

NA	0.03401175	0.78883361	0.440643075	0.75883361	NA	NA	NA	2.30373487	0.00720053	0.10356182	0.00270053	1.085449	1.08542927	0.00737507	1.88748017	0.82632882729072.8197317283834604	0.116661427
NA	0.04381948	0.89091126	0.88091126	0.89091126	NA	NA	0.00630794	0.00630794	0.00630794	0.00630794	0.00630794	1.07153235	1.07153235	0.45567166	1.34971487	0.2341774898477	1.50714788482797
NA	-0.00973051	0.93002543	0.43104253	0.93002543	NA	NA	-1.48873731	-1.48873731	-1.48873731	-1.48873731	-1.48873731	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.0312674	0.93002543	0.43104253	0.93002543	NA	NA	-1.48873731	-1.48873731	-1.48873731	-1.48873731	-1.48873731	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.11353066	0.54531374	0.92788765	0.54531374	NA	NA	-0.40644231	-0.40644231	-0.40644231	-0.40644231	-0.40644231	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	0.15900143	0.91452427	0.93935455	0.91452427	NA	NA	-0.10522099	-0.10522099	-0.10522099	-0.10522099	-0.10522099	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	0.01817567	0.85145075	0.28148515	0.85145075	NA	NA	0.49063416	0.49063416	0.49063416	0.49063416	0.49063416	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.17826708	0.34052027	0.93935455	0.34052027	NA	NA	-1.14696242	-1.14696242	-1.14696242	-1.14696242	-1.14696242	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	0.02177052	0.80265835	0.93935455	0.80265835	NA	NA	0.19676308	0.19676308	0.19676308	0.19676308	0.19676308	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	0.34117517	0.77846932	0.63030948	0.77846932	NA	NA	-1.7732055	-1.7732055	-1.7732055	-1.7732055	-1.7732055	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.0885657	0.39961915	0.63030948	0.39961915	NA	NA	0.74225955	0.74225955	0.74225955	0.74225955	0.74225955	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.17162401	0.93935455	0.63030948	0.93935455	NA	NA	0.02034955	0.02034955	0.02034955	0.02034955	0.02034955	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.4828913	0.77846932	0.63030948	0.77846932	NA	NA	0.77001482	0.77001482	0.77001482	0.77001482	0.77001482	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	0.0084523	0.77275554	0.48907146	0.77275554	NA	NA	0.44972055	0.44972055	0.44972055	0.44972055	0.44972055	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	0.00401508	0.72755425	0.81470548	0.72755425	NA	NA	0.72574023	0.72574023	0.72574023	0.72574023	0.72574023	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.12567354	0.42690231	0.93943474	0.42690231	NA	NA	-0.2543607	-0.2543607	-0.2543607	-0.2543607	-0.2543607	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.2011345	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.91502379	NA	NA	-0.08806963	-0.08806963	-0.08806963	-0.08806963	-0.08806963	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919	0.00990919
NA	-0.40509118	0.91502379	0.8345151	0.													

s_Parabacteroides_diazotrans_G5B1934	-0.26272457	0.77896832	0.38081171	0.77896832	0.43064945	0.96080582	0.40206866	0.56080582	0.70479422	0.20000078	0.41953606	0.20000078	0.27940127	0.87840128	0.31193752	0.28049849		0.76771725
