i>	20.3836 8
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Kluyveromyces-lactis</i>	19.6769 2
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Candida-atlantica</i>	17.9823 5
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Kurthiaibsonii</i>	20.9329 4
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Acinetobacter-uillouiae</i>	18.7088 1
correl_pearson	copresence	<i>Lactobacillus-brevis->Torulaspora-delbrueckii</i>	0.94384 4
dist_kullbackleibler	copresence	<i>Hanseniaspora->Aureobasidium-pullulans</i>	0.98666 8
dist_kullbackleibler	copresence	<i>Hanseniaspora->Hanseniaspora-nectarophila</i>	0.23723
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Kluyveromyces-lactis</i>	16.3302 2
correl_spearman	copresence	<i>Hanseniaspora->Penicillium-spinulosum</i>	0.86460 3
correl_spearman	copresence	<i>Hanseniaspora->Botrytis</i>	0.91047 8
correl_spearman	copresence	<i>Erysiphe-necator->Leptobacillum-leptobactrum</i>	0.85300 7

dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Yamadazyma-triangularis</i>	17.4058 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium->Leuconostoc-mesenteroides</i>	17.7741 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Penicillium-spinulosum</i>	21.7743 5
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Acinetobacter-rhizosphaerae</i>	18.1291
correl_pearson	copresence	<i>Acinetobacter-rhizosphaerae->Acinetobacter2</i>	0.94745 2
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-sphaerospermum->Pseudomonas2</i>	16.6638 1
dist_kullbackleibler	mutualExclusion	<i>Candida-stellata->Yamadazyma-triangularis</i>	18.1654 2
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Lactobacillus-brevis</i>	21.8046 9
dist_kullbackleibler	mutualExclusion	<i>Mannheimia->Torulaspora-delbrueckii</i>	16.8043 2
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Lactobacillus-hamsteri</i>	18.5584 7
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-hamsteri->Candida-atlantica</i>	16.8305 6
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Staphylococcus-equorum</i>	18.9873 4
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Aureobasidium-pullulans</i>	20.7300 4
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Leuconostoc1</i>	16.4738 1
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Acinetobacter-uillouiae</i>	16.3270 9
dist_kullbackleibler	mutualExclusion	<i>Penicillium->Candida-atlantica</i>	17.9287 3
correl_spearman	mutualExclusion	<i>Lactobacillus-brevis->Kluyveromyces-marxianus</i>	-0.61354
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Candida-inconspicua</i>	16.5729 5
dist_bray	copresence	<i>Acinetobacter2->Acinetobacter-uillouiae</i>	0.23868 9
dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter-->Pediococcus</i>	19.5957 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-hamsteri->Macrococcus1</i>	17.3681 9
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Hanseniaspora-nectarophila</i>	18.8031 6
dist_kullbackleibler	mutualExclusion	<i>Meyerozyma-guilliermondii->Leuconostoc-mesenteroides</i>	16.1788 4
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Parengyodontium-album</i>	20.1229
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Enhydrobacter-</i>	17.4864
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Enterococcus</i>	19.3491 7

dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Stemphylium</i>	18.4704 5
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Hanseniaspora-nectarophila</i>	19.0062 6
dist_kullbackleibler	mutualExclusion	<i>Macrococcus->Kurthiaibsonii</i>	17.6347 5
dist_kullbackleibler	mutualExclusion	<i>Bifidobacteriaceae->Lactobacillus-brevis</i>	18.2104 6
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Sporobolomyces-roseus</i>	20.7345 6
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica->Chromohalobacter</i>	16.6192
dist_kullbackleibler	mutualExclusion	<i>Klebsiella->Trichosporon-asahii</i>	17.9552 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae->Candida-atlantica</i>	16.3312 9
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Stemphylium</i>	19.5058 3
dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter-->Penicillium-carneum</i>	24.288
dist_kullbackleibler	mutualExclusion	<i>Streptococcus-equi->Acinetobacter-uillouiae</i>	16.5914 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-hamsteri->Parengyodontium-album</i>	16.9509 8
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Sporobolomyces-roseus</i>	19.8226 9
dist_kullbackleibler	mutualExclusion	<i>Botrytis->Pediococcus</i>	18.1656
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Stemphylium</i>	22.8470 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Penicillium-spinulosum</i>	18.8843 1
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-sphaerospermum->Trichosporon-asahii</i>	18.8323 2
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Parengyodontium-album</i>	18.0829 2
dist_bray	copresence	<i>Hanseniaspora->Lachancea-thermotolerans</i>	0.23549 9
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Cutaneotrichosporon-curvatus</i>	16.8976
correl_spearman	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Alternaria-metachromatica</i>	-0.65244
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae->Weeksellaceae</i>	17.3203 7
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica->Saccharomyces</i>	17.6015 5
dist_kullbackleibler	mutualExclusion	<i>Macrococcus1->Candida-metapsilosis</i>	16.4791 9
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Penicillium-carneum</i>	24.0375 7
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Kurthiaibsonii</i>	19.0652 8
dist_kullbackleibler	mutualExclusion	<i>Corynebacterium-variabile->Lactobacillus-brevis</i>	20.1933

dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter-->Kazachstania-unispora</i>	18.7449 4
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Yamadazyma-triangularis</i>	17.3722 2
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Lactobacillus-helveticus</i>	19.4954 9
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Bacteroides</i>	17.6477 6
dist_kullbackleibler	mutualExclusion	<i>Enterococcus->Penicillium-carneum</i>	17.4168 4
correl_spearman	copresence	<i>Parengyodontium-album->Malassezia-restricta</i>	0.86935 6
dist_kullbackleibler	mutualExclusion	<i>Aureobasidium-pullulans->Issatchenkia-orientalis</i>	16.9774 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Alternaria-metachromatica</i>	18.4417 9
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Klebsiella</i>	16.3314 8
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Alternaria-metachromatica</i>	21.0485 2
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Lactobacillus-brevis</i>	17.3438 1
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae->Klebsiella</i>	16.4215 3
dist_kullbackleibler	mutualExclusion	<i>Alternaria-metachromatica->Penicillium-commune</i>	19.6057 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Acinetobacter-uillouiae</i>	21.2406 8
dist_bray	mutualExclusion	<i>Weeksellaceae->Lactobacillus-brevis</i>	1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Klebsiella</i>	21.9032 1
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Penicillium-carneum</i>	24.2413 7
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus->Yamadazyma-triangularis</i>	16.5199 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-hamsteri->Alternaria-alternata</i>	16.7318 2
correl_pearson	copresence	<i>Acinetobacter->Acinetobacter-rhizosphaerae</i>	0.95010 1
dist_bray	mutualExclusion	<i>Klebsiella->Pichia-mandshurica</i>	1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Kazachstania-unispora</i>	16.4197 2
correl_spearman	mutualExclusion	<i>Parengyodontium-album->Candida-inconspicua</i>	-0.62697
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Sporobolomyces-roseus</i>	17.1764 7
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginosa->Enterococcus</i>	17.0471 9
dist_kullbackleibler	mutualExclusion	<i>Aureobasidium-pullulans->Penicillium-commune</i>	20.4831 1

dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Alternaria-alternata</i>	16.7626 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Macrococcus1</i>	20.4758 7
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Stemphylium</i>	20.7620 4
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Weeksellaceae</i>	17.3064 3
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae->Torulaspora-delbrueckii</i>	20.9134 3
correl_spearman	copresence	<i>Leptobacillium-leptobactrum->Stemphylium</i>	0.86407 6
dist_kullbackleibler	mutualExclusion	<i>Naganishia->Hanseniaspora-nectarophila</i>	16.3624 3
dist_kullbackleibler	mutualExclusion	<i>Stemphylium->Candida-metapsilosis</i>	16.6095 6
dist_kullbackleibler	mutualExclusion	<i>Sporobolomyces-roseus->Lactobacillus-helveticus</i>	20.4830 2
dist_bray	mutualExclusion	<i>Naganishia-albida->Kurthiaibsonii</i>	1
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua->Penicillium-spinulosum</i>	16.3133 1
dist_bray	mutualExclusion	<i>Kurthiaibsonii->Lactobacillus-hamsteri</i>	1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Acinetobacter-rhizosphaerae</i>	22.2997 6
correl_pearson	copresence	<i>Acinetobacter2->Klebsiella</i>	0.95112 7
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Rhodotorula-mucilaginosa</i>	17.9689 5
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Alternaria-metachromatica</i>	18.6835 4
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Aureobasidium-pullulans</i>	21.6173 8
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Sporobolomyces-roseus</i>	24.5077 7
correl_pearson	copresence	<i>Acinetobacter-uillouiae->Acinetobacter2</i>	0.96225 9
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Lactobacillus-hamsteri</i>	18.3373 5
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Pseudomonas2</i>	17.4571 7
dist_kullbackleibler	mutualExclusion	<i>Alternaria-alternata->Lactobacillus</i>	17.1830 6
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Streptococcus-equi</i>	20.1841 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Alternaria-alternata</i>	19.9991 2
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Stemphylium</i>	17.8556 9
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Botryosphaeria-dothidea</i>	17.3540 9

dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Alternaria-metachromatica</i>	18.2672 9
dist_kullbackleibler	mutualExclusion	<i>Klebsiella->Lactobacillus</i>	21.1699 9
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Issatchenkia-orientalis</i>	17.8757 4
dist_kullbackleibler	mutualExclusion	<i>Malassezia-globosa->Yamadazyma-triangularis</i>	16.6001 3
correl_spearman	mutualExclusion	<i>Pseudomonas->Aureobasidium-pullulans</i>	-0.57586
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Lactobacillus-brevis</i>	20.0524 8
dist_kullbackleibler	mutualExclusion	<i>Naganishia->Botrytis</i>	16.5027 8
dist_kullbackleibler	mutualExclusion	<i>Botryosphaeria-dothidea->Pseudomonas2</i>	18.1713 8
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Macrococcus1</i>	17.1539 5
dist_bray	mutualExclusion	<i>Leuconostoc-mesenteroides->Rikenellaceae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum->Weeksellaceae</i>	18.3693 3
dist_kullbackleibler	mutualExclusion	<i>Botrytis->Cutaneotrichosporon-curvatus</i>	21.1550 8
dist_bray	mutualExclusion	<i>Acidovoraxfacilis->Candida-atlantica</i>	1
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-sphaerospermum->Naganishia</i>	17.0773 7
dist_kullbackleibler	mutualExclusion	<i>Aureobasidium-pullulans->Trichosporon-asahii</i>	20.1446 1
correl_spearman	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Hanseniaspora-nectarophila</i>	-0.62377
correl_spearman	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Erysiphe-necator</i>	-0.68331
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum->Lactobacillus-hamsteri</i>	16.6694 3
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-hamsteri->Botrytis</i>	18.8282 4
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Pseudomonas</i>	16.9398 9
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Acinetobacter-johnsonii</i>	16.9551 5
correl_spearman	copresence	<i>Leptobacillium-leptobactrum->Parengyodontium-album</i>	0.91942 2
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Aureobasidium-pullulans</i>	17.6138 8
dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter->Acinetobacter-rhizosphaerae</i>	16.6424 3
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Sporobolomyces-roseus</i>	16.9601 2
dist_bray	mutualExclusion	<i>Weeksellaceae->Enhydrobacter-</i>	1
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginoso->Candida-atlantica</i>	16.8076 7

dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Meyerozyma-guilliermondii</i>	18.0477
correl_spearman	copresence	<i>Hanseniaspora->Lachancea-thermotolerans</i>	0.831086
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Yamadazyma-triangularis</i>	19.75982
dist_bray	mutualExclusion	<i>Acinetobacter-uillouiae->Pichia-mandshurica</i>	1
dist_kullbackleibler	mutualExclusion	<i>Sporobolomyces-roseus->Leuconostoc1</i>	16.9834
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus->Erysiphe-necator</i>	17.03031
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Corynebacterium-variabile</i>	16.23789
dist_kullbackleibler	mutualExclusion	<i>Klebsiella->Candida-diddensiae</i>	16.85253
dist_kullbackleibler	mutualExclusion	<i>Alternaria-metachromatica->Lactobacillus</i>	18.1663
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae->Alternaria-alternata</i>	16.24824
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Enhydrobacter</i>	19.06513
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-tenuissimum->Yamadazyma-triangularis</i>	16.29436
dist_kullbackleibler	mutualExclusion	<i>Meyerozyma-guilliermondii->Torulaspora-delbrueckii</i>	20.36701
dist_kullbackleibler	mutualExclusion	<i>Botrytis->Candida-metapsilosis</i>	16.4991
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Pediococcus</i>	17.41118
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Mycosphaerella-tassiana</i>	19.30948
dist_bray	mutualExclusion	<i>Candida-atlantica->Pseudomonas2</i>	1
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae->Pichia-mandshurica</i>	16.98817
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Enhydrobacter-</i>	17.32909
dist_kullbackleibler	mutualExclusion	<i>Enterococcus->Penicillium-commune</i>	18.07368
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Kurthiaibsonii</i>	16.53992
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Chromohalobacter</i>	19.09328
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus->Parengyodontium-album</i>	-0.57169
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Pseudomonas2</i>	18.40785
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides->Naganishia</i>	17.22719
dist_kullbackleibler	mutualExclusion	<i>Naganishia->Parengyodontium-album</i>	17.50342
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Trichosporon-asahii</i>	17.06678

dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii</i> -> <i>Weeksellaceae</i>	20.5485 2
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum</i> -> <i>Erysiphe-necator</i>	25.0531 8
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter</i> -> <i>Acinetobacter-johnsonii</i>	17.8570 1
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora</i> -> <i>Aureobasidium-pullulans</i>	22.8095 8
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginosa</i> -> <i>Lactobacillus-brevis</i>	19.3494 4
dist_kullbackleibler	mutualExclusion	<i>Sporobolomyces-roseus</i> -> <i>Naganishia-albida</i>	17.8775 7
correl_pearson	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Hanseniaspora</i>	-0.43802
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida</i> -> <i>Torulaspora-delbrueckii</i>	21.5692 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium</i> -> <i>Yamadazyma-triangularis</i>	18.2996 6
dist_bray	mutualExclusion	<i>Enhydrobacter</i> --> <i>Pediococcus</i>	1
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis</i> -> <i>Erysiphe-necator</i>	16.4499 5
dist_kullbackleibler	mutualExclusion	<i>Stemphylium</i> -> <i>Lactobacillus-helveticus</i>	19.5014 1
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces</i> -> <i>Torulaspora-delbrueckii</i>	17.3860 7
dist_kullbackleibler	mutualExclusion	<i>Naganishia</i> -> <i>Enterococcus</i>	17.8318 6
dist_kullbackleibler	mutualExclusion	<i>Enterococcus</i> -> <i>Penicillium</i>	16.8087 5
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua</i> -> <i>Torulaspora-delbrueckii</i>	18.6097 3
dist_kullbackleibler	mutualExclusion	<i>Alternaria-metachromatica</i> -> <i>Candida-metapsilosis</i>	16.3529 9
dist_bray	copresence	<i>Acinetobacter2</i> -> <i>Klebsiella</i>	0.25305 2
dist_kullbackleibler	mutualExclusion	<i>Alternaria-alternata</i> -> <i>Kazachstania-unispora</i>	22.3237 1
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2</i> -> <i>Aureobasidium-pullulans</i>	20.0238 8
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae</i> -> <i>Penicillium-commune</i>	22.7141 8
dist_kullbackleibler	mutualExclusion	<i>Wickerhamomyces-anomalous</i> -> <i>Enterococcus</i>	16.1494 2
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-marxianus</i> -> <i>Lactobacillus-brevis</i>	19.3332 7
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Enhydrobacter</i>	18.55
dist_kullbackleibler	mutualExclusion	<i>Alternaria-alternata</i> -> <i>Cutaneotrichosporon-curvatus</i>	19.5651 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum</i> -> <i>Pseudomonas</i>	16.6956 6

dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii</i> -> <i>Kazachstania-unispora</i>	22.5821 2
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Erysiphe-necator</i>	21.9960 4
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus</i> -> <i>Botrytis</i>	18.2196 8
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum</i> -> <i>Cutaneotrichosporon-curvatus</i>	19.0292 2
correl_pearson	mutualExclusion	<i>Cutaneotrichosporon-curvatus</i> -> <i>Hanseniaspora-nectarophila</i>	-0.34374
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album</i> -> <i>Issatchenkia-orientalis</i>	17.9263 9
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-vineae</i> -> <i>Enterococcus</i>	18.2419 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis</i> -> <i>Candida-inconspicua</i>	20.2332 9
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae</i> -> <i>Lactobacillus-brevis</i>	20.0954 7
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis</i> -> <i>Erysiphe-necator</i>	16.5113
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila</i> -> <i>Kazachstania-unispora</i>	22.6050 3
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album</i> -> <i>Kazachstania-unispora</i>	22.2110 5
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora</i> -> <i>Kazachstania-unispora</i>	21.8705
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora</i> -> <i>Candida-metapsilosis</i>	17.9278 7
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae</i> -> <i>Pseudomonas2</i>	18.4329 2
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii</i> -> <i>Parengyodontium-album</i>	23.0699 7
dist_kullbackleibler	mutualExclusion	<i>Penicillium</i> -> <i>Torulaspora-delbrueckii</i>	19.0346 3
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii</i> -> <i>Pediococcus</i>	20.6897 7
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter</i> -> <i>Klebsiella</i>	17.2596 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum</i> -> <i>Kazachstania-unispora</i>	21.8964 9
dist_kullbackleibler	mutualExclusion	<i>Pediococcus</i> -> <i>Torulaspora-delbrueckii</i>	19.4725 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum</i> -> <i>Candida-metapsilosis</i>	16.9977 1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Botrytis</i>	21.7632 9
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii</i> -> <i>Filobasidium-unidentified</i>	16.2147
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces</i> -> <i>Cladosporium-sphaerospermum</i>	16.4757 2
dist_kullbackleibler	mutualExclusion	<i>Acidovoraxfacilis</i> -> <i>Candida-atlantica</i>	17.4660 7

dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii</i> -> <i>Penicillium-spinulosum</i>	17.9989 8
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida</i> -> <i>Erysiphe-necator</i>	16.8502 6
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas</i> -> <i>Lactobacillus-brevis</i>	19.2657
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum</i> -> <i>Pediococcus</i>	16.8505 9
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora</i> -> <i>Cladosporium-sphaerospermum</i>	20.7498 7
dist_kullbackleibler	mutualExclusion	<i>Aspergillus-westerdijkiae</i> -> <i>Yamadazyma-triangularis</i>	20.3525 6
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis</i> -> <i>Acidovoraxfacilis</i>	16.1560 4
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides</i> -> <i>Rhodotorula-mucilaginosa</i>	16.7933 5
correl_spearman	mutualExclusion	<i>Cutaneotrichosporon-curvatus</i> -> <i>Stemphylium</i>	-0.63817
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-hamsteri</i> -> <i>Erysiphe-necator</i>	16.9102 6
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified</i> -> <i>Leuconostoc-mesenteroides</i>	17.3194 1
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Hanseniaspora-nectarophila</i>	-0.6538
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter</i> -> <i>Stemphylium</i>	18.2522 8
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii</i> -> <i>Carnobacterium</i>	22.7046 5
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Erysiphe-necator</i>	-0.59086
dist_kullbackleibler	mutualExclusion	<i>Erysiphe-necator</i> -> <i>Lactobacillus-zeae</i>	17.0247 8
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2</i> -> <i>Sporobolomyces-roseus</i>	19.7796 9
correl_spearman	mutualExclusion	<i>Hanseniaspora</i> -> <i>Lactobacillus-helveticus</i>	-0.63655
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae</i> -> <i>Penicillium-commune</i>	18.8288
dist_kullbackleibler	mutualExclusion	<i>Enterococcus</i> -> <i>Carnobacterium</i>	17.8369
correl_pearson	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Stemphylium</i>	-0.38342
correl_pearson	copresence	<i>Acinetobacter</i> -> <i>Acinetobacter-uillouiae</i>	0.95110 7
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum</i> -> <i>Yamadazyma-triangularis</i>	21.1000 2
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis</i> -> <i>Naganishia-albida</i>	18.7045 5
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii</i> -> <i>Stemphylium</i>	19.3826 2
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica</i> -> <i>Kazachstania-unispora</i>	18.1308 9
dist_kullbackleibler	mutualExclusion	<i>Botrytis</i> -> <i>Issatchenkia-orientalis</i>	16.5898 9

dist_kullbackleibler	mutualExclusion	<i>Streptococcus-equi->Acinetobacter-rhizosphaerae</i>	18.8565
dist_kullbackleibler	mutualExclusion	<i>Pediococcus->Sporobolomyces-roseus</i>	16.85306
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Hanseniaspora-nectarophila</i>	17.91812
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae->Chromohalobacter</i>	17.06159
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Hanseniaspora</i>	19.54887
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum->Chromohalobacter</i>	19.97156
dist_bray	mutualExclusion	<i>Macrocococcus1->Lactobacillus-hamsteri</i>	1
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Kurthiaibsonii</i>	21.61111
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Lactobacillus-helveticus</i>	21.0936
dist_kullbackleibler	mutualExclusion	<i>Botryosphaeria-dothidea->Naganishia-albida</i>	16.16689
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-johnsonii->Lactobacillus</i>	17.30007
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-johnsonii->Penicillium-carneum</i>	20.36279
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Sporobolomyces-roseus</i>	20.68392
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Botryosphaeria-dothidea</i>	22.13064
dist_kullbackleibler	mutualExclusion	<i>Erysiphe-necator->Penicillium-commune</i>	21.77231
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Bacteroides</i>	16.63764
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Kluyveromyces-marxianus</i>	18.01668
dist_kullbackleibler	mutualExclusion	<i>Aureobasidium-pullulans->Naganishia-albida</i>	17.48915
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Naganishia-albida</i>	18.27476
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Torulaspora-delbrueckii</i>	19.98511
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Erysiphe-necator</i>	20.68909
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-delbrueckii->Klebsiella</i>	16.61223
dist_bray	copresence	<i>Acinetobacter2->Acinetobacter-johnsonii</i>	0.245093
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum->Leuconostoc-mesenteroides</i>	18.19106
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium->Lactobacillus-brevis</i>	20.15453
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides->Saccharomyces</i>	17.58842

dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii</i> -> <i>Lactobacillus</i>	19.6240 3
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus</i> -> <i>Acinetobacter-rhizosphaerae</i>	18.7643 1
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-johnsonii</i> -> <i>Kazachstania-unispora</i>	16.2946
dist_bray	mutualExclusion	<i>Lactobacillus-hamsteri</i> -> <i>Hanseniaspora</i>	1
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis</i> -> <i>Candida-diddensiae</i>	18.7589 4
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica</i> -> <i>Issatchenkia-orientalis</i>	16.3626 8
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus-equorum</i> -> <i>Lactobacillus-brevis</i>	19.8398
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium</i> -> <i>Penicillium-spinulosum</i>	16.9336 6
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2</i> -> <i>Macrococcus1</i>	17.1180 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus</i> -> <i>Acinetobacter-uillouiae</i>	17.3289 8
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum</i> -> <i>Alternaria-metachromatica</i>	21.4674 8
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2</i> -> <i>Erysiphe-necator</i>	20.4513 5
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus</i> -> <i>Alternaria-alternata</i>	-0.62384
dist_kullbackleibler	mutualExclusion	<i>Carnobacterium</i> -> <i>Enhydrobacter</i>	18.8821 5
correl_spearman	copresence	<i>Botryosphaeria-dothidea</i> -> <i>Leptobacillium-leptobactrum</i>	0.82602 1
dist_bray	mutualExclusion	<i>Candida-atlantica</i> -> <i>Lactobacillus-hamsteri</i>	1
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae</i> -> <i>Macrococcus1</i>	16.4478 1
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter</i> -> <i>Kurthiaibsonii</i>	16.7227 6
dist_kullbackleibler	mutualExclusion	<i>Botrytis</i> -> <i>Penicillium-commune</i>	21.9949 5
dist_kullbackleibler	mutualExclusion	<i>Naganishia</i> -> <i>Yamadazyma-triangularis</i>	19.7592 3
dist_bray	mutualExclusion	<i>Lactobacillus-brevis</i> -> <i>Pseudomonas2</i>	1
dist_kullbackleibler	mutualExclusion	<i>Naganishia</i> -> <i>Candida-atlantica</i>	18.2284 4
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica</i> -> <i>Aspergillus-westerdijkiae</i>	17.1236 6
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii</i> -> <i>Candida-atlantica</i>	17.6183 2
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii</i> -> <i>Yamadazyma-triangularis</i>	16.5371 8
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae</i> -> <i>Kazachstania-unispora</i>	16.2504 6

dist_kullbackleibler	mutualExclusion	<i>Alternaria-alternata->Naganishia-albida</i>	19.0261 9
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Cutaneotrichosporon-curvatus</i>	19.7925 9
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas->Hanseniaspora-nectarophila</i>	16.4817 3
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Botrytis</i>	19.6616 9
correl_spearman	copresence	<i>Stemphylium->Lachancea-thermotolerans</i>	0.83443 9
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae->Cutaneotrichosporon-curvatus</i>	17.0792 9
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Kocuria</i>	18.3173 5
dist_bray	mutualExclusion	<i>Botryosphaeria-dothidea->Pseudomonas2</i>	1
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified->Lactobacillus-brevis</i>	18.0110 2
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Alternaria-metachromatica</i>	16.2679 6
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Pichia-mandshurica</i>	16.6831 7
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Trichosporon-asahii</i>	18.7101 3
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Penicillium-spinulosum</i>	19.5346
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Candida-magnoliae</i>	16.9577 8
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Botrytis</i>	19.6994 7
dist_kullbackleibler	mutualExclusion	<i>Botryosphaeria-dothidea->Carnobacterium</i>	16.1436
dist_kullbackleibler	mutualExclusion	<i>Candida-inconspicua->Erysiphe-necator</i>	16.1747 3
dist_bray	mutualExclusion	<i>Aspergillus-westerdijkiae->Torulaspora-delbrueckii</i>	1
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica->Penicillium-carneum</i>	19.4472
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica->Cutaneotrichosporon-curvatus</i>	16.1906 9
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Aureobasidium-pullulans</i>	20.7767
dist_bray	mutualExclusion	<i>Candida-atlantica->Naganishia</i>	1
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Penicillium-commune</i>	24.1752 8
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Issatchenkia-orientalis</i>	16.4040 3
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Lactobacillus-brevis</i>	19.7622 2
dist_kullbackleibler	mutualExclusion	<i>Candida-atlantica->Lactobacillus-delbrueckii</i>	16.6219 7
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Lactobacillus-zeae</i>	19.3409 5

dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila- >Lactobacillus-hamsteri</i>	17.2077 8
dist_kullbackleibler	mutualExclusion	<i>Macrococcus1->Lactobacillus-delbrueckii</i>	16.7404 5
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Candida-atlantica</i>	18.9986 1
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Botrytis</i>	16.6761 1
dist_bray	mutualExclusion	<i>Enhydrobacter-->Penicillium-carneum</i>	1
correl_pearson	mutualExclusion	<i>Lactobacillus-helveticus- >Hanseniaspora-nectarophila</i>	-0.44295
correl_pearson	mutualExclusion	<i>Lactobacillus-helveticus- >Botryosphaeria-dothidea</i>	-0.37964
dist_kullbackleibler	mutualExclusion	<i>Erysiphe-necator->Trichosporon-asahii</i>	20.2696
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides- >Rikenellaceae</i>	17.0658 4
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Hanseniaspora- nectarophila</i>	17.0841 7
dist_bray	mutualExclusion	<i>Kazachstania-unispora->Kurthiaibsonii</i>	1
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Sporobolomyces- roseus</i>	17.664
dist_bray	mutualExclusion	<i>Naganishia-albida->Enhydrobacter-</i>	1
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Sporobolomyces- roseus</i>	18.9540 4
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Hanseniaspora- nectarophila</i>	17.2561 9
dist_kullbackleibler	mutualExclusion	<i>Klebsiella->Penicillium-carneum</i>	21.2912 7
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus- >Aureobasidium-pullulans</i>	-0.66983
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Klebsiella</i>	19.9368 1
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Candida-inconspicua</i>	16.2111 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Kurthiaibsonii</i>	22.8437 9
dist_bray	mutualExclusion	<i>Weeksellaceae->Kurthiaibsonii</i>	1
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Acinetobacter- uillouiae</i>	18.4418 2
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Parengyodontium- album</i>	20.9336 6
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-johnsonii- >Pseudomonas2</i>	16.2117 8
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas->Torulaspora-delbrueckii</i>	21.0144 9
correl_spearman	mutualExclusion	<i>Penicillium-spinulosum->Lactobacillus- helveticus</i>	-0.69584
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii- >Staphylococcus-equorum</i>	22.0376 1

dist_kullbackleibler	mutualExclusion	<i>Erysiphe-necator->Weeksellaceae</i>	17.2834 3
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Torulaspora-delbrueckii</i>	19.8793 9
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus2->Lactobacillus-brevis</i>	16.1417 9
dist_kullbackleibler	mutualExclusion	<i>Macrococcus1->Penicillium-commune</i>	18.8569 2
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Naganishia-albida</i>	20.3895 3
dist_kullbackleibler	mutualExclusion	<i>Alternaria-metachromatica->Pseudomonas2</i>	18.2713 6
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Chromohalobacter</i>	19.7688 3
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Enhydrobacter-</i>	19.0432 4
dist_kullbackleibler	mutualExclusion	<i>Macrococcus1->Naganishia</i>	17.5204 3
correl_spearman	mutualExclusion	<i>Pseudomonas->Penicillium-spinulosum</i>	-0.57465
dist_kullbackleibler	mutualExclusion	<i>Rhodotorula-mucilaginosa->Yamadazyma-triangularis</i>	21.9156
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Botrytis</i>	17.9570 2
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Weeksellaceae</i>	19.7787 5
dist_kullbackleibler	mutualExclusion	<i>Botryosphaeria-dothidea->Chromohalobacter</i>	16.3148 3
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Penicillium-commune</i>	17.0539 9
dist_kullbackleibler	mutualExclusion	<i>Chromohalobacter->Cladosporium-sphaerospermum</i>	17.8914 2
dist_kullbackleibler	mutualExclusion	<i>Aureobasidium-pullulans->Chromohalobacter</i>	20.6303 3
dist_bray	mutualExclusion	<i>Enhydrobacter-->Lactobacillus-hamsteri</i>	1
dist_kullbackleibler	mutualExclusion	<i>Klebsiella->Rikenellaceae</i>	17.3875
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Leptobacillum-leptobactrum</i>	17.9379 9
dist_kullbackleibler	mutualExclusion	<i>Alternaria-alternata->Pseudomonas2</i>	20.0288 5
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Pseudomonas2</i>	21.3595 1
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Lactobacillus-brevis</i>	19.6081
dist_bray	copresence	<i>Hanseniaspora->Candida-stellata</i>	0.23882 1
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Aureobasidium-pullulans</i>	16.8301 9
dist_kullbackleibler	mutualExclusion	<i>Botrytis->Lactobacillus-zeae</i>	16.8782 7
dist_bray	copresence	<i>Cladosporium-tenuissimum->Aureobasidium-pullulans</i>	0.23327 3

correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus->Stemphylium</i>	-0.6459
dist_kullbackleibler	mutualExclusion	<i>Candida-diddensiae->Kurthiaibsonii</i>	16.7207 4
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Lactobacillus-helveticus</i>	16.2100 9
dist_kullbackleibler	mutualExclusion	<i>Saccharomyces->Yamadazyma-triangularis</i>	16.3438 6
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-zeae->Aureobasidium-pullulans</i>	16.5285 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Candida-atlantica</i>	16.8322 8
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Candida-inconspicua</i>	19.3877 9
dist_bray	mutualExclusion	<i>Botrytis->Lactobacillus-hamsteri</i>	1
dist_kullbackleibler	mutualExclusion	<i>Pichia-mandshurica->Klebsiella</i>	18.6718 3
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Enterococcus</i>	16.5255 8
correl_spearman	copresence	<i>Malassezia-restricta->Alternaria-alternata</i>	0.83025 7
dist_kullbackleibler	mutualExclusion	<i>Leuconostoc-mesenteroides->Penicillium-carneum</i>	19.5102
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae->Naganishia-albida</i>	19.0420 1
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Hanseniaspora</i>	23.221
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Erysiphe-necator</i>	22.9242 6
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Lachancea-thermotolerans</i>	19.7282 9
correl_spearman	copresence	<i>Hanseniaspora->Aspergillus</i>	0.83236 6
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Alternaria-alternata</i>	16.8534 7
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Naganishia</i>	18.7431
dist_kullbackleibler	mutualExclusion	<i>Enterococcus->Staphylococcus-equorum</i>	18.7237 2
correl_pearson	copresence	<i>Acinetobacter-johnsonii->Acinetobacter2</i>	0.95804 3
dist_kullbackleibler	mutualExclusion	<i>Naganishia-albida->Alternaria-metachromatica</i>	19.2172 2
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Lactobacillus-hamsteri</i>	17.8142 9
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Parengyodontium-album</i>	20.2112 3
dist_kullbackleibler	mutualExclusion	<i>Macroccoccus1->Trichosporon-asahii</i>	18.3054
dist_bray	mutualExclusion	<i>Weeksellaceae->Sporobolomyces-roseus</i>	1
dist_bray	mutualExclusion	<i>Weeksellaceae->Acinetobacter-rhizosphaerae</i>	1
dist_kullbackleibler	mutualExclusion	<i>Candida-metapsilosis->Cladosporium-sphaerospermum</i>	17.7142 9

dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-helveticus->Penicillium-spinulosum</i>	22.4218
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Cutaneotrichosporon-curvatus</i>	21.4566
dist_kullbackleibler	mutualExclusion	<i>Filobasidium-unidentified->Yamadazyma-triangularis</i>	18.6216 3
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-rhizosphaerae->Kazachstania-unispora</i>	21.5192 5
dist_kullbackleibler	mutualExclusion	<i>Cladosporium-sphaerospermum->Lactobacillus</i>	17.831
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Enhydrobacter-</i>	18.0086 7
dist_kullbackleibler	mutualExclusion	<i>Trichosporon-asahii->Botrytis</i>	19.3759 9
dist_kullbackleibler	mutualExclusion	<i>Penicillium-spinulosum->Issatchenkia-orientalis</i>	16.4564 8
dist_kullbackleibler	mutualExclusion	<i>Acinetobacter-uillouiae->Pediococcus</i>	18.1083 5
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus->Candida-atlantica</i>	19.2075 2
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Acinetobacter-johnsonii</i>	21.4647
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis->Acidovoraxfacilis</i>	16.2404 4
dist_kullbackleibler	mutualExclusion	<i>Torulaspora-delbrueckii->Aspergillus-westerdijkiae</i>	22.4418 9
dist_kullbackleibler	mutualExclusion	<i>Pseudomonas2->Yamadazyma-triangularis</i>	17.2660 1
dist_kullbackleibler	mutualExclusion	<i>Wickerhamomyces-anomalous->Yamadazyma-triangularis</i>	20.0761 1
dist_kullbackleibler	mutualExclusion	<i>Kazachstania-unispora->Botryosphaeria-dothidea</i>	17.8945 9
dist_kullbackleibler	mutualExclusion	<i>Enterococcus->Aspergillus-westerdijkiae</i>	19.2912 5
dist_kullbackleibler	mutualExclusion	<i>Kurthiaibsonii->Carnobacterium</i>	16.1498 4
dist_kullbackleibler	mutualExclusion	<i>Weeksellaceae->Stemphylium</i>	16.2709 6
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Parengyodontium-album</i>	21.3846 5
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Alternaria-alternata</i>	20.7349 1
dist_kullbackleibler	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Erysiphe-necator</i>	20.9003 8
dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter-->Lactobacillus-hamsteri</i>	16.8325 2
dist_kullbackleibler	mutualExclusion	<i>Penicillium-carneum->Alternaria-alternata</i>	23.1431 4
dist_kullbackleibler	mutualExclusion	<i>Enhydrobacter-->Naganishia-albida</i>	20.1057 5

dist_kullbackleibler	mutualExclusion	<i>Botrytis->Penicillium-carneum</i>	23.7063 1
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora->Pediococcus</i>	16.6027 3
dist_kullbackleibler	mutualExclusion	<i>Alternaria-metachromatica->Cutaneotrichosporon-curvatus</i>	19.8724 7
dist_bray	mutualExclusion	<i>Pseudomonas2->Sporobolomyces-roseus</i>	1
dist_kullbackleibler	mutualExclusion	<i>Alternaria-alternata->Weeksellaceae</i>	17.0655 1
correl_spearman	mutualExclusion	<i>Cutaneotrichosporon-curvatus->Parengyodontium-album</i>	-0.61776
dist_kullbackleibler	mutualExclusion	<i>Mannheimia->Yamadazyma-triangularis</i>	16.5802
dist_kullbackleibler	mutualExclusion	<i>Macrococcus->Yamadazyma-triangularis</i>	16.9015 4
dist_kullbackleibler	mutualExclusion	<i>Yamadazyma-triangularis->Leuconostoc</i>	16.6482 6
dist_kullbackleibler	mutualExclusion	<i>Botrytis->Kazachstania-unispora</i>	22.2606 8
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Trichosporon-asahii</i>	18.1498 8
dist_kullbackleibler	mutualExclusion	<i>Parengyodontium-album->Cutaneotrichosporon-curvatus</i>	19.8600 3
correl_spearman	mutualExclusion	<i>Lactobacillus-helveticus->Botrytis</i>	-0.62894

Table S7. Identified interactions between microbes in Cypriot cheeses in the co-occurrence network.

