

DataAnalysis_CgA-KO_CST-KO_WT

Taxa__species__	P (rank test)	Adjusted P (Bonferroni)	FDR	CgA-KO mean	CST-KO mean	WT mean	CgA-KO median	CST-KO median	WT median
Cupriavidus_metallidurans	0.000032	0.00094	0.0004	0.046	0.019	0.067	0.048	0.02	0.068
Bacteroides_caccae	0.000044	0.0013	0.0004	0.017	0.0014	0.03	0.018	0	0.029
Bacteroides_faecichinchillae	0.000056	0.0016	0.0004	0.013	0	0.041	0.013	0	0.038
Barnesiella_viscericola	0.000064	0.0019	0.0004	0.0096	0	0.014	0.01	0	0.014
Parabacteroides_johnsonii	0.000075	0.0022	0.0004	0.0014	0	0.015	0	0	0.014
Bacteroides_sartorii	0.000012	0.0035	0.0006	0.094	0.0054	0.13	0.092	0.0039	0.13
Parabacteroides_goldsteinii	0.000014	0.0041	0.0006	0.023	0.011	0.038	0.024	0.012	0.033
Porphyromonas_sp._31_2	0.000017	0.005	0.0006	0.01	0.0026	0.018	0.01	0	0.016
Clostridiales_bacterium_VE20206	0.000017	0.005	0.0006	0.012	0.031	0.02	0.012	0.026	0.02
Gordonibacter_pamelaeeae	0.000031	0.0091	0.0008	0.014	0.0085	0.018	0.013	0.01	0.017
Lactobacillus_johnsonii	0.000032	0.0094	0.0008	0.41	0.0068	0.19	0.41	0.0076	0.14
Lactobacillus_reuteri	0.000033	0.0097	0.0008	0.19	0.0014	0.11	0.2	0	0.08
Lachnospiraceae_bacterium_A2	0.000039	0.011	0.0009	0.15	0.57	0.16	0.13	0.59	0.16
Prevotella_u_s	0.000041	0.012	0.0009	0.037	0.00055	0.043	0.034	0	0.04
Bacteroides_dorei	0.000048	0.014	0.0009	0.022	0.013	0.028	0.023	0.013	0.029
Lactobacillus_animalis	0.000052	0.015	0.001	0.097	0.017	0.079	0.098	0.015	0.081
Adlercreutzia_equolifaciens	0.000061	0.018	0.0011	0.025	0.019	0.034	0.024	0.019	0.033
Odoribacter_splanchnicus	0.000073	0.021	0.0012	0.012	0.0082	0.016	0.011	0.0092	0.016
Burkholderiales_u_s	0.000076	0.022	0.0012	0.011	0.0062	0.021	0.013	0.0052	0.021
Bacteroides_ovatus	0.00008	0.023	0.0012	0.026	0.012	0.03	0.025	0.01	0.027
Phascolarctobacterium_sp._CAG207	0.000088	0.026	0.0012	0.017	0.015	0.024	0.017	0.014	0.022
Alistipes_timonensis	0.000089	0.026	0.0012	0.028	0.025	0.068	0.027	0.024	0.066
Bacteroides_acidifaciens	0.0001	0.029	0.0013	0.12	0.065	0.15	0.12	0.053	0.15
Alistipes_onderdonkii	0.00011	0.032	0.0013	0.017	0.019	0.026	0.017	0.018	0.026
Alistipes_inops	0.00011	0.032	0.0013	0.0077	0.0038	0.014	0.01	0	0.014
Lactobacillus_apodemi	0.00012	0.035	0.0013	0.017	0	0.0081	0.017	0	0.0063
Blautia_producta	0.00012	0.035	0.0013	0.0057	0.019	0.021	0.0042	0.017	0.021
Odoribacter_laneus	0.00014	0.041	0.0015	0.016	0.012	0.022	0.015	0.013	0.022