s_Parabacteroides_diazotrans_G5B1934	0.46753608	0.77896832	0.38081171	0.77896832	0.43064945	0.96080582	0.40206866	0.56080582	0.70479422	0.20000078	0.41953606	0.20000078	0.27940127	0.87840128	0.31193752	0.28049849		0.76771725
s_G5B225_G5B40301_G5B4030	1.40871415	0.36891079	0.61023556	0.36891079	0.23607577	0.86327007	0.61176307	0.86327007	-0.56020914	NA	NA	NA	0.47150021	0.86112478	0.47150021	0.2705345	0.27602545	0.68683226
s_G5B304_G5B40301_G5B4030	-0.11082869	0.48354009	0.73543064	0.48354009	0.33664338	0.80481307	0.61429411	0.80481307	-0.00247369	NA	NA	NA	0.2750821	0.7205824	0.68240209	0.67427472	0.58147581	0.140966162417
s_Rumicoccaceae_unclassified_G5B152341_G5B15234	-0.89781008	0.38867034	0.58724059	0.38867034	-0.10387874	0.94364967	0.71002387	0.94364967	-0.00247369	0.669129	0.71213907	0.669129	0.2746665	0.2746665	0.35557727	0.44171035	1.143189743388	0.59406544719177
s_Candidata_Neuromoniscus_faecalis_G5B38342	-0.76521603	0.30032616	0.57071187	0.30032616	0.17576147	0.91139613	0.71430461	0.91139613	-0.00247369	0.99808023	0.75917813	0.99808023	0.2730303	0.27303027	0.34422884	0.35907712	0.58479141	0.28231741
s_Clostridiaceae_bacterium_G5B4029	-0.51618248	0.80892454	0.57678243	0.80892454	0.95929219	0.5957779	0.92000172	0.5957779	0.71270876	0.71270876	0.71270876	0.71270876	0.2726074	0.2726074	0.71384146	0.71497108	1.20647627285347	0.7530124513967
s_Clostridiaceae_sp_NSI_701_G5B1934	-0.14688677	0.93023643	0.59621642	0.93023643	0.92771689	NA	NA	0.91955522	0.71522264	0.33994302	0.51874093	0.33994302	0.2726074	0.2726074	0.54571123	0.54571123	0.68932694	0.81671025
s_G5B694_G5B15204_G5B15204	-0.07146608	0.59032571	0.73722087	0.59032571	NA	NA	NA	0.96195522	0.71522264	0.33994302	0.51874093	0.33994302	0.2726074	0.2726074	0.78976189	0.78976189	0.848936234113	0.689623032
s_Roseburia_intestinalis_G5B4951	1.17651676	0.1870948	0.521766116	0.1870948	0.02673434	0.87742227	0.52280718	0.87742227	-0.13523518	0.6031864	0.6304078	0.6031864	0.2713274	0.2713274	0.71327404	0.84840716	0.70061335057583	1.24361164341472
s_Mediterraneibacter_salsus_G5B714_group	0.180711706	0.90336216	0.57002001	0.90336216	0.06861475	0.54323264	0.9383833	0.54323264	-0.00317494	0.9833823	0.50748026	0.9833823	0.27051873	0.27051874	0.85186207	0.31152106		0.78443434
s_Clostridia_bacterium_G5B14861	-0.356191713	0.73454332	0.42545332	0.73454332	-0.12424423	0.90806208	0.44874031	0.90806208	-0.48967264	0.70243493	0.81366369	0.70243493	0.27047286	0.27047286	0.35648103	0.45958269	0.7107707	0.31322630031330
s_Clostridium_sp_AFR_401_G5B4844	-0.63918161	0.90718572	0.42316303	0.90718572	0.73471405	0.91239334	0.54120079	0.91239334	0.73471405	0.91239334	0.54120079	0.91239334	0.27120664	0.27120664	0.30762324	0.29069077		0.71712089
s_Anaerostipes_halli_G5B4023	-0.0109284	0.9862352	0.29592493	0.9862352	-0.36176899	0.35880173	0.2265444	0.35880173	-0.87123033	0.38557873	0.88077841	0.38557873	0.27120664	0.27120664	0.71023637	0.11789874	0.1702823	0.6088616544
s_Collisia_butechoustralis_G5B14397	NA	NA	NA	NA	0.89197877	0.66620267	0.77595137	0.66620267	-0.14021068	0.33694302	0.51847471	0.33694302	0.2672518	0.2672518	0.82082132	1.4058424	0.35491561406687	1.8304110516719
s_Facalicollis_intestinalis_G5B754	-0.41742728	0.6095918	0.48070419	0.6095918	0.92772176	0.41821667	0.4071128	0.41821667	-0.00932769	0.20921213	0.42460103	0.20921213	0.2672518	0.2672518	0.6599991	0.5834191	0.4708523238946	0.67139418010662
