Table S3 Correlation coeffencicies of serum metabolites and gut microbiome species

species	X9.9_193.09mz_neg	X1.2_197.068mz_neg	X1.7_213.098mz_pos	X16_223.134mz_neg	X14.6_243.159mz_pos	X7_255.082mz_neg	X15.2_265.108mz_neg	X9.7_267.12mz_pos	X16_267.124mz_neg	X33.3_279.233mz_neg	X16_289.106mz_neg
Acinetobacter_sp.	-0.33004107	-0.347719902	-0.317063197	-0.368890811	-0.2873431	-0.308106299	-0.215660141	-0.371203132	-0.39182188	-0.1878348	-0.371429607
Alistipes_communis	0.103394598	0.011179606	0.148077928	-0.191098167	-0.131644793	-0.300019686	-0.204381006	-0.326681912	-0.189053688	-0.366440301	-0.176678909
Alistipes_dispar	0.150538434	-0.015024758	0.125276062	-0.153545709	-0.007210765	-0.194675086	-0.177256545	-0.104642829	-0.15432619	-0.32392327	-0.136583258
Alistipes_finegoldii	-0.000862614	-0.089841454	0.153723652	-0.232980678	-0.088576468	-0.296476548	-0.210176762	-0.219901886	-0.222668035	-0.278551591	-0.213667522
Alistipes_finegoldii_CAG:68	0.107256458	0.025147138	0.199567147	-0.131289223	-0.019518057	-0.166933752	-0.213027235	-0.133104961	-0.130529519	-0.361955472	-0.119016875
Alistipes_ihumii	0.027829135	0.034398931	0.032012221	-0.126188332	-0.202470871	-0.302628402	-0.217426912	-0.378920682	-0.098819712	-0.502606506	-0.108787324
Alistipes_indistinctus	0.197549323	0.080061279	-0.020312421	-0.111805785	-0.156973857	-0.311645726	-0.179053426	-0.220132795	-0.119925552	-0.340509776	-0.098535624
Alistipes_onderdonkii	-0.015738161	-0.111622232	0.177286836	-0.265503926	-0.030088336	-0.303784975	-0.242727567	-0.158654853	-0.255977776	-0.251945653	-0.247826702
Alistipes_provencensis	0.142783585	-0.011119642	0.191172742	-0.141015015	0.011447668	-0.198588066	-0.150531911	-0.167876979	-0.143449	-0.398666904	-0.129055823
Alistipes_putredinis	-0.019676994	-0.060850148	0.021187648	-0.179944962	-0.281927866	-0.250277364	-0.255490309	-0.262035807	-0.139951264	-0.239235985	-0.147532258
Alistipes_putredinis_CAG:67	0.06807162	-0.104014285	0.027603938	-0.230116939	-0.12054539	-0.23810332	-0.243721903	-0.210109247	-0.210946251	-0.266320551	-0.208857348
Alistipes_senegalensis	0.185836639	0.001019824	0.175014931	-0.126409576	0.04332193	-0.181780226	-0.162576959	-0.106193627	-0.132150971	-0.396833027	-0.1121903
Alistipes_shahii	0.138009469	-0.039918733	0.10328563	-0.200288421	-0.06056516	-0.297669197	-0.222108835	-0.245583696	-0.201618333	-0.412009265	-0.187054931
Alistipes_sp._56_sp_Nov_56_25	0.118224726	0.012005673	0.139894639	-0.135176244	-0.085099207	-0.268346357	-0.214063879	-0.201873792	-0.135864837	-0.43147743	-0.120363973
Alistipes_sp._58_9_plus	0.116853794	0.004428691	0.155817717	-0.102680857	-0.046972299	-0.171541351	-0.144847246	-0.059771236	-0.100950371	-0.269351005	-0.079332125
Alistipes_sp._AF14-19	0.039638658	-0.05481476	0.137398218	-0.288259181	-0.092551178	-0.371544534	-0.29598707	-0.290436876	-0.287557112	-0.413259006	-0.278401751
Alistipes_sp._CAG:268	0.121158161	-0.00389398	0.161089097	-0.128276382	-0.034026405	-0.224225009	-0.208102399	-0.150661952	-0.119464244	-0.376385559	-0.110672957
Alistipes_sp._CAG:29	0.08962518	-0.045563385	0.160447189	-0.20068522	0.02165787	-0.221471686	-0.230782501	-0.055464852	-0.191764965	-0.263263462	-0.187134659
Alistipes_sp._HGB5	0.048885397	-0.085409133	0.14256141	-0.240487303	-0.072284722	-0.296498098	-0.20499467	-0.187195967	-0.244708561	-0.30330566	-0.227043528