Tyzzrella_nexilis	0.00015	0.044	0.0015	0.004	0.0075	0.014	0	0.0095	0.013
Senegalimassilia_anaerobia	0.00015	0.044	0.0015	0.007	0	0.011	0.0089	0	0.012
Barnesiella_intestinihominis	0.00018	0.053	0.0016	0.0092	0.0067	0.015	0.01	0.0089	0.016
Bacteroides_faecis	0.00018	0.053	0.0016	0.019	0.019	0.028	0.019	0.019	0.027
Ruminococcus_u_s	0.00019	0.056	0.0017	0.0028	0	0.024	0	0	0.023
Alistipes_shahii	0.00025	0.073	0.0021	0.031	0.037	0.047	0.03	0.036	0.047
Parabacteroides_u_s	0.00026	0.076	0.0021	0.037	0.0084	0.049	0.033	0.0078	0.051
Lachnospiraceae_bacterium_31	0.00026	0.076	0.0021	0.099	0.14	0.12	0.1	0.13	0.12
Butyrivimonas_virosa	0.00026	0.076	0.0021	0.0017	0.0084	0.012	0	0.01	0.014
Eubacterium_hallii	0.00031	0.091	0.0024	0.0037	0.0026	0.011	0	0	0.012
Bacteroides_stercoris	0.00035	0.1	0.0026	0.013	0.012	0.018	0.013	0.011	0.017
Alistipes_putredinis	0.00036	0.11	0.0026	0.025	0.024	0.034	0.026	0.024	0.034
Dorea_formicigenerans	0.00044	0.13	0.0031	0.0057	0.0053	0.015	0.0042	0.0045	0.014
Eubacterium_siraeum	0.00049	0.14	0.0034	0.021	0.02	0.03	0.02	0.019	0.03
Parabacteroides_distasonis	0.00052	0.15	0.0035	0.034	0.023	0.049	0.037	0.024	0.051
Ruminococcus_bromii	0.00053	0.16	0.0035	0.018	0.017	0.024	0.018	0.016	0.024
Bacteroidales_u_s	0.00056	0.16	0.0036	0.032	0.014	0.04	0.032	0.016	0.043
Flavonifractor_plautii	0.00058	0.17	0.0037	0.01	0.01	0.016	0.01	0.01	0.016
Pseudoflavonifractor_capillosus	0.00059	0.17	0.0037	0.016	0.016	0.022	0.016	0.015	0.022
Pseudobutyrvivrio_u_s	0.00061	0.18	0.0037	0.016	0	0.023	0.018	0	0.029
Ruminococcaceae_bacterium_D16	0.0007	0.21	0.0042	0.018	0.018	0.025	0.018	0.018	0.025
Bacteroides_coprophilus	0.00071	0.21	0.0042	0.04	0.027	0.045	0.042	0.026	0.045
Butyrivimonas_u_s	0.001	0.29	0.0056	0.013	0.0022	0	0.018	0	0
Blautia_wexlerae	0.001	0.29	0.0056	0.0098	0.01	0.014	0.01	0.011	0.014
Roseburia_inulinivorans	0.0011	0.32	0.006	0.0036	0.001	0.0099	0	0	0.012
Akkermansia_muciniphila	0.0011	0.32	0.006	0.027	0.025	0.04	0.026	0.024	0.041
Lactobacillus_murinus	0.0013	0.38	0.0068	0.5	0.29	0.44	0.51	0.24	0.42
Anaerofustis_stercorihominis	0.0013	0.38	0.0068	0.0011	0.012	0.01	0	0.011	0.011
Pontibacter_u_s	0.0014	0.41	0.0071	0.011	0	0.011	0.01	0	0.0087
Clostridium_methylpentosum	0.0014	0.41	0.0071	0.013	0.014	0.018	0.014	0.014	0.017
Roseburia_hominis	0.0015	0.44	0.0072	0.012	0.012	0.016	0.013	0.012	0.016
Christensenella_minuta	0.0015	0.44	0.0072	0.0052	0.008	0.012	0.0039	0.01	0.013