s_Bacteroides_unclassified_G5B1836_group	-0.60573351	0.20770886	0.27643833	0.20770886	-0.42872009	0.53285801	0.3634214	0.53285801	0.3638332	0.5555882	0.45340974	0.5555882	0.2638735	0.2638735	0.34022766	0.3137486		0.72426995
s_G5B690_G5B150121_G5B15012	1.63047953	0.32497759	0.88913708	0.32497759	-0.15048173	0.94484874	0.7606263	0.94484874	-0.1404261	NA	NA	NA	0.267716	0.267716	0.881991	1.3320948	0.23487186915772	0.875003601863
s_Blaeta_intestinalis_G5B4751	0.98784401	0.32297867	0.58247919	0.32297867	0.1784521	0.9037007	0.35977427	0.9037007	-0.1404261	NA	NA	NA	0.267716	0.267716	0.881991	1.3320948	0.23487186915772	0.875003601863
s_Lachnospira_G5B7771_G5B8077	0.26818109	0.9168717	1.06251208	0.9168717	-0.07300461	0.74175874	0.86516938	0.74175874	1.731771	0.31277614	1.186291328	0.31277614	0.2670137	0.2670137	0.76616466	0.88225201	1.0801186227484444	1.60662368707502
s_Streptococcus_thermophilus_G5B8002	0.89021931	0.49153334	0.66151864	0.49153334	-0.33869889	0.78812025	0.67306303	0.78812025	0.04417673	0.30471763	0.64223986	0.30471763	0.2516286	0.2516286	0.3678884	0.7298887	0.3308013	0.800110514
s_Alforsella_histamineformans_G5B845	0.57323286	0.72912048	0.71210526	0.72912048	-0.01352933	0.91127797	0.6871456	0.91127797	NA	NA	NA	NA	0.2524861	0.2524861	0.60315178	0.48680027	0.69520620371794	1.204252730483
s_Rumicoccaceae_bacterium_G5B15249	0.19393036	0.87892616	0.51121854	0.87892616	0.9046309	0.91139613	0.33880469	0.91139613	1.10239816	0.31187138	0.58397954	0.31187138	0.2456679	0.2456679	0.39182148	0.292777	0.318966273505	0.8181803813070964
s_Clostridia_bacterium_G5B4204	0.21846034	0.95941768	0.60734552	0.95941768	-0.24377572	0.93036019	1.06955616	0.93036019	-0.24444745	0.92363487	1.1733897	0.92363487	-0.24444745	0.24444745	0.87477336	1.54233025	0.23621737843	0.739133341849209
s_Candidata_Antoniae_ferri_G5B1941	-0.12184471	0.87861073	0.59619432	0.87861073	0.11464547	0.91139613	0.403432	0.91139613	0.79624331	0.92363487	0.7881398	0.92363487	0.2437934	0.2437934	0.7881398	0.79624331	0.48181434848824	0.935480367714
s_Clostridia_unclassified_G5B80676_G5B80676	0.25161953	0.95053608	0.87667307	0.95053608	-0.67059179	0.57664704	0.63311979	0.57664704	0.76067374	0.90732421	1.13040048	0.90732421	0.2437934	0.2437934	0.6888419	0.5888419	0.761096532771	0.670218007137
s_G5B692_G5B1501701_G5B488	1.30065864	0.41177296	0.83252321	0.41177296	NA	NA	NA	NA	-0.76377327	0.25300702	0.77269802	0.25300702	0.2450788	0.2450788	0.5407983	0.81229372	1.0205079	0.7774455878063362
s_Tripetella_pyogenes_G5B17137	0.83252321	0.83252321	0.95136434	0.83252321	0.43651312	0.45753237	0.91380555	0.45753237	-0.15041252	0.93228029	0.84683021	0.93228029	0.2424321	0.2424321	0.86825021	0.71238601	0.28777017350523	0.67748627175961
s_G5B818_G5B16499_G5B16499	-0.69306702	0.57320309	0.58977893	0.57320309	-0.36451162	0.75420094	0.54113551	0.75420094	0.42514465	0.67397598	0.62241039	0.67397598	0.2370543	0.2370543	0.28975426	0.47814396	0.8024658	0.92046619506162
s_Clostridia_unclassified_G5B4751	1.3407264	0.38892504	0.57320309	0.38892504	0.90322916	0.93229135	0.61762771	0.93229135	-0.1404261	NA	NA	NA	0.2516286	0.2516286	0.33210628	0.29278023	0.424031026262626	0.8718984895925