Amedibacterium_intestinale	0.511884643	0.217220102	0.290063876	0.311907068	0.58216563	0.363740989	0.312524078	0.445461751	0.239028677	-0.025658043	0.27477582
Angelakisella_massiliensis	0.334236032	0.178239657	0.230593945	0.026204517	0.063767294	0.004326588	-0.007179243	0.099894835	-0.00202536	-0.237828656	0.012144909
Bacillus_sp._CAG:988	-0.32457954	-0.358281989	-0.17578548	-0.384181831	-0.205999019	-0.3203508	-0.202623942	-0.078456505	-0.431112126	0.11307425	-0.375082649
Bacteroidaceae_bacterium	0.005045572	-0.051024292	-0.005339528	-0.217504424	-0.049756758	-0.401047939	-0.353216984	-0.399198708	-0.196295241	-0.591785136	-0.216972776
Bacteroidales_bacterium	-0.090092763	-0.144576115	0.039743661	-0.303582908	-0.142253625	-0.463153375	-0.322604881	-0.354909631	-0.295154578	-0.436781618	-0.290297593
Bacteroidales_bacterium_KA00251	-0.136492704	-0.104481703	-0.046316457	-0.520038665	0.05564865	-0.47392256	-0.492513684	-0.49399489	-0.501299346	-0.222895587	-0.504954373
Bacteroides_acidifaciens	-0.088363376	-0.090117864	0.02954223	-0.200735103	-0.006596623	-0.350906656	-0.339897418	-0.47855525	-0.170685594	-0.49717639	-0.195560952
Bacteroides_caccae	-0.078874312	-0.042870524	0.067241378	-0.168312632	-0.109076998	-0.389803748	-0.231031521	-0.482439543	-0.169616302	-0.54747167	-0.182185536
Bacteroides_cellulosilyticus	0.172518108	0.024201673	0.136580336	-0.118600312	-0.041993287	-0.304020696	-0.101494654	-0.306776839	-0.125699953	-0.519791358	-0.12206585
Bacteroides_clarus	0.047425854	-0.057106649	0.034773384	-0.247442051	-0.028164505	-0.428601227	-0.267038807	-0.43494894	-0.251671996	-0.42360505	-0.240885688
Bacteroides_clarus_CAG:160	0.026795023	-0.014365572	0.03583587	-0.232229887	-0.076314266	-0.407300396	-0.279772156	-0.495468258	-0.218867618	-0.384267139	-0.224931684
Bacteroides_congonensis	-0.012825701	-0.047096958	0.082843833	-0.188883799	-0.01854122	-0.348161229	-0.21663426	-0.407225346	-0.174603877	-0.499670361	-0.194391014
Bacteroides_eggerthii	0.027230945	-0.05521413	0.139905747	-0.268862914	0.072256959	-0.484299882	-0.275022364	-0.304866621	-0.290011799	-0.377392681	-0.268763958
Bacteroides_faecis	0.008962287	-0.125319998	0.069033613	-0.184021248	-0.042157469	-0.475287978	-0.27195181	-0.346277723	-0.175843031	-0.465141034	-0.179746503
Bacteroides_faecis_CAG:32	0.093603682	-0.037668109	0.13389898	-0.04716197	0.049702439	-0.306962632	-0.265429676	-0.317656832	-0.014827903	-0.385402997	-0.037261963
Bacteroides_finegoldii	-0.052774207	-0.014782416	0.00348679	-0.244951435	-0.062144381	-0.361613698	-0.298653983	-0.465156942	-0.240619448	-0.42527248	-0.251362132
Bacteroides_finegoldii_CAG:203	0.042870935	0.052452413	0.052291259	-0.18873826	-0.010494666	-0.27102953	-0.316399942	-0.444926111	-0.146892367	-0.431620183	-0.186740643
Bacteroides_fluxus	0.172877236	0.025279256	0.078282414	-0.097871192	-0.009396335	-0.319466529	-0.080939266	-0.321551609	-0.115383881	-0.471954292	-0.101967026
Bacteroides_ilei	-0.042806563	-0.084637109	-0.047214877	-0.325809387	-0.050456726	-0.433406307	-0.389868484	-0.435840727	-0.323479498	-0.270163293	-0.314980603
Bacteroides_intestinalis	0.286541092	0.049038304	0.133955696	0.028125751	-0.065174997	-0.188578595	0.051121816	-0.157155228	0.018083215	-0.508043711	0.013298031
Bacteroides_nordii	0.137593887	0.065267887	0.136776115	-0.140753536	0.063686544	-0.334339701	-0.098694226	-0.281276159	-0.150896389	-0.426482652	-0.146916791
Bacteroides_ovatus	0.026405886	-0.070658024	0.093717259	-0.164636054	0.049866819	-0.342161827	-0.215593108	-0.366004035	-0.16013244	-0.549414719	-0.173212149