Bacteroides_vulgatus	0.0015	0.44	0.0072	0.018	0.017	0.028	0.017	0.014	0.027
Bacteroides_gallinarum	0.0016	0.47	0.0076	0.014	0	0.01	0.016	0	0.016

Firmicutes_bacterium_ASF500	0.0017	0.5	0.0077	0.11	0.11	0.14	0.11	0.11	0.14
Faecalibacterium_prausnitzii	0.0017	0.5	0.0077	0.015	0.014	0.02	0.015	0.014	0.02
Corynebacterium_mastitidis	0.0017	0.5	0.0077	0.0017	0.016	0.0072	0	0.016	0.0052
Bifidobacterium_bifidum	0.0018	0.53	0.008	0.009	0.0086	0.014	0.0097	0.011	0.014
Bacteroides_xylanisolvans	0.002	0.59	0.0087	0.02	0.018	0.026	0.019	0.015	0.026
Oscillospiraceae_bacterium_VE20224	0.0021	0.62	0.009	0.0076	0.011	0.014	0.0087	0.01	0.013
Lachnospiraceae_bacterium_7_1_581	0.0022	0.64	0.0092	0.0087	0.0091	0.015	0.01	0.011	0.015
Lachnospiraceae_bacterium_284	0.0022	0.64	0.0092	0.083	0.11	0.13	0.084	0.11	0.12
Enterococcus_faecium	0.0023	0.67	0.0095	0.009	0.0047	0.014	0.0095	0.0022	0.012
Alistipes_ihumii	0.0024	0.7	0.0098	0.0096	0.0099	0.014	0.01	0.011	0.014
Oscillibacter_sp._13	0.0027	0.79	0.011	0.13	0.13	0.17	0.13	0.12	0.17
Lachnospiraceae_bacterium_32	0.0027	0.79	0.011	0.12	0.22	0.13	0.12	0.2	0.12
Clostridioides_difficile	0.0031	0.91	0.012	0.058	0.091	0.078	0.056	0.084	0.076
Turicibacter_sanguinis	0.0032	0.94	0.012	0.033	0	0	0.03	0	0
Lactobacillus_sp._ASF360	0.0032	0.94	0.012	0	0	0.1	0	0	0.0095
Coprobacillus_u_s	0.0032	0.94	0.012	0.0068	0	0	0.0055	0	0
Bacteroides_salyersiae	0.0032	0.94	0.012	0.0065	0.0077	0.013	0.0083	0.0087	0.013
Methanobrevibacter_smithii	0.0035	1	0.013	0.01	0.0079	0.016	0.01	0.0092	0.014
Subdoligranulum_variabale	0.0036	1	0.013	0.0011	0	0.0067	0	0	0.0095
Candidatus_Arthromitus_sp._SFBmou	0.0036	1	0.013	0.0013	0	0.026	0	0	0.008
Bacteroides_uniformis	0.0039	1	0.014	0.041	0.033	0.063	0.042	0.034	0.067
Parabacteroides_sp._20_3	0.004	1	0.014	0.031	0.016	0.042	0.032	0.022	0.048
Parabacteroides_merdae	0.0041	1	0.014	0.016	0.014	0.022	0.017	0.013	0.023
Lachnoclostridium_u_s	0.0043	1	0.015	0.0091	0.0097	0.0014	0.0097	0.0092	0
Alistipes_senegalensis	0.0044	1	0.015	0.02	0.028	0.026	0.02	0.025	0.026
Alistipes_sp._AL1	0.0052	1	0.017	0.015	0.017	0.02	0.014	0.016	0.019
Agathobaculum_desmolans	0.0059	1	0.019	0.0069	0.014	0.013	0.01	0.013	0.014
Alistipes_finegoldii	0.0066	1	0.021	0.01	0.013	0.015	0.011	0.012	0.014
Clostridium_clostridioforme	0.0068	1	0.022	0.014	0.015	0.019	0.013	0.014	0.019
Lachnospiraceae_bacterium_101	0.0072	1	0.023	0.095	0.11	0.12	0.094	0.11	0.12