s_Candidata_Pseudomonas_gallinarum_G5B8337	-0.26542707	0.72630911	0.32776216	0.72630911	0.00584525	0.93229135	0.61762771	0.93229135	0.93229135	0.48489859	0.50529042	0.48489859	0.23851303	0.23851303	0.33210628	0.29278023		0.75920372
s_Coprococcus_colonis_G5B4577_group	-0.19326192	0.78572079	0.31377378	0.78572079	0.72115327	0.15945119	0.83282944	0.15945119	0.0070053	0.60270053	0.761895	0.60270053	-0.237067	-0.237067	0.10730714	0.4645714	0.6445714	0.7810987
s_Anaerostipes_unclassified_G5B14963	0.59314315	0.55166355	0.48980672	0.55166355	-0.25046139	0.80215574	0.84316022	0.80215574	-0.1445512	0.92343487	0.67123147	0.92343487	0.23468739	0.23468739	0.59163368	0.48024275872857	0.950266055938	0.803395419
s_Lachnospiraceae_bacterium_G5B4780	-0.399522439	0.54259871	0.32083863	0.54259871	-0.69499156	0.90890208	0.3418777	0.90890208	0.70328039	0.96373386	0.81205033	0.96373386	0.2329786	0.2329786	0.3306353	0.263034		0.75074385
s_Alistipes_sp_AF17_161_G5B3235	1.06603901	0.3311771	0.803028127	0.3311771	-0.10697615	0.12961594	0.6820636	0.12961594	0.6820636	0.3311771	0.803028127	0.3311771	0.2329786	0.2329786	0.3306353	0.263034		0.75074385
s_Clostridia_unclassified_G5B154023_G5B15402	0.16417855	0.88691319	0.58180218	0.88691319	0.47473258	0.7250585	0.6287921	0.7250585	0.00013434	0.93199145	0.6417881	0.93199145	0.2516286	0.2516286	0.3306353	0.263034		0.75074385
s_G5B692_G5B1501701_G5B15017	-0.18012008	0.91537204	0.61050052	0.91537204	1.1033071	0.92414685	0.5272942	0.92414685	-0.8680484	0.93199145	0.6417881	0.93199145	0.2516286	0.2516286	0.3306353	0.263034		0.75074385
s_Anaerostipes_unclassified_G5B15077_G5B15077	-0.46204833	0.7080439	0.58842087	0.7080439	0.18668038	0.92471626	0.81931192	0.92471626	-0.14887163	0.93199145	0.6417881	0.93199145	0.2516286	0.2516286	0.3306353	0.263034		0.75074385
s_Neodontia_unclassified_G5B7204	-0.11103739	0.95211514	0.61807051	0.95211514	-0.84889161	0.59573837	0.82031913	0.59573837	0.3753033	0.87111058	0.85959476	0.87111058	0.2266719	0.2266719	0.2486719	0.4687142	0.088818416556	0.648947348602
s_Mesocricetia_mulliformis_G5B7207_group	-0.9114219	0.64809345	0.80302101	0.64809345	0.13376303	0.88494717	0.9807688	0.88494717	-0.13376303	0.87111058	0.85959476	0.87111058	0.2266719	0.2266719	0.2486719	0.4687142	0.088818416556	0.648947348602
s_Hydrogenis_unclassified_G5B4751	-0.14825501	0.86127697	0.58247919	0.86127697	0.1784521	0.9037007	0.35977427	0.9037007	-0.1404261	NA	NA	NA	0.267716	0.267716	0.881991	1.3320948	0.23487186915772	0.875003601863
s_Hydrogenis_unclassified_G5B4751	1.42532702	0.37126956	0.82524948	0.37126956	-0.12842619	0.49042748	0.64233804	0.49042748	-0.90300131	0.303695	0.65421508	0.303695	0.2437934	0.2437934	0.7881398	0.79624331	0.48181434848824	0.935480367714
s_Clostridia_bacterium_G5B14854	0.02279024	0.86411075	0.42794352	0.86411075	0.74024132	0.93876833	0.95136134	0.93876833	0.74024132	0.93876833	0.95136134	0.9387683						

s_Ruminococcaceae_bacterium__SGB15278	-0.846477334	0.552044136	0.788519127	0.552044136	-0.135410889	0.934895972	0.76318891	0.934895972	1.3383704	0.389708248	1.086626074	0.389708248	-0.0718573	0.071857289	0.938119568	0.62262241	-1.20216727113515	1.148482638362355	0.995255731	