Bacteroides_salyersiae	0.004028173	-0.15744012	-0.045966976	-0.334399019	-0.00674737	-0.408895683	-0.308766827	-0.414405102	-0.294038508	-0.331487626	-0.320406894
Bacteroides_sp._2_2_4	-0.024989804	-0.055866771	0.101248377	-0.193255551	0.01163335	-0.35914753	-0.235346019	-0.400071318	-0.191982517	-0.485712236	-0.197056986
Bacteroides_sp._3_1_19	-0.025053548	-0.142010716	-0.040756792	-0.289770762	-0.15439086	-0.5042077	-0.257327854	-0.38206319	-0.30768045	-0.502102742	-0.287079428
Bacteroides_sp._3_1_40A	-0.113149202	-0.161015684	0.051294403	-0.373011772	0.028868342	-0.417311308	-0.371116209	-0.315910494	-0.385557672	-0.379260423	-0.373378399
Bacteroides_sp._44_46	0.129957176	0.030627271	0.083358947	-0.134045955	-0.099230181	-0.365982613	-0.206914005	-0.38103974	-0.137030288	-0.427053391	-0.130404109
Bacteroides_sp._4_1_36	0.100588336	0.008894374	0.10418387	-0.179341503	0.01693377	-0.420109514	-0.195057653	-0.305308785	-0.21493393	-0.533992735	-0.178695375
Bacteroides_sp._4_3_47FAA	-0.059438666	-0.156102225	0.040580715	-0.373302089	0.065226714	-0.40200193	-0.363481856	-0.280873723	-0.383542504	-0.374030705	-0.375304663
Bacteroides_sp._9_1_42FAA	-0.067793938	-0.124386485	0.049320039	-0.363574481	-0.00537822	-0.445913065	-0.32911451	-0.329142939	-0.381733486	-0.402258151	-0.36839602
Bacteroides_sp._AM16-15	-0.070428841	-0.147929585	-0.006278344	-0.409338746	-0.029067051	-0.465678015	-0.367355298	-0.434423995	-0.419823705	-0.481630582	-0.401289776
Bacteroides_sp._AM26-11	-0.060012407	-0.106986135	0.114285241	-0.292071143	0.035894707	-0.410218893	-0.293550704	-0.159559639	-0.339454459	-0.428309904	-0.30062614
Bacteroides_sp._AM28-6	-0.092574955	-0.150028951	-0.244308163	-0.350461303	-0.197484799	-0.517638914	-0.381728357	-0.337503547	-0.349009364	-0.339573399	-0.319475167
Bacteroides_sp._CAG:633	-0.131243021	-0.141618277	-0.048156122	-0.295655439	-0.121478426	-0.470634995	-0.359824453	-0.534701208	-0.254465276	-0.277133215	-0.277381897
Bacteroides_sp._CAG:754	-0.036515187	-0.052995754	0.103089181	-0.193511586	-0.010399341	-0.328002952	-0.259414495	-0.422281495	-0.163876685	-0.515656639	-0.194460459
Bacteroides_sp._D2	0.099743555	0.043779204	0.118169062	-0.041648098	0.071750882	-0.230629305	-0.16086906	-0.398857934	-0.019070278	-0.507563352	-0.04780054
Bacteroides_sp._D20	0.056377072	0.009319728	0.080050356	-0.205718653	-0.019213114	-0.453248139	-0.208448602	-0.363459076	-0.235157818	-0.495739025	-0.204291149
Bacteroides_sp._D22	0.016581318	0.001596804	0.166867839	-0.191709189	0.022115722	-0.355928915	-0.233954831	-0.320774227	-0.194008863	-0.411187992	-0.192717598
Bacteroides_sp._HPS0048	0.204692561	0.065796141	0.096982414	-0.072274579	0.028765497	-0.33674836	-0.060032386	-0.317374722	-0.074733515	-0.422759541	-0.075984548
Bacteroides_sp._NMBE5	-0.047643853	-0.174902722	-0.135610955	-0.353700159	-0.293748998	-0.559294556	-0.332190836	-0.582232571	-0.343529342	-0.325500655	-0.339048001
Bacteroides_sp._OF03-11BH	0.047971649	0.00174139	0.109787277	-0.167428634	0.026998737	-0.339418387	-0.239216349	-0.447209339	-0.147930941	-0.570503366	-0.1683579
Bacteroides_sp._OF04-15BH	-0.074525645	-0.179890399	-0.003565003	-0.364669698	0.027801681	-0.393079343	-0.422293593	-0.38180722	-0.356882451	-0.441974291	-0.364956583
Bacteroides_sp._OM08-17BH	0.009439316	-0.025047735	0.080056049	-0.235713365	-0.008324514	-0.389735222	-0.266817659	-0.421396523	-0.217366616	-0.290393555	-0.218755266