Eubacterium_sp._142	0.0072	1	0.023	0.067	0.076	0.081	0.069	0.067	0.076
Porphyromonas_u_s	0.0076	1	0.024	0.0045	0.0013	0.01	0	0	0.011
Eubacterium_plexicaudatum	0.008	1	0.025	0.069	0.081	0.086	0.069	0.078	0.083
Lachnospiraceae_bacterium_M181	0.0087	1	0.026	0.13	0.099	0.13	0.12	0.092	0.12
Enterorhabdus_caecimuris	0.0087	1	0.026	0.18	0.19	0.24	0.18	0.19	0.24
Lachnospiraceae_u_s	0.01	1	0.029	0.023	0.025	0.036	0.02	0.024	0.033
Butyrivibrio_synergistica	0.01	1	0.029	0.0012	0	0.0079	0	0	0.0078
Bacteroides_timonensis	0.01	1	0.029	0.00084	0	0.007	0	0	0.0065
Streptococcus_pneumoniae	0.012	1	0.033	0.0027	0	0	0	0	0
Oribacterium_sp._NK2B42	0.012	1	0.033	0.0034	0	0	0	0	0
Lactobacillus_gasseri	0.012	1	0.033	0.0021	0	0	0	0	0
Lachnoclostridium_phytofermentans	0.012	1	0.033	0.0088	0.007	0.011	0.0084	0.0074	0.011
Imtechella_halotolerans	0.012	1	0.033	0.01	0.002	0.0023	0.013	0	0
Marvinbryantia_formatexigens	0.013	1	0.036	0.01	0.014	0.014	0.011	0.013	0.014
Dorea_longicatena	0.015	1	0.041	0.0077	0.0089	0.012	0.0097	0.0094	0.012
Helicobacter_hepaticus	0.019	1	0.052	0.2	0.24	0.27	0.22	0.24	0.29
Ruminococcus_sp._5_1_39BFAA	0.02	1	0.053	0.0075	0.0079	0.012	0.0087	0.0095	0.015
Enterorhabdus_mucosicola	0.02	1	0.053	0.17	0.17	0.21	0.16	0.16	0.22
Helicobacter_bilis	0.021	1	0.055	0.017	0	0.019	0.012	0	0
Lachnospiraceae_bacterium_COE1	0.022	1	0.057	0.21	0.27	0.13	0.2	0.28	0.13
Blautia_sp._KLE_1732	0.022	1	0.057	0.01	0.0091	0.012	0.01	0.0095	0.012
Bacteroides_u_s	0.022	1	0.057	0.026	0.021	0.033	0.022	0.016	0.029
Mucispirillum_schaedleri	0.023	1	0.059	0.13	0.16	0.21	0.14	0.17	0.22
Herbaspirillum_u_s	0.025	1	0.063	0.00089	0	0.0025	0	0	0.0022
Clostridium_saccharolyticum	0.025	1	0.063	0.0076	0.0045	0.012	0.0092	0	0.013
Alistipes_obesi	0.026	1	0.065	0.016	0.018	0.02	0.015	0.017	0.019
Staphylococcus_xylosum	0.031	1	0.076	0	0.0053	0.006	0	0.0022	0.0042
Clostridiales_bacterium_VE20209	0.031	1	0.076	0.01	0.0068	0.012	0.011	0.0097	0.013
Lactobacillus_u_s	0.032	1	0.077	0.0051	0.0018	0	0.0022	0	0
Erysipelotrichaceae_u_s	0.033	1	0.079	0.0066	0.0034	0.011	0.0027	0	0.012
Clostridium_sp._ASF502	0.034	1	0.081	0.13	0.16	0.15	0.13	0.15	0.14
butyrateproducing_bacterium_SM41	0.037	1	0.087	0.0086	0.0041	0.0094	0.0092	0	0.011
Clostridiales_bacterium_VE20227	0.038	1	0.089	0	0.001	0.0049	0	0	0
Weissella_u_s	0.04	1	0.093	0	0	0.0025	0	0	0