s_Facultibacterium_pseudint__SGB15191_group	-0.487767507	0.47373525	0.33913923	0.47373525	0.49105549	0.538576363	0.43687638	0.538576363	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.995255731	
s_Massilibacterium_coli__SGB23905	-1.062155327	0.240272229	0.26865214	0.240272229	0.48629538	0.538576363	0.4261573	0.538576363	0.773582031	0.344455024	0.555462894	0.344455024	0.06950527	0.069505267	0.961826271	0.58710588	-0.04157742623593	0.91476289873677	0.995255731	
s_Lachnospiraceae_bacterium__SGB4853	2.185511473	0.12437375	0.848612567	0.12437375	-0.213282876	0.05501477	0.814781554	0.05501477	NA	NA	NA	NA	-0.06973409	0.06973409	0.97202534	2.28494105	-0.47765854016486	0.33819083091531	0.995255731	
s_Aeromonas_equiifaciens__SGB14797_group	0.05369061	0.958779309	0.32621233	0.958779309	-0.09234034	0.93724117	0.538037438	0.93724117	0.282731552	0.750255152	0.554364548	0.750255152	0.06882857	0.06882857	0.97365484	0.25087574			0.964132486	
s_Aeromonas_equiifaciens__SGB25416	-0.200497289	0.745845124	0.34884333	0.745845124	0.15856555	0.87715886	0.38622596	0.87715886	-0.009916952	0.93219033	0.557355812	0.93219033	0.06865648	0.06865648	0.97132224	2.24742028	0.5335047101238688	0.416235751621547	0.964132486	
s_SGB6611_SGB6941__SGB1847	NA	NA	NA	NA	-0.893010713	0.64919472	0.979674789	0.64919472	0.787893561	0.623009422	1.002893508	0.623009422	0.06926835	0.06926835	0.94154748	0.7328472873916	1.580763083979477		0.995255731	
s_Bacteroides_pseudint__SGB1846	NA	NA	NA	NA	-0.26505842	0.02800737	0.97176701	0.02800737	2.0660204	0.16697847	1.06324332	0.16697847	0.06965662	0.06965662	0.91426848	2.0756749	0.0399555019744935	0.9023074733148	0.995255731	
s_Histomonas_fortium__SGB4046	NA	NA	NA	NA	-0.12055135	0.911399613	0.52022481	0.911399613	-0.120817308	0.936345552	1.08600216	0.936345552	0.06888489	0.06888489	0.948837124	0.3411753	-0.725953642540424	0.607783602363174	0.939811309	
s_Clostridiaceae_bacterium__SGB4269	0.237179514	0.788856652	0.391782084	0.788856652	0.078060538	0.919456234	0.53258784	0.919456234	-0.351617348	0.703894961	0.56474673	0.703894961	0.06905102	0.06905102	0.73481263	0.23112382	-0.382035382856163	0.513225563634743	0.97041545	
s_Massilibacterium_tomonensis__SGB1963	-0.428457705	0.785702789	0.68576287	0.785702789	-0.16257414	0.538576363	0.96624395	0.538576363	-0.07299423	0.972025558	0.89404452	0.972025558	0.05459528	0.05459528	0.90832166	0.4141351	-0.847705877226969	0.93259414049189	0.995255731	
s_Coprobacter_fassidus__SGB1963	-0.297282689	0.85168731	0.648742768	0.85168731	-0.27572361	0.853383412	0.60762052	0.853383412	1.07511148	0.348554863	0.792278043	0.348554863	0.05356817	0.05356817	0.903703356	0.41666828	-0.763101613847126	0.870237949650688	0.995255731	
s_Clostridia_bacterium__SGB393	0.070084507	0.952584617	0.561091005	0.952584617	NA	NA	NA	NA	-0.171519597	0.93161393	0.943423208	0.93161393	0.02626375	0.02626375	0.937647979	0.6732232	-1.372179438807979	0.26652029979173	0.995255731	
s_Blaust_SGB4511__SGB4831_group	0.30735886	0.739515491	0.43078684	0.739515491	-0.21456886	0.799031703	0.37876746	0.799031703	-0.82548555	0.548743595	0.873369447	0.548743595	0.05119474	0.05119474	0.915497043	0.84149653	0.28432422	-0.5598555550191422	0.46507463759165	0.98545437