Bacteroides_stercoris	0.013863443	-0.144228397	-0.054713753	-0.26695519	-0.042496152	-0.502135592	-0.326332328	-0.425468916	-0.272611681	-0.469465321	-0.26442347
Bacteroides_stercoris_CAG:120	0.161085349	-0.017008473	-0.021250438	-0.157894983	0.010590531	-0.398182871	-0.239313359	-0.423243748	-0.161133126	-0.455078313	-0.15268689
Bacteroides_thetaiotaomicron	0.071312725	-0.117922439	0.077654922	-0.102238313	-0.004943501	-0.4099406	-0.152579681	-0.232732055	-0.139710929	-0.445526915	-0.109377641
Bacteroides_uniformis	0.022576366	0.020452422	0.065641045	-0.204868549	-0.046920722	-0.45289049	-0.228417568	-0.397355396	-0.235277838	-0.490278762	-0.20402647
Bacteroides_xylanisolvens	-0.056721532	-0.017999109	0.101149887	-0.127180063	-0.025890016	-0.298581776	-0.217048465	-0.39653643	-0.120798906	-0.461111684	-0.135218795
Bacteroidetes_bacterium_ADurb.BinA104	-0.040083416	-0.102322199	0.093538108	-0.344648932	0.070068215	-0.450555029	-0.396044635	-0.385321467	-0.339829111	-0.578368889	-0.33109761
Barnesiella_intestinihominis	0.095576567	-0.008072269	-0.107014365	-0.154586852	-0.190942429	-0.315382007	-0.248811042	-0.356591773	-0.101165928	-0.51191882	-0.14651034
Bifidobacterium_bifidum	0.215126404	0.361521143	0.285706665	0.555716468	0.036477673	0.067998711	0.459889136	0.243040112	0.533670358	0.075949975	0.559235512
Bifidobacterium_longum	0.276541705	0.423563718	0.259402003	0.58135809	0.126540044	0.136708793	0.465217212	0.306000131	0.530834707	0.039879582	0.570010693
Bifidobacterium_pseudocatenulatum	0.282456602	0.550170458	0.203380117	0.535630865	-0.060711907	0.059301826	0.412927108	0.080833556	0.489171834	-0.036229209	0.530192573
Bilophila_wadsworthia	0.135970037	-0.094564749	-0.009551388	-0.165002833	-0.081634507	-0.30827123	-0.184572873	-0.133050149	-0.164039675	-0.328436651	-0.13008947
Blautia_hansenii	0.409236484	0.19660733	0.20848329	0.267537235	0.425270608	0.358983334	0.269496489	0.544704784	0.203715264	0.13522447	0.233115668
Blautia_producta	0.331078832	0.117447032	0.177561877	0.3167845	0.505124165	0.336172924	0.310957144	0.592974526	0.239608417	0.120521755	0.280461295
Blautia_sp._Marseille-P3201T	0.370634032	0.175465345	0.128793929	0.320789392	0.356580453	0.322434033	0.280802576	0.521552821	0.284945298	0.113573865	0.298634675
Butyricimonas_faecalis	0.067199811	0.053773062	0.063390085	-0.22491165	-0.152877659	-0.390264827	-0.287515342	-0.323355719	-0.256414416	-0.545785412	-0.224743941
Butyricimonas_faecihominis	0.061436235	-0.03462251	-0.010618084	-0.375450756	-0.189516577	-0.45461946	-0.288966985	-0.379328121	-0.401904036	-0.38396446	-0.373354146
Butyricimonas_paravirosa	0.057788861	-0.018055818	-0.045880173	-0.27289662	-0.276210868	-0.324883787	-0.275300735	-0.301159205	-0.272860629	-0.296573486	-0.249985683
Butyricimonas_sp._Marseille-P3923	-0.013389836	0.003100554	0.106943903	-0.170561045	-0.155841778	-0.310218039	-0.123809228	-0.307003741	-0.207207626	-0.321997629	-0.167786572
Butyricimonas_virosa	0.184506337	0.053924256	0.022800042	-0.277221876	-0.164700985	-0.327753884	-0.215890457	-0.32963922	-0.311400239	-0.433572543	-0.283545923
Clostridia_bacterium	0.119115341	0.052577751	0.211025982	-0.17965271	-0.135094945	-0.205640168	-0.127754368	-0.15605582	-0.220784543	-0.315860794	-0.205374306
Clostridia_bacterium_UC5.1-1D10	0.179439564	0.019617947	0.102982238	-0.10280943	0.026092347	0.026403234	-0.096838398	-0.076711603	-0.117570494	-0.121496695	-0.159035999