Ruminococcus_torques	0.041	1	0.095	0.0043	0.0042	0.0079	0.0035	0.0035	0.0095
Muricauda_u_s	0.045	1	0.1	0.00063	0.0043	0.0013	0	0.0055	0
Clostridium_scindens	0.046	1	0.1	0.0079	0.0052	0.0015	0.01	0.0039	0
Intestinimonas_butyrificiproducens	0.047	1	0.11	0.018	0.019	0.023	0.018	0.019	0.022
Blautia_obeum	0.047	1	0.11	0.0036	0.0017	0.0071	0	0	0.011
Coriobacteriaceae_bacterium_6813	0.051	1	0.11	0.0049	0	0.0045	0.0042	0	0
Desulfovibrio_sp_Dsv1	0.052	1	0.11	0.0036	0.0092	0.0014	0	0.011	0
Streptococcus_thermophilus	0.053	1	0.12	0.013	0.011	0.018	0.012	0.01	0.017
Desulfovibrio_u_s	0.055	1	0.12	0.014	0.012	0.018	0.014	0.014	0.018
Enterococcus_faecalis	0.065	1	0.14	0.12	0.16	0.14	0.12	0.13	0.15
Acetobacter_u_s	0.065	1	0.14	0.0021	0	0.0086	0	0	0
Pedobacter_u_s	0.067	1	0.14	0.0031	0.00055	0.0046	0.0022	0	0.0032
Biophila_u_s	0.076	1	0.16	0.0076	0.0057	0.011	0.01	0.0047	0.014
Oscillibacter_ruminantium	0.085	1	0.18	0.003	0.0054	0.0082	0	0.0042	0.01
Hungateella_hathewayi	0.1	1	0.21	0.016	0.013	0.018	0.016	0.014	0.018
Christensenella_timonensis	0.11	1	0.23	0.025	0.029	0.029	0.025	0.028	0.029
Bacteroides_intestinalis	0.11	1	0.23	0.0053	0.011	0.0075	0.0047	0.012	0.011
Rhizobiales_u_s	0.12	1	0.23	0	0.00055	0.0048	0	0	0
Patulibacter_u_s	0.12	1	0.23	0.006	0.0019	0.0066	0.0071	0	0.0089
Eubacterium_eligens	0.12	1	0.23	0.00084	0	0.003	0	0	0
Erysipelotrichaceae_bacterium_21_3	0.12	1	0.23	0.00071	0	0.0036	0	0	0
Desulfovibrio_desulfuricans	0.12	1	0.23	0.019	0.019	0.024	0.019	0.015	0.025
Clostridiales_u_s	0.12	1	0.23	0.1	0.045	0.045	0.067	0.035	0.04
Bacteroides_sp_3_1_33FAA	0.12	1	0.23	0.009	0.0053	0.026	0	0	0.024
Anaerotruncus_sp_G32012	0.12	1	0.23	0.15	0.11	0.14	0.15	0.11	0.14
Thermanaerovibrio_u_s	0.13	1	0.24	0	0	0.0015	0	0	0
Ruminococcus_lactaris	0.13	1	0.24	0.0021	0	0	0	0	0
Methylophilum_u_s	0.13	1	0.24	0.0023	0	0	0	0	0
Lachnospira_multipara	0.13	1	0.24	0	0	0.0021	0	0	0
Escherichia_coli	0.13	1	0.24	0	0.0032	0	0	0	0
Clostridiales_bacterium_VE20226	0.13	1	0.24	0	0	0.0016	0	0	0
Burkholderiales_bacterium_1_1_47	0.13	1	0.24	0.0018	0	0	0	0	0
Bacteroides_sp_D22	0.13	1	0.24	0	0.0054	0	0	0	0
Anaerostipes_hadrus	0.13	1	0.24	0	0	0.0018	0	0	0
Roseburia_intestinalis	0.14	1	0.25	0.0038	0.0047	0.0096	0	0	0.013
Lachnospiraceae_bacterium_oral_ta	0.14	1	0.25	0.001	0	0.0034	0	0	0
Clostridiales_bacterium_NK3B98	0.14	1	0.25	0.001	0	0.0033	0	0	0
Stenotrophomonas_maltophilia	0.17	1	0.3	0	0.0011	0.0032	0	0	0