Cooccurrence_method	Interaction Type	Interacting Microbes	weight
correl_spearman	mutualExclusion	<i>Hanseniaspora-nectarophila->Lactococcus</i>	-0.70454545
dist_kullbackleibler	mutualExclusion	<i>Kluyveromyces-marxianus->Candida-zeylanoides</i>	15.24789698
dist_bray	copresence	<i>Saccharomyces-paradoxus->Streptococcus--</i>	0.29653374
correl_spearman	copresence	<i>Leuconostocaceae2->Staphylococcus-equorum</i>	0.69792921
dist_kullbackleibler	copresence	<i>Saccharomyces-paradoxus->Streptococcus--</i>	1.52466395
dist_kullbackleibler	copresence	<i>Lactobacillus-brevis->Mycoplasma</i>	1.1778964
dist_bray	mutualExclusion	<i>Lactobacillus-helveticus->Lactobacillus</i>	0.97470171

dist_bray	mutualExclusion	<i>Penicillium-carneum->Penicillium</i>	0.93305192
correl_pearson	mutualExclusion	<i>Penicillium->Pseudomonas</i>	-0.72711059
correl_spearman	copresence	<i>Lactobacillus-helveticus->Streptococcus--</i>	0.83557275
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora-nectarophila->Lactococcus</i>	15.1720763
correl_spearman	copresence	<i>Malassezia-restricta->Hanseniaspora-nectarophila</i>	0.8
correl_spearman	copresence	<i>Malassezia-restricta->Lactobacillus-delbrueckii</i>	0.80075722
correl_spearman	copresence	<i>Debaryomyces-hansenii->Lactococcus</i>	0.80075722
correl_pearson	mutualExclusion	<i>Penicillium-carneum->Malassezia-restricta</i>	-0.4610206
correl_spearman	mutualExclusion	<i>Kluyveromyces-marxianus->Candida-zeilanoidea</i>	-0.64705882
dist_bray	mutualExclusion	<i>Lactococcus->Penicillium-commune</i>	0.93959456
correl_spearman	mutualExclusion	<i>Streptococcus--->Leuconostocaceae2</i>	-0.51046472
correl_pearson	copresence	<i>Staphylococcus-equorum->Lactobacillus-brevis</i>	0.90168506
dist_bray	copresence	<i>Lactobacillus-delbrueckii->Penicillium</i>	0.26518425
correl_pearson	copresence	<i>Lactobacillus-delbrueckii->Penicillium</i>	0.79710067
dist_kullbackleibler	copresence	<i>Lactobacillus-zeae->Staphylococcus-equorum</i>	1.13275599
correl_spearman	mutualExclusion	<i>Penicillium-carneum->Hanseniaspora</i>	-0.50460264

correl_pearson	mutualExclusion	<i>Pseudomonas- >Hanseniaspora</i>	-0.69455355
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus- >Penicillium- commune</i>	12.20891527
dist_bray	mutualExclusion	<i>Candida- zeylanoides- >Lactobacillus- helveticus</i>	0.9007962
correl_pearson	copresence	<i>Candida- parapsilosis- >Malassezia- restricta</i>	0.73818476
dist_kullbackleibler	mutualExclusion	<i>Staphylococcus- equorum- >Lactobacillus- helveticus</i>	15.2321259
dist_bray	copresence	<i>Penicillium- commune- >Penicillium- carneum</i>	0.40363456
dist_kullbackleibler	copresence	<i>Lactobacillus- delbrueckii- >Penicillium</i>	0.81346988
correl_spearman	copresence	<i>Hanseniaspora- >Penicillium</i>	0.94545455
dist_bray	copresence	<i>Penicillium- >Malassezia- restricta</i>	0.23374388
dist_bray	mutualExclusion	<i>Lactobacillus- >Penicillium- commune</i>	0.90437156
dist_bray	mutualExclusion	<i>Lactobacillaceae-- >Lactobacillus- helveticus</i>	0.94662669
correl_pearson	mutualExclusion	<i>Pseudomonas- >Lactobacillus- brevis</i>	-0.63784598
dist_bray	mutualExclusion	<i>Staphylococcus- equorum- >Lactobacillus- helveticus</i>	0.95647934
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora- nectarophila- >Lactobacillus</i>	14.63844047
correl_pearson	mutualExclusion	<i>Debaryomyces- hansenii- >Penicillium</i>	-0.53187761
correl_spearman	mutualExclusion	<i>Hanseniaspora- nectarophila- >Penicillium- carneum</i>	-0.59312942

correl_pearson	copresence	<i>Lactobacillaceae-->Lactobacillus</i>	0.99469198
correl_spearman	copresence	<i>Lactobacillus-zeae->Staphylococcus-equorum</i>	0.89843414
correl_pearson	mutualExclusion	<i>Pseudomonas->Lactobacillus-zeae</i>	-0.50690995
dist_kullbackleibler	mutualExclusion	<i>Issatchenkia-orientalis->Candida-zealandoides</i>	16.13834303
dist_bray	copresence	<i>Lactobacillaceae-->Lactobacillus</i>	0.13584518
correl_spearman	copresence	<i>Lactobacillaceae-->Lactococcus</i>	0.7572378
correl_spearman	mutualExclusion	<i>Staphylococcus-equorum->Lactobacillus-helveticus</i>	-0.67280352
correl_pearson	mutualExclusion	<i>Malassezia-restricta->Debaryomyces-hansenii</i>	-0.63627649
correl_pearson	copresence	<i>Streptococcus--->Pseudomonas</i>	0.78545768
dist_kullbackleibler	copresence	<i>Debaryomyces-hansenii->Lactobacillaceae-</i>	1.60899274
correl_pearson	copresence	<i>Debaryomyces-hansenii->Lactococcus</i>	0.70877117
correl_spearman	copresence	<i>Lactobacillus-zeae->Lactobacillus</i>	0.70501451
dist_bray	mutualExclusion	<i>Lactococcus->Malassezia-restricta</i>	0.92584245
dist_bray	copresence	<i>Malassezia-restricta->Hanseniaspora-nectarophila</i>	0.28278045
dist_kullbackleibler	copresence	<i>Lactobacillaceae-->Lactococcus</i>	1.17083299
correl_spearman	copresence	<i>Hanseniaspora->Lactobacillus-delbrueckii</i>	0.94001934
dist_bray	mutualExclusion	<i>Hanseniaspora-nectarophila->Lactococcus</i>	0.92584245
dist_bray	mutualExclusion	<i>Lactobacillus-brevis->Penicillium-carneum</i>	0.94318417

dist_kullbackleibler	copresence	<i>Penicillium- >Malassezia- restricta</i>	0.38456587
correl_spearman	mutualExclusion	<i>Lactococcus- >Lactobacillus- delbrueckii</i>	-0.7572378
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora- nectarophila- >Lactobacillaceae-</i>	12.23547414
dist_bray	mutualExclusion	<i>Issatchenkia- orientalis->Candida- zeylanoides</i>	0.92223915
dist_kullbackleibler	copresence	<i>Debaryomyces- hansenii- >Streptococcus--</i>	0.47186974
dist_bray	mutualExclusion	<i>Lactobacillus- helveticus- >Issatchenkia- orientalis</i>	0.91678767
correl_pearson	mutualExclusion	<i>Lactococcus- >Lactobacillus- delbrueckii</i>	-0.47176739
dist_bray	copresence	<i>Leuconostocaceae2- >Staphylococcus- equorum</i>	0.20033033
dist_bray	copresence	<i>Mycoplasma- >Hanseniaspora</i>	0.40813366
correl_pearson	mutualExclusion	<i>Lactobacillus-brevis- >Streptococcus--</i>	-0.75268694
dist_bray	mutualExclusion	<i>Lactococcus- >Hanseniaspora</i>	0.93546813
correl_spearman	mutualExclusion	<i>Lactobacillus- >Candida- parapsilosis</i>	-0.67280352
dist_bray	mutualExclusion	<i>Lactobacillus-brevis- >Lactobacillus- helveticus</i>	0.91029962
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora- >Lactobacillus</i>	13.14278744
dist_bray	copresence	<i>Streptococcus--- >Pseudomonas</i>	0.27395854
dist_kullbackleibler	copresence	<i>Staphylococcus- equorum- >Lactobacillaceae-</i>	1.3249554
dist_bray	mutualExclusion	<i>Penicillium- >Lactococcus</i>	0.93049025
dist_bray	copresence	<i>Lactobacillus- delbrueckii- >Hanseniaspora- nectarophila</i>	0.32669665