Clostridiaceae_bacterium_TF01-6	0.424997013	0.202166763	0.259566291	0.107126737	0.360481213	0.271451483	0.144329532	0.346902541	0.044330255	-0.062997798	0.080214957
Clostridiales_bacterium_59_14	0.2150563	0.103377465	0.278067162	-0.191105986	0.058334006	-0.221103846	-0.245104088	-0.163256291	-0.198605054	-0.372427827	-0.196629169
Clostridiales_bacterium_VE202-01	0.305102557	0.157948752	0.37272066	0.317119608	0.632080841	0.48531798	0.283503314	0.470425395	0.251309109	0.125246931	0.282226231
Clostridiales_bacterium_VE202-26	0.648813986	0.261321363	0.257685978	0.462456773	0.409199392	0.339419024	0.363479047	0.382258816	0.421634367	-0.021438683	0.451091394
Clostridioides_difficile	0.410010966	0.137010644	0.116509392	0.243535931	0.512769552	0.36720297	0.356516159	0.478103403	0.196524038	0.078211095	0.223916148
Clostridium_cuniculi	0.252612506	0.061877225	0.139724104	0.307697558	0.331124841	0.058198511	0.296521029	0.362720194	0.270892691	0.024296716	0.313146081
Clostridium_disporicum	0.205874104	0.043193701	0.049226753	0.268906419	0.184124035	-0.0464258	0.305421667	0.29109635	0.242586485	0.001511279	0.271784885
Clostridium_sp._AT4	0.323147625	0.129344791	0.200262078	0.262858476	0.482066725	0.311110855	0.238735314	0.453633845	0.208330442	0.066416385	0.242467607
Clostridium_sp._CAG:169	0.311947061	0.193575243	0.420538465	0.097749619	0.368425804	0.198154679	-0.025381154	0.239782055	0.076161417	-0.109377453	0.108757198
Clostridium_sp._CAG:413	0.064045284	0.04218358	0.220692684	0.05867539	-0.219572492	-0.014899772	-0.080710252	0.003817512	0.05583384	-0.042777211	0.079562013
Clostridium_sp._CAG:710	-0.037125444	0.247317261	0.500132924	0.016698973	-0.056027229	0.063295063	0.01320693	0.157110431	-0.025718086	0.032518621	0.022890867
Collinsella_sp._4_8_47FAA	-0.056819014	0.135038743	0.177246944	0.00207283	-0.102511275	-0.276619443	-0.244725929	-0.231617995	0.065224972	-0.128571657	0.032368262
Coprobacter_fastidiosus	-0.192283435	-0.217689735	0.045464171	-0.494816889	-0.037777724	-0.460757618	-0.528461156	-0.280684263	-0.484096512	-0.311523013	-0.481567221
Coprobacter_secundus	0.021459247	-0.113771024	0.042353381	-0.280591047	-0.056717139	-0.385157709	-0.307939525	-0.332343594	-0.261598058	-0.411463445	-0.276864889
CrAssphage_sp.	-0.406438873	-0.299984177	-0.18891986	-0.442082849	0.06426721	-0.37806562	-0.403868857	-0.29900452	-0.430873158	0.014228803	-0.416881703
Cronobacter_sakazakii	-0.106362917	-0.06562289	-0.025677136	0.069218823	0.00098561	0.263766652	0.099657092	0.285373532	0.081654155	0.247967035	0.074140326
Dechloromonas_sp._Dech2017	-0.08821292	0.046409859	0.083262835	-0.121192933	0.058978998	-0.316435972	-0.423946385	-0.513804379	-0.027251771	-0.17483533	-0.07424451
Desulfovibrio_fairfieldensis	0.230085114	0.188352004	0.060903513	-0.035436051	0.015574014	-0.142520923	-0.09048473	-0.25656672	-0.035696167	-0.391503162	-0.02931417
Desulfovibrio_legallii	0.219320173	-0.170543696	0.00538001	-0.298466753	0.031377674	-0.408233765	-0.139958976	-0.09964655	-0.332061577	-0.362470099	-0.302105802
Desulfovibrio_piger	0.14383873	0.132714849	0.110939548	-0.213815009	-0.030889394	-0.190698076	-0.128617897	-0.219687156	-0.242480947	-0.27222096	-0.200011964
Dialister_pneumosintes	0.172638058	-0.138911229	-0.279534242	-0.248247738	0.019571662	-0.305958281	-0.199161417	-0.260458982	-0.208348704	-0.274537877	-0.25270865