Ruminococcus_sp_SR15	0.17	1	0.3	0.0031	0	0.0013	0	0	0
Candidatus_Arthromitus_u_s	0.18	1	0.32	0.0055	0.0013	0	0	0	0
Neisseriaceae_u_s	0.19	1	0.33	0.0018	0.001	0.0046	0	0	0.0022
Bacteroides_rodentium	0.2	1	0.35	0.0052	0.0073	0.011	0	0.0083	0.015
Erysipelotrichaceae_bacterium_6_1_	0.21	1	0.36	0.0075	0.026	0.021	0	0.023	0.016
Delftia_u_s	0.21	1	0.36	0	0.0032	0.002	0	0	0
Spiribacter_u_s	0.22	1	0.37	0.007	0.0054	0.011	0.0047	0	0.016
Desulfomicrobium_u_s	0.22	1	0.37	0.0014	0	0.0012	0	0	0
Coprobacter_u_s	0.22	1	0.37	0.016	0	0.014	0	0	0
Lachnospiraceae_bacterium_1_4_56	0.24	1	0.4	0.0066	0.0034	0.0076	0.0089	0	0.011
Lachnospiraceae_bacterium_5_1_63	0.27	1	0.42	0.0072	0.0045	0.0034	0.0087	0.0042	0
Clostridium_bolteae	0.27	1	0.42	0.0097	0.0075	0.013	0.01	0.0081	0.016
Streptococcus_agalactiae	0.28	1	0.42	0.0023	0.0063	0.004	0	0	0
Ruminococcus_gnavus	0.28	1	0.42	0.0048	0.0082	0.0039	0	0.01	0
Bacteroides_sp_3_1_40A	0.28	1	0.42	0.031	0.015	0.031	0.037	0.02	0.026
Thermoanaerobacterium_u_s	0.31	1	0.42	0.00055	0.0028	0.00063	0	0	0
Lachnospiraceae_bacterium_5_1_57	0.32	1	0.42	0.00084	0.0023	0	0	0	0
Lachnospiraceae_bacterium_3_1_46	0.32	1	0.42	0.0015	0	0.005	0	0	0
Eggerthella_u_s	0.32	1	0.42	0.0097	0.0041	0	0	0	0
Dictyoglomus_u_s	0.32	1	0.42	0.00045	0	0.0011	0	0	0
Desulfobulbus_u_s	0.32	1	0.42	0	0.00045	0.0014	0	0	0
Coproccoccus_comes	0.32	1	0.42	0.00063	0	0.0023	0	0	0
Candidatus_Arthromitus_sp_SFBmou	0.32	1	0.42	0	0.0037	0.017	0	0	0
Bacteroides_fragilis	0.32	1	0.42	0.014	0.014	0.016	0.014	0.014	0.016
Thioalkalivibrio_u_s	0.33	1	0.42	0.00045	0.00045	0.0018	0	0	0
Oscillibacter_valericigenes	0.33	1	0.42	0.0011	0.00095	0.0035	0	0	0

Eggerthella_sp_HGA1	0.33	1	0.42	0.0017	0	0.0018	0	0	0
Clostridium_asparagiforme	0.33	1	0.42	0.002	0	0.0022	0	0	0
Anaeromyxobacter_u_s	0.33	1	0.42	0.00086	0	0.0013	0	0	0
Alistipes_indistinctus	0.33	1	0.42	0.00095	0	0.0021	0	0	0
Peptostreptococcaceae_u_s	0.34	1	0.42	0.00063	0	0.0023	0	0	0
Oribacterium_u_s	0.34	1	0.42	0	0.00078	0.0018	0	0	0
Enorma_massiliensis	0.34	1	0.42	0.001	0	0.002	0	0	0
Acinetobacter_u_s	0.34	1	0.42	0	0.0025	0.00084	0	0	0
Zymomonas_mobilis	0.37	1	0.42	0.00089	0	0	0	0	0
Veillonella_u_s	0.37	1	0.42	0	0	0.00084	0	0	0
Treponema_primitia	0.37	1	0.42	0.00045	0	0	0	0	0
Thermodesulfovibrio_u_s	0.37	1	0.42	0	0	0.00095	0	0	0
Thermodesulfatator_u_s	0.37	1	0.42	0	0.0018	0.0011	0	0	0
Thermaerobacter_u_s	0.37	1	0.42	0	0	0.00095	0	0	0