dist_kullbackleibler	mutualExclusion	<i>Lactobacillus-brevis- >Lactobacillus- helveticus</i>	12.67230528
correl_pearson	copresence	<i>Lactobacillaceae-- >Lactococcus</i>	0.7590011
correl_pearson	mutualExclusion	<i>Pseudomonas- >Mycoplasma</i>	-0.46181727
correl_pearson	mutualExclusion	<i>Streptococcus--- >Leuconostocaceae2</i>	-0.78614749
correl_spearman	mutualExclusion	<i>Debaryomyces- hansenii- >Penicillium</i>	-0.5048252
correl_spearman	mutualExclusion	<i>Penicillium- >Lactococcus</i>	-0.55909091
correl_pearson	copresence	<i>Penicillium- commune- >Penicillium- carneum</i>	0.78975403
correl_pearson	copresence	<i>Hanseniaspora- >Lactobacillus- delbrueckii</i>	0.70263437
dist_kullbackleibler	mutualExclusion	<i>Penicillium- >Lactococcus</i>	12.35634664
correl_spearman	copresence	<i>Lactobacillaceae-- >Lactobacillus</i>	0.82686887
dist_bray	copresence	<i>Staphylococcus- equorum- >Lactobacillus- brevis</i>	0.24284369
dist_bray	copresence	<i>Hanseniaspora- >Penicillium</i>	0.22878503
correl_spearman	mutualExclusion	<i>Hanseniaspora- nectarophila- >Lactobacillus</i>	-0.49545455
correl_pearson	mutualExclusion	<i>Lactobacillus- helveticus- >Lactobacillus-zeae</i>	-0.45760967
correl_pearson	mutualExclusion	<i>Hanseniaspora- nectarophila- >Lactococcus</i>	-0.54664906
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora- nectarophila- >Penicillium- commune</i>	15.71610129
dist_kullbackleibler	copresence	<i>Lactobacillus- delbrueckii- >Hanseniaspora- nectarophila</i>	1.16825564
dist_bray	mutualExclusion	<i>Penicillium- commune- >Issatchenkia- orientalis</i>	0.91633967

correl_pearson	copresence	<i>Lactococcus- >Lactobacillus</i>	0.74293151
dist_bray	copresence	<i>Debaryomyces- hansenii- >Pseudomonas</i>	0.40732754
correl_pearson	mutualExclusion	<i>Lactococcus- >Malassezia- restricta</i>	-0.50271234
dist_kullbackleibler	copresence	<i>Streptococcus--- >Pseudomonas</i>	1.28903766
correl_pearson	mutualExclusion	<i>Pseudomonas- >Leuconostocaceae2</i>	-0.63005015
correl_spearman	copresence	<i>Lactobacillus- delbrueckii- >Hanseniaspora- nectarophila</i>	0.81816498
correl_pearson	mutualExclusion	<i>Penicillium- >Lactococcus</i>	-0.4953524
correl_spearman	copresence	<i>Mycoplasma- >Kluyveromyces- marxianus</i>	0.76601987
correl_pearson	mutualExclusion	<i>Pseudomonas- >Lactobacillus- delbrueckii</i>	-0.5631326
dist_bray	mutualExclusion	<i>Penicillium- carneum- >Malassezia- restricta</i>	0.9048189
correl_spearman	copresence	<i>Penicillium- >Malassezia- restricta</i>	0.87272727
correl_spearman	mutualExclusion	<i>Lactobacillus- helveticus- >Lactobacillus</i>	-0.52272727
correl_pearson	mutualExclusion	<i>Staphylococcus- equorum- >Streptococcus--</i>	-0.77002716
correl_pearson	copresence	<i>Lactobacillus-zeae- >Leuconostocaceae2</i>	0.71901195
dist_kullbackleibler	mutualExclusion	<i>Lactococcus- >Hanseniaspora</i>	14.96376663
correl_pearson	copresence	<i>Lactobacillus- helveticus- >Streptococcus--</i>	0.69098907
correl_spearman	mutualExclusion	<i>Lactobacillaceae-- >Lactobacillus- delbrueckii</i>	-0.51666667
dist_bray	mutualExclusion	<i>Candida- zeylanoides- >Lactobacillus- brevis</i>	0.89879477

dist_bray	copresence	<i>Mycoplasma- >Leuconostocaceae2</i>	0.19321637
correl_spearman	mutualExclusion	<i>Staphylococcus- equorum- >Streptococcus--</i>	-0.66111192
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus- helveticus- >Hanseniaspora</i>	12.820631
correl_spearman	mutualExclusion	<i>Penicillium- >Pseudomonas</i>	-0.51345532
correl_spearman	mutualExclusion	<i>Lactobacillus-brevis- >Streptococcus--</i>	-0.53093685
correl_spearman	copresence	<i>Hanseniaspora- >Malassezia- restricta</i>	0.85454545
dist_bray	copresence	<i>Leuconostocaceae2- >Lactobacillus- brevis</i>	0.08027394
dist_kullbackleibler	mutualExclusion	<i>Lactococcus- >Penicillium- commune</i>	15.2962946
correl_pearson	mutualExclusion	<i>Hanseniaspora- nectarophila- >Penicillium- carneum</i>	-0.47057452
correl_spearman	copresence	<i>Lactobacillus-zeae- >Leuconostocaceae2</i>	0.68619848
correl_spearman	copresence	<i>Staphylococcus- equorum- >Lactobacillaceae-</i>	0.83062779
correl_spearman	copresence	<i>Debaryomyces- hansenii- >Lactobacillaceae-</i>	0.66666667
dist_kullbackleibler	copresence	<i>Staphylococcus- equorum- >Lactobacillus- brevis</i>	0.94904241
correl_pearson	copresence	<i>Lactobacillus-brevis- >Mycoplasma</i>	0.9526956
dist_kullbackleibler	mutualExclusion	<i>Penicillium- carneum- >Hanseniaspora</i>	14.57738619
dist_bray	mutualExclusion	<i>Lactobacillus- >Candida- parapsilosis</i>	0.925499
correl_pearson	copresence	<i>Debaryomyces- hansenii- >Lactobacillaceae-</i>	0.72261524
dist_bray	copresence	<i>Lactobacillus-zeae- >Staphylococcus- equorum</i>	0.35313418

correl_spearman	copresence	<i>Staphylococcus-equorum->Lactobacillus</i>	0.69936155
correl_spearman	mutualExclusion	<i>Malassezia-restricta->Debaryomyces-hansenii</i>	-0.62667956
correl_spearman	mutualExclusion	<i>Lactococcus->Hanseniaspora</i>	-0.62272727
dist_kullbackleibler	mutualExclusion	<i>Mycoplasma->Candida-zeilanoideis</i>	12.52308384
correl_pearson	copresence	<i>Staphylococcus-equorum->Mycoplasma</i>	0.86494591
dist_bray	mutualExclusion	<i>Penicillium-carneum->Hanseniaspora</i>	0.9380298
correl_pearson	mutualExclusion	<i>Debaryomyces-hansenii->Hanseniaspora-nectarophila</i>	-0.60008835
correl_spearman	mutualExclusion	<i>Debaryomyces-hansenii->Lactobacillus-delbrueckii</i>	-0.58333333
dist_kullbackleibler	mutualExclusion	<i>Leuconostocaceae2->Lactobacillus-helveticus</i>	13.47126651
dist_kullbackleibler	copresence	<i>Hanseniaspora->Lactobacillus-delbrueckii</i>	1.09252785
correl_pearson	copresence	<i>Lactobacillus->Debaryomyces-hansenii</i>	0.71821462
correl_spearman	copresence	<i>Lactobacillaceae-->Lactobacillus-zeae</i>	0.83333333
correl_pearson	copresence	<i>Lactobacillus-delbrueckii->Hanseniaspora-nectarophila</i>	0.69629743
dist_kullbackleibler	mutualExclusion	<i>Penicillium-commune->Candida-zeilanoideis</i>	13.31456245
dist_bray	copresence	<i>Debaryomyces-hansenii->Streptococcus--</i>	0.25492358
dist_bray	mutualExclusion	<i>Lactobacillus-helveticus->Lactobacillus-zeae</i>	0.97635856

dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora- >Penicillium- commune</i>	13.84412247
correl_spearman	mutualExclusion	<i>Issatchenkia- orientalis->Candida- zeylanoides</i>	-0.6302521
correl_pearson	copresence	<i>Leuconostocaceae2- >Lactobacillus- brevis</i>	0.98890923
dist_bray	mutualExclusion	<i>Leuconostocaceae2- >Lactobacillus- helveticus</i>	0.96143165
dist_kullbackleibler	copresence	<i>Penicillium- >Hanseniaspora- nectarophila</i>	0.69771379
dist_kullbackleibler	copresence	<i>Lactobacillaceae-- >Lactobacillus</i>	0.27475626
correl_pearson	mutualExclusion	<i>Pseudomonas- >Staphylococcus- equorum</i>	-0.54228474
correl_pearson	mutualExclusion	<i>Staphylococcus- equorum- >Lactobacillus- helveticus</i>	-0.4582689
dist_kullbackleibler	copresence	<i>Malassezia- restricta- >Hanseniaspora- nectarophila</i>	0.66572075
correl_pearson	mutualExclusion	<i>Streptococcus--- >Lactobacillus-zeae</i>	-0.66347592
correl_spearman	copresence	<i>Penicillium- >Hanseniaspora- nectarophila</i>	0.81818182
correl_pearson	mutualExclusion	<i>Hanseniaspora- >Debaryomyces- hansenii</i>	-0.50052222
correl_spearman	mutualExclusion	<i>Debaryomyces- hansenii- >Hanseniaspora- nectarophila</i>	-0.57445626
correl_pearson	mutualExclusion	<i>Lactococcus- >Hanseniaspora</i>	-0.51475312
dist_bray	copresence	<i>Lactobacillus-zeae- >Leuconostocaceae2</i>	0.32890764
correl_spearman	copresence	<i>Lactobacillus- delbrueckii- >Penicillium</i>	0.94001934
correl_pearson	copresence	<i>Lactobacillus-brevis- >Lactobacillus-zeae</i>	0.71033026
dist_kullbackleibler	mutualExclusion	<i>Lactobacillus- helveticus- >Lactobacillus</i>	14.93181664

correl_pearson	mutualExclusion	<i>Streptococcus</i> --- > <i>Mycoplasma</i>	-0.64873346
dist_bray	copresence	<i>Penicillium</i> - > <i>Hanseniaspora</i> - <i>nectarophila</i>	0.29338074
dist_kullbackleibler	mutualExclusion	<i>Penicillium</i> - > <i>Lactobacillus</i> - <i>helveticus</i>	12.10577452
dist_kullbackleibler	copresence	<i>Malassezia</i> - <i>restricta</i> - > <i>Lactobacillus</i> - <i>delbrueckii</i>	1.34979225
dist_kullbackleibler	copresence	<i>Leuconostocaceae</i> 2- > <i>Staphylococcus</i> - <i>equorum</i>	0.54201949
dist_bray	copresence	<i>Lactobacillus</i> - <i>brevis</i> - > <i>Lactobacillus</i> - <i>zeae</i>	0.33965697
correl_pearson	copresence	<i>Mycoplasma</i> - > <i>Leuconostocaceae</i> 2	0.93914167
dist_kullbackleibler	mutualExclusion	<i>Hanseniaspora</i> - <i>nectarophila</i> - > <i>Penicillium</i> - <i>carneum</i>	15.84629174
correl_spearman	mutualExclusion	<i>Pseudomonas</i> - > <i>Hanseniaspora</i>	-0.51345532
dist_kullbackleibler	mutualExclusion	<i>Penicillium</i> - <i>carneum</i> - > <i>Penicillium</i>	13.02761942
dist_kullbackleibler	copresence	<i>Hanseniaspora</i> - > <i>Malassezia</i> - <i>restricta</i>	0.72574822
correl_pearson	copresence	<i>Penicillium</i> - > <i>Malassezia</i> - <i>restricta</i>	0.74581046
correl_pearson	copresence	<i>Hanseniaspora</i> - <i>nectarophila</i> - > <i>Hanseniaspora</i>	0.76288228
dist_bray	copresence	<i>Hanseniaspora</i> - > <i>Lactobacillus</i> - <i>delbrueckii</i>	0.30953415
correl_spearman	copresence	<i>Leuconostocaceae</i> 2- > <i>Issatchenkia</i> - <i>orientalis</i>	0.70168067
correl_spearman	mutualExclusion	<i>Lactococcus</i> - > <i>Malassezia</i> - <i>restricta</i>	-0.49545455
dist_bray	copresence	<i>Lactobacillus</i> - <i>brevis</i> - > <i>Mycoplasma</i>	0.14326704
dist_bray	copresence	<i>Lactobacillaceae</i> -- > <i>Lactococcus</i>	0.377428

dist_kullbackleibler	mutualExclusion	<i>Lactobacillaceae-->Penicillium-commune</i>	12.11443655
dist_bray	copresence	<i>Mycoplasma->Lactobacillus-zeae</i>	0.36781285
correl_spearman	copresence	<i>Hanseniaspora-nectarophila->Hanseniaspora</i>	0.83636364
dist_bray	copresence	<i>Staphylococcus-equorum->Mycoplasma</i>	0.2631117
correl_spearman	copresence	<i>Streptococcus--->Pseudomonas</i>	0.76282144
dist_bray	mutualExclusion	<i>Leuconostocaceae2->Penicillium-carneum</i>	0.93851296
dist_kullbackleibler	copresence	<i>Hanseniaspora-nectarophila->Hanseniaspora</i>	0.39063642
dist_kullbackleibler	copresence	<i>Streptococcus--->Lactobacillus-delbrueckii</i>	1.56186047
dist_kullbackleibler	copresence	<i>Debaryomyces-hansenii->Pseudomonas</i>	1.44468302
correl_spearman	mutualExclusion	<i>Penicillium-carneum->Penicillium</i>	-0.522308
dist_kullbackleibler	copresence	<i>Leuconostocaceae2->Lactobacillus-brevis</i>	0.60795596
dist_kullbackleibler	copresence	<i>Mycoplasma->Leuconostocaceae2</i>	1.38300121
correl_spearman	mutualExclusion	<i>Mycoplasma->Candida-zeilanooides</i>	-0.51919124
correl_pearson	copresence	<i>Hanseniaspora->Penicillium</i>	0.75206557
dist_kullbackleibler	mutualExclusion	<i>Lactococcus->Lactobacillus-helveticus</i>	12.20781254
dist_bray	mutualExclusion	<i>Penicillium-commune->Candida-zeilanooides</i>	0.92532065
correl_pearson	copresence	<i>Lactobacillus-zeae->Staphylococcus-equorum</i>	0.67472595
dist_bray	copresence	<i>Hanseniaspora-nectarophila->Hanseniaspora</i>	0.25590026

dist_bray	mutualExclusion	<i>Hanseniaspora-nectarophila->Penicillium-carneum</i>	0.90338184
dist_kullbackleibler	copresence	<i>Lactobacillus-zeae->Leuconostocaceae2</i>	1.58730982
correl_pearson	copresence	<i>Leuconostocaceae2->Staphylococcus-equorum</i>	0.92946669
correl_spearman	mutualExclusion	<i>Lactobacillus->Streptococcus--</i>	-0.62667956
dist_kullbackleibler	copresence	<i>Hanseniaspora->Penicillium</i>	0.33241245