Dorea_sp._D27	0.420436159	0.115999173	0.192504965	0.279616356	0.372478737	0.334678569	0.203023827	0.454413545	0.234813808	0.092794801	0.273520282
Dysosmobacter_welbionis	0.293409354	0.11093905	0.290376131	-0.024012835	0.181967997	-0.082868425	-0.108071937	0.025184229	-0.072207655	-0.389226887	-0.039516264
Eikenella_corrodens	-0.092385211	-0.354869953	-0.423508165	-0.525514799	-0.016857397	-0.427691387	-0.285251755	-0.184157017	-0.551906628	0.086248007	-0.522041783
Enterobacter_hormaechei	0.007849575	0.00602286	0.005578102	0.138979188	0.054745145	0.412668337	0.206769256	0.46807519	0.129008315	0.298157783	0.125134754
Enterocloster_bolteae	0.37776666	-0.026517697	0.125749649	0.228227342	0.286317409	0.18299019	0.346797903	0.305481339	0.128989233	-0.073649616	0.199405904

species	X13.2_289.165mz_pos	X7.6_295.212mz_pos	X8.3_298.178mz_pos	X10.5_300.217mz_pos	X11.8_301.165mz_pos	X28.3_311.223mz_neg	X5.3_312.238mz_neg	X10.6_313.166mz_neg	X28.9_319.264mz_neg	X12.7_329.233mz_neg	X13.7_329.233mz_neg	X14_329.233mz_neg
Acinetobacter_sp.	-0.030860233	-0.148736682	-0.255996737	-0.183070122	-0.116172114	-0.345827336	-0.146382569	-0.156098661	-0.042711313	-0.077990751	0.126551935	0.141626733
Alistipes_communis	-0.244732104	-0.329011109	-0.289613426	-0.315027816	-0.227791009	-0.130622879	-0.398884704	-0.045167503	-0.188673533	-0.276500111	0.128027111	0.164981859
Alistipes_dispar	-0.119711467	-0.19271506	-0.114758464	-0.231213182	-0.074100407	0.031577335	-0.243313363	-0.020256984	-0.204254998	-0.26382061	0.076117074	0.105107643
Alistipes_finegoldii	-0.274244172	-0.282662242	-0.23212973	-0.186761681	-0.212940229	-0.204507109	-0.343156776	-0.083584979	-0.181450441	-0.319107425	0.14479664	0.183773432
Alistipes_finegoldii_CAG:68	-0.168202981	-0.172744616	-0.095066497	-0.157078547	-0.120309927	0.05508157	-0.243007018	0.043225431	-0.200364149	-0.295176615	0.080388351	0.102017841
Alistipes_ihumii	-0.335691261	-0.42534957	-0.355811589	-0.299264085	-0.337929203	-0.15217188	-0.446373754	0.027793245	-0.09862178	-0.16116969	0.225480108	0.254549992
Alistipes_indistinctus	-0.317972241	-0.3175402	-0.249858791	-0.40419463	-0.306524877	0.029832001	-0.39529777	-0.121237025	-0.101762389	-0.277270559	0.169614501	0.179010903
Alistipes_onderdonkii	-0.217142295	-0.234336785	-0.192696225	-0.138969385	-0.139771651	-0.239483726	-0.277775345	-0.081033226	-0.240083967	-0.293035997	0.115032593	0.165611047
Alistipes_provencensis	-0.111298	-0.257314065	-0.121020326	-0.285305886	-0.084698023	-0.135008502	-0.320233762	0.055292319	-0.191618415	-0.281938234	-0.038167217	0.000162718
Alistipes_putredinis	-0.337269577	-0.260818142	-0.281450802	-0.123019132	-0.369323324	0.010255828	-0.316843107	-0.130723102	-0.204099162	-0.209361476	0.208366119	0.21636897
Alistipes_putredinis_CAG:67	-0.161353093	-0.274148915	-0.238412859	-0.104050493	-0.20086494	-0.030345996	-0.318922649	-0.059745692	-0.211893407	-0.169262946	0.042669658	0.064533128
Alistipes_senegalensis	-0.054408497	-0.224278297	-0.083622709	-0.246639793	-0.026143448	0.005816186	-0.278206643	0.052436312	-0.210958568	-0.288300496	-0.022853642	0.010392774
Alistipes_shahii	-0.15763667	-0.350038404	-0.226533691	-0.297555609	-0.128756459	-0.092373517	-0.398663765	-0.026504763	-0.227698704	-0.297493994	0.084832627	0.123427144
Alistipes_sp._56_sp_Nov_56_25	-0.024907571	-0.260293708	-0.148382821	-0.292004617	-0.033643773	0.050037181	-0.305302755	0.039753115	-0.261222842	-0.288795567	0.072451889	0.101390431