Sutterella_wadsworthensis	0.37	1	0.42	0	0	0.0064	0	0	0
Streptococcus_salivarius	0.37	1	0.42	0	0	0.00045	0	0	0
Streptococcus_orisratti	0.37	1	0.42	0	0.0011	0	0	0	0
Staphylococcus_lentus	0.37	1	0.42	0.00089	0	0	0	0	0
Rickettsia_felis	0.37	1	0.42	0.0022	0	0	0	0	0
Psychroflexus_u_s	0.37	1	0.42	0.0026	0.0015	0	0	0	0
Pseudomonas_u_s	0.37	1	0.42	0	0	0.00071	0	0	0
Polynucleobacter_u_s	0.37	1	0.42	0	0	0.00071	0	0	0
Phyllobacteriaceae_u_s	0.37	1	0.42	0	0	0.0012	0	0	0
Paraprevotella_u_s	0.37	1	0.42	0	0	0.0014	0	0	0
Parabacteroides_sp_ASF519	0.37	1	0.42	0	0	0.0061	0	0	0
Paenibacillus_u_s	0.37	1	0.42	0.00055	0	0	0	0	0
Oxalobacter_formigenes	0.37	1	0.42	0	0.00084	0	0	0	0
Oscillospiraceae_u_s	0.37	1	0.42	0.0035	0	0	0	0	0
Micrococcaceae_u_s	0.37	1	0.42	0	0	0.0011	0	0	0
Microbacterium_barkeri	0.37	1	0.42	0	0.0013	0	0	0	0
Methanomassiliicoccus_u_s	0.37	1	0.42	0	0.004	0	0	0	0
Megasphaera_u_s	0.37	1	0.42	0.00089	0	0.00071	0	0	0
Leuconostoc_u_s	0.37	1	0.42	0	0.0012	0	0	0	0
Leuconostoc_mesenteroides	0.37	1	0.42	0.00071	0	0	0	0	0
Leptospira_u_s	0.37	1	0.42	0.0025	0	0.0016	0	0	0
Lactobacillus_rhamnosus	0.37	1	0.42	0.00071	0	0	0	0	0
Kurthia_u_s	0.37	1	0.42	0.00045	0	0	0	0	0
Kurthia_sp_Dielmo	0.37	1	0.42	0.002	0	0	0	0	0
Kocuria_rhizophila	0.37	1	0.42	0	0	0.00089	0	0	0
Facklamia_u_s	0.37	1	0.42	0	0.00095	0	0	0	0
Eubacterium_rectale	0.37	1	0.42	0.00089	0	0	0	0	0
Escherichia_u_s	0.37	1	0.42	0	0	0.002	0	0	0
Erysipelotrichaceae_bacterium_5_2_	0.37	1	0.42	0	0	0.0012	0	0	0
Enterococcus_italicus	0.37	1	0.42	0.0011	0	0	0	0	0
Dorea_u_s	0.37	1	0.42	0.0016	0.0029	0	0	0	0
Desulfotomaculum_u_s	0.37	1	0.42	0	0	0.00055	0	0	0
Dehalococcoides_mccartyi	0.37	1	0.42	0	0	0.00063	0	0	0
Cytophaga_u_s	0.37	1	0.42	0.00032	0	0	0	0	0
Coprothermobacter_u_s	0.37	1	0.42	0.00084	0	0	0	0	0
Coprobacillus_sp_8_2_54BFAA	0.37	1	0.42	0.00063	0	0	0	0	0
Clostridium_symbiosum	0.37	1	0.42	0.0013	0.0012	0	0	0	0
Clostridium_aminophilum	0.37	1	0.42	0	0	0.0013	0	0	0
Chitinophagaceae_u_s	0.37	1	0.42	0.0034	0	0	0	0	0
Carnobacterium_u_s	0.37	1	0.42	0.0015	0	0.00095	0	0	0
Carnobacterium_inhibens	0.37	1	0.42	0	0.001	0	0	0	0
Cardiobacteriaceae_u_s	0.37	1	0.42	0	0.0051	0	0	0	0
Candidatus_Ferribacterium_u_s	0.37	1	0.42	0.00055	0	0	0	0	0
Butyrivibrio_u_s	0.37	1	0.42	0	0	0.00084	0	0	0
Butyrivibrio_pulliaecorum	0.37	1	0.42	0	0.0011	0	0	0	0
butyrateproducing_bacterium_SS34	0.37	1	0.42	0	0	0.0012	0	0	0
Brevundimonas_u_s	0.37	1	0.42	0	0	0.00095	0	0	0