s_SGB955_SGB1498__SGB1499	0.191293008	0.50454044	0.77983026	0.50454044	0.43312321	0.71495443	0.563337693	0.71495443	-1.24768595	0.17879277	0.6741201	0.17879277	0.05079459	0.05079459	0.93944314	0.6866169	-0.259621673555435	1.3512812406249633	0.995255731	
s_SGB4594_SGB63333__SGB6333	-0.47356053	0.75257881	0.67452255	0.75257881	0.484803083	0.746409229	0.713995429	0.746409229	0.22888468	0.88789194	0.82018892	0.88789194	0.04782314	0.04782314	0.96527062	0.42085162	-0.77746038631612	0.872922324789661	0.995255731	
s_Bifidobacterium_adolcescentis__SGB17244	1.375782347	0.152135652	0.574758485	0.152135652	-0.075241595	0.93724117	0.470345667	0.93724117	-0.113596458	0.218912556	1.23238555	0.218912556	0.04637667	0.04637667	0.961030193	0.45915824	-1.906728171857927	1.1319373470454325	0.995255731	
s_Clostridium_sp_Massella_P244__SGB2932	0.763273788	0.37126956	0.441018363	0.37126956	-0.38508114	0.87416921	0.919481745	0.87416921	-0.828514831	0.31427754	0.557749025	0.31427754	0.04625215	0.04625215	0.98170082	0.51307749	-0.0518742804110155	0.95936934957422	0.995255731	
s_Histomonas_pulcherrimus__SGB15126	-0.36308819	0.97188864	0.61726956	0.97188864	-0.748512513	0.50522394	0.98620714	0.50522394	0.319607724	0.620318654	0.95404526	0.620318654	0.04337345	0.04337345	0.93189114	0.65497169	0.95936934957422	0.95936934957422	0.995255731	
s_Facultibacterium_pseudint__SGB15362	0.115967327	0.910537204	0.369561173	0.910537204	-0.451859141	0.596754113	0.442035623	0.596754113	0.42408407	0.653147038	0.862795982	0.653147038	0.04212086	0.04212086	0.98786368	0.24451019	-0.573755454521055	0.488537808973808	0.995255731	
s_Lachnospiraceae_bacterium__SGB4864	0.705908726	0.552044136	0.85073365	0.552044136	-0.74652577	0.931648916	0.60956573	0.931648916	-0.152680103	0.92557152	0.75437795	0.92557152	-0.0407763	0.0407763	0.966663394	0.9489106	-0.9000717862142553	0.8275426890177331	0.995255731	
s_Phacellobacterium_faciens__SGB8792	-0.71378953	0.322578701	0.378148799	0.322578701	-0.28601128	0.909880208	0.93603236	0.909880208	1.024436301	0.19855132	0.85556383	0.19855132	0.0311252	0.0311252	0.93912524	0.86348947	-0.67572022	-1.285498433851058	1.36364891028133	0.995255731
s_Meribacter_nassiliensis__SGB2937	NA	NA	NA	NA	-0.61222816	0.666307945	0.70138005	0.666307945	0.18039395	0.703894961	0.289550285	0.703894961	0.03910505	0.03910505	0.888047986	0.30320392	-0.559346349348407	0.6373047329167	0.995255731	
s_SGB694_SGB15203__SGB15203	0.10912859	0.96726222	0.75818356	0.96726222	-0.697296578	0.750677354	1.02380448	0.750677354	-0.79392557	0.646273435	1.058972658	0.646273435	0.03903687	0.03903687	0.93832872	0.52789414	-0.9953262434242107	0.703600287971338	0.995255731	
s_Enterococcus_faciens__SGB14796_group	0.13585922	0.919813328	0.55913823	0.919813328	NA	NA	NA	NA	-0.25207796	0.819177135	0.585208239	0.819177135	-0.0287838	0.0287838	0.93815623	0.925141429	-0.457198848	0.820716115940111	0.740134051791111	0.995255731
s_Oribacter_sp_ER41__SGB15254	0.30560705	0.684735611	0.337072739	0.684735611	0.362303638	0.538576363	0.33777796	0.538576363	-0.202632451	0.29636548	0.772750644	0.29636548	0.03813799	0.03813799	0.9317968	0.910107497	-0.82603759817597	0.952639736497304	0.995255731	