Alistipes_sp._58_9_plus	-0.179856418	-0.133301389	-0.079925973	-0.182504331	-0.127699173	0.078278346	-0.196768124	-0.065611714	-0.169091652	-0.267858155	0.10046855	0.124337026
Alistipes_sp._AF14-19	-0.074323528	-0.3129297	-0.241608241	-0.283541209	-0.066216168	-0.142830421	-0.345762177	-0.02320822	-0.260065754	-0.290855307	0.085281993	0.132683765
Alistipes_sp._CAG:268	-0.169273563	-0.240398707	-0.149704341	-0.257653519	-0.123525008	-0.009341272	-0.299264068	-0.032129559	-0.252422957	-0.283106962	0.099199041	0.130856742
Alistipes_sp._CAG:29	-0.183119474	-0.144812226	-0.084247482	-0.136980317	-0.094301215	-0.034042009	-0.197223603	-0.063742644	-0.264513878	-0.288100762	0.103193472	0.136241284
Alistipes_sp._HGB5	-0.200201829	-0.267191023	-0.205026943	-0.184849125	-0.152926967	-0.154666495	-0.333241106	-0.082214012	-0.192381116	-0.320762536	0.125474255	0.168237198
Amedibacterium_intestinale	0.525541947	0.168079287	0.385019859	-0.003755402	0.550984638	0.162871054	0.155109887	0.237654588	-0.009020531	0.052711098	-0.478377821	-0.459258929
Angelakisella_massiliensis	-0.038273382	-0.058508599	0.036591723	-0.301510226	0.019126357	0.050364052	-0.142814958	-0.046100655	-0.213837709	-0.35839372	0.096743608	0.124253374
Bacillus_sp._CAG:988	-0.131654418	-0.051524942	-0.200394065	0.092817425	-0.097506233	-0.362063726	-0.041371882	-0.333641035	0.022611924	-0.20335982	0.178685532	0.241816584
Bacteroidaceae_bacterium	-0.01824068	-0.345011245	-0.31493525	-0.310072021	-0.039888019	-0.090969226	-0.412569032	0.038991847	-0.287295551	-0.203853746	0.039562207	0.076688096
Bacteroidales_bacterium	-0.184578122	-0.305353817	-0.321657885	-0.212590677	-0.201536456	-0.376003842	-0.320939944	-0.082437896	-0.103822482	-0.255689138	0.073601315	0.144321311
Bacteroidales_bacterium_KA00251	0.064901766	-0.427601628	-0.476079604	-0.33046602	0.072799577	-0.08821407	-0.395975789	-0.244794432	-0.370007914	-0.303772539	0.02319668	0.031665842
Bacteroides_acidifaciens	-0.072395848	-0.375977973	-0.357095199	-0.257918637	-0.083480563	-0.233618896	-0.401512138	0.155823338	-0.22073095	-0.115774482	-0.004109628	0.032074414
Bacteroides_caccae	-0.106615842	-0.399192975	-0.340674788	-0.350347292	-0.134352396	-0.350270654	-0.459021636	0.05927854	-0.250966146	-0.239818113	0.054027167	0.087752193
Bacteroides_cellulosilyticus	-0.004419948	-0.302324422	-0.24811696	-0.294274034	-0.00690464	-0.179128278	-0.360355147	0.118728671	-0.181751498	-0.156707289	0.018181176	0.078862828
Bacteroides_clarus	-0.036281564	-0.343792621	-0.307620912	-0.281644858	0.005097721	-0.10975098	-0.402768068	-0.032293104	-0.218541031	-0.326285206	0.060982611	0.098016873
Bacteroides_clarus_CAG:160	-0.141966018	-0.344668851	-0.342466713	-0.320269639	-0.084657959	-0.109325753	-0.408964414	-0.013857147	-0.194561599	-0.329388329	0.124011341	0.144954951
Bacteroides_congonensis	-0.031195333	-0.305566043	-0.280621233	-0.264716631	-0.037281575	-0.304355546	-0.352181266	0.14631593	-0.212036634	-0.122159017	-0.008480603	0.036891006
Bacteroides_eggerthii	-0.066040841	-0.295847867	-0.260800339	-0.229698829	0.05937047	-0.244236535	-0.335833578	-0.054694771	-0.181938168	-0.336536712	0.108616555	0.176181833
Bacteroides_faecis	0.002666802	-0.34843355	-0.301807602	-0.180039944	-0.008943549	-0.286682064	-0.362338317	0.11927016	-0.23466278	-0.129200267	0.017855583	0.093945875
Bacteroides_faecis_CAG:32	-0.080520496	-0.330518385	-0.279898707	-0.173500734	-0.072536253	-0.189228823	-0.339148569	0.215329834	-0.266724534	-0.09834215	-0.051219402	-0.003132587