Bifidobacterium_animalis	0.37	1	0.42	0.0016	0	0.0014	0	0	0
Bavariicoccus_seileri	0.37	1	0.42	0.00095	0	0	0	0	0
Bacteroides_thetaiotaomicron	0.37	1	0.42	0.00071	0	0	0	0	0

Bacteroides_stercorisoris	0.37	1	0.42	0	0	0.0011	0	0	0
bacterium_LF3	0.37	1	0.42	0	0	0.0011	0	0	0
Atopobium_parvulum	0.37	1	0.42	0	0	0.00055	0	0	0
Alistipes_u_s	0.37	1	0.42	0.0037	0.0033	0	0	0	0
Aerococcus_u_s	0.37	1	0.42	0	0	0.0013	0	0	0
Actinobacteria_u_s	0.37	1	0.42	0.00095	0	0	0	0	0
Acetobacterium_u_s	0.37	1	0.42	0.00055	0	0	0	0	0
Rikenella_microfusus	0.43	1	0.48	0.0039	0.0065	0.0036	0	0.0092	0
Clostridiales_bacterium_VE20203	0.45	1	0.5	0.011	0.0092	0.01	0.011	0.0089	0.012
Streptococcus_u_s	0.48	1	0.53	0.0024	0.0028	0.006	0	0	0
Staphylococcus_u_s	0.48	1	0.53	0.0058	0.0049	0.0021	0	0.0035	0
Clostridium_u_s	0.49	1	0.54	0.003	0.0011	0.004	0	0	0
Parabacteroides_sp_D13	0.51	1	0.56	0.002	0.0035	0.002	0	0	0
Dorea_sp_52	0.53	1	0.58	0.15	0.15	0.15	0.13	0.15	0.15
Lachnospiraceae_bacterium_A4	0.55	1	0.6	0.19	0.14	0.15	0.18	0.14	0.13
Yersinia_u_s	0.6	1	0.62	0	0.00045	0.00063	0	0	0
Sutterella_u_s	0.6	1	0.62	0.0041	0.0023	0	0	0	0
Streptomyces_u_s	0.6	1	0.62	0.00045	0	0.00045	0	0	0
Spingomonadaceae_u_s	0.6	1	0.62	0.00045	0.00045	0	0	0	0
Ruminococcaceae_u_s	0.6	1	0.62	0.0013	0.0013	0	0	0	0
Methylobacterium_u_s	0.6	1	0.62	0	0.00071	0.0013	0	0	0
Lactococcus_lactis	0.6	1	0.62	0	0.00063	0.0011	0	0	0
Lactobacillus_curvatus	0.6	1	0.62	0.00078	0.00078	0	0	0	0
Holophagaceae_u_s	0.6	1	0.62	0.00084	0	0.001	0	0	0
Gemmatimonas_u_s	0.6	1	0.62	0.00063	0.00055	0	0	0	0
Conchiformibius_u_s	0.6	1	0.62	0.00045	0	0.00045	0	0	0
Bifidobacterium_longum	0.6	1	0.62	0.0011	0	0.0011	0	0	0
Bacillus_u_s	0.6	1	0.62	0.0015	0	0.0017	0	0	0
Aciduliprofundum_u_s	0.6	1	0.62	0	0.0012	0.0011	0	0	0
Subdoligranulum_u_s	0.66	1	0.68	0.0049	0.0026	0.009	0	0	0
Oscillibacter_u_s	0.67	1	0.69	0.028	0.022	0.026	0.031	0.022	0.02
Desulfosporosinus_u_s	0.67	1	0.69	0.0048	0.0079	0.006	0	0.01	0
Lachnospiraceae_bacterium_MA2020	0.72	1	0.74	0.001	0.0024	0.0024	0	0	0
Ruminococcus_flavifaciens	0.75	1	0.76	0.00063	0.0041	0.0042	0	0	0
Helicobacter_sp_MIT_031614	0.75	1	0.76	0.00055	0.0013	0.00084	0	0	0
Propionibacteriaceae_u_s	0.76	1	0.77	0.0034	0.0036	0.0023	0	0	0
Bacteroides_cellulosilyticus	0.82	1	0.83	0.0033	0.0023	0.0037	0	0	0
Staphylococcus_aureus	0.95	1	0.95	0.003	0.0041	0.0039	0	0	0
Bilophila_wadsworthia	1	1	1	0.00095	0.00084	0.0016	0	0	0