s_Bifidobacterium_massiliensis__SGB7263	0.524892652	0.415179399	0.37347844	0.415179399	0.474834349	0.727495214	0.644120546	0.727495214	-1.34583864	0.19686061	0.671287285	0.19686061	0.03773534	0.03773534	0.94943497	0.5906343	-1.2040281831413581	1.258321420746179	0.995255731	
s_Eubacterium_ventriosum__SGB5045	0.22179889	0.855430976	0.510420289	0.855430976	-0.171723358	0.909880208	0.57649021	0.909880208	-0.03520569	0.98662716	0.842675008	0.98662716	0.05456867	0.05456867	0.92045532	0.3740663	-0.842738184294282	0.7165555805800695	0.995255731	
s_SGB3293_SGB4348__SGB4348	NA	NA	NA	NA	-0.652034262	0.548029344	0.577222463	0.548029344	0.73550184	0.520455737	0.73738008	0.520455737	0.03463265	0.03463265	0.980642686	0.68996167	-1.3857695307271759	1.3177042277983671	0.995255731	
s_Candidatus_Phacellobacterium_pulcherrimus__SGB59819	-1.037589774	0.34895512	0.858910111	0.34895512	1.587185728	0.154202524	0.71798423	0.154202524	-0.285402923	0.85073537	0.763588881	0.85073537	0.03281851	0.03281851	0.93381696	0.97028917	0.8767571	-1.8157327402125871	1.742740215162867	0.995255731
s_Lactobacillus_sp_NSL_S11__SGB15131	-0.26914576	0.83520774	0.5528289	0.83520774	0.15569762	0.909880208	0.53705953	0.909880208	NA	NA	NA	NA	0.02357515	0.02357515	0.93287515	0.93287515	-0.8103261870761452	0.7445959191724303	0.995255731	
s_Facultibacterium_faciens__SGB750	0.474188173	0.80021596	0.851081674	0.80021596	-0.14710254	0.77831691	0.83106384	0.77831691	NA	NA	NA	NA	-0.0320274	0.0320274	0.93207443	0.9750478	0.5546013	-1.074722323725091	1.33392330731165	0.995255731
s_Enterococcus_alter__SGB4762	0.18885962	0.910337204	0.68485658	0.910337204	-0.068272447	0.930366474	0.54489327	0.930366474	-0.068272447	0.930366474	0.54489327	0.930366474	0.03078415	0.03078415	0.94254508	0.42648493	-0.8508713556668	0.86655440766341	0.995255731	
s_Solobacterium__SGB6833__SGB6833_group	-0.63231914	0.70960439	0.743087122	0.70960439	NA	NA	NA	NA	0.772328529	0.54973438	0.81148718	0.54973438	0.03041372	0.03041372	0.94254508	0.42648493	-1.074722323725091	1.33392330731165	0.995255731	
s_Aeromonas_bacterae_sp_An201__SGB14894	0.335112167	0.729123488	0.420311264	0.729123488	-1.61542036	0.35726989	0.962071585	0.35726989	0.4141917	0.616240593	0.50482926	0.616240593	-0.02983	0.02983	0.92882996	0.971816035	0.56464532	-1.13648745977731	0.76761472841316	0.995255731
s_Blaust_piscum__SGB499	-1.051615192	0.41177026	0.67264736	0.41177026	0.22489555	0.526161434	0.93691937	0.526161434	NA	NA	NA	NA	0.02957655	0.02957655	0.979198784	1.1235843	-0.248417286402352	1.888878189354035	0.995255731	
s_Fimicoccus_bacterium__SGB4063	-0.50643732	0.63225505	0.477936014	0.63225505	0.6035711	0.548029344	0.539345055	0.548029344	-0.20597024	0.950557152	1.01905094	0.950557152	-0.02760309	0.02760309	0.94760686	0.9405647	-0.36968435	-0.7521904582346278	0.696972356657024	0.995255731
s_SGB7787_SGB15410__SGB15410	0.64916739	0.910337204	0.584304306	0.910337204	0.162145064	0.143418605	0.909880208	0.52038879	-0.129852559	0.427106854	0.953260064	0.427106854	0.02483849	0.02483849	0.94694565	0.94694565	-0.8265671321920557	0.597422401284036	0.995255731	
s_Lachnospiraceae_bacterium__SGB4750	-0.186891739	0.910337204	0.584304306	0.910337204																