Bacteroides_finegoldii	-0.079869115	-0.33146325	-0.370909143	-0.241834856	-0.09445485	-0.184499353	-0.379310198	0.086297969	-0.121485376	-0.225981929	0.060467478	0.090347256
Bacteroides_finegoldii_CAG:203	-0.174849979	-0.34600599	-0.359621188	-0.239521113	-0.154267021	-0.064651039	-0.393943347	0.1042759	-0.175298395	-0.221529739	0.083424629	0.096115471
Bacteroides_fluxus	-0.08885198	-0.290741881	-0.229707947	-0.305056216	-0.02673178	-0.096215851	-0.415262258	0.018674409	-0.116102554	-0.233182146	0.080808723	0.121557826
Bacteroides_ilei	-0.0561818	-0.394140371	-0.449423118	-0.200645004	-0.085668364	-0.174692451	-0.409340293	-0.026215987	-0.287895228	-0.350268385	-0.007629613	0.021412492
Bacteroides_intestinalis	-0.062273479	-0.257927372	-0.15320469	-0.206097931	-0.064501009	-0.141462886	-0.348164097	0.166782037	-0.098349941	-0.138436439	0.05098794	0.107943952
Bacteroides_nordii	-0.113824077	-0.224669443	-0.206853488	-0.398864476	-0.044100768	-0.2439892	-0.277936108	-0.043176889	-0.088357737	-0.167434959	0.005725841	0.051219342
Bacteroides_ovatus	0.03574225	-0.293266895	-0.226395156	-0.215012129	0.051199768	-0.255377614	-0.342550253	0.200822911	-0.187927567	-0.090047727	-0.045312089	0.011125669
Bacteroides_salyersiae	-0.058396059	-0.366381049	-0.375732138	-0.189658472	-0.061351317	-0.326508385	-0.358584925	0.078402437	-0.267863142	-0.118409471	-0.043979862	-0.005745229
Bacteroides_sp._2_2_4	-0.004187542	-0.272060267	-0.268367002	-0.214308649	0.009356544	-0.252447621	-0.314664858	0.162622113	-0.149807847	-0.101487117	-0.019393312	0.035523985
Bacteroides_sp._3_1_19	-0.048638449	-0.377397943	-0.343846208	-0.310627591	-0.089913194	-0.409696438	-0.421137218	0.010139885	-0.176680863	-0.232274942	0.080175044	0.152844455
Bacteroides_sp._3_1_40A	0.097406365	-0.180332556	-0.221472799	-0.050897717	0.111212276	-0.187476054	-0.168334675	0.069161739	-0.183571896	-0.105831966	0.024366444	0.084768077
Bacteroides_sp._44_46	-0.130341385	-0.331591372	-0.261653405	-0.296062048	-0.078854434	0.025809624	-0.424758522	-0.047105183	-0.23107347	-0.375587218	0.159218759	0.17987556
Bacteroides_sp._4_1_36	0.030085738	-0.276747677	-0.201871682	-0.2812275	0.06957683	-0.117358578	-0.347532591	0.025996856	-0.154199994	-0.271589157	0.016537905	0.077624383
Bacteroides_sp._4_3_47FAA	0.142719659	-0.170774054	-0.173828583	-0.043872513	0.155962726	-0.157311117	-0.154880002	0.1069434	-0.230862788	-0.122164428	-0.031635104	0.020735264
Bacteroides_sp._9_1_42FAA	0.059063387	-0.210688075	-0.228992879	-0.146185713	0.067440328	-0.242972324	-0.233450955	0.025318249	-0.222244187	-0.217221718	-0.000859014	0.052648714
Bacteroides_sp._AM16-15	0.0251093	-0.358386744	-0.370487502	-0.131160849	0.014129876	-0.281187742	-0.365692439	0.094888918	-0.188395507	-0.250055407	-0.011759744	0.050781227
Bacteroides_sp._AM26-11	0.054165519	-0.174091318	-0.10776557	-0.109688581	0.071907858	-0.262707679	-0.220082083	0.091985618	-0.116906858	-0.303229176	-0.039110734	0.03198868
Bacteroides_sp._AM28-6	-0.0693439	-0.231906695	-0.221404213	0.00383711	-0.03970168	0.186887846	-0.150179466	-0.112500527	-0.049283388	-0.07010013	0.279538992	0.312234501
Bacteroides_sp._CAG:633	-0.128672589	-0.415275054	-0.490324041	-0.219560286	-0.120230531	-0.109611568	-0.42170562	-0.014309779	-0.304868795	-0.222707367	0.149859631	0.16120148
Bacteroides_sp._CAG:754	-0.048604662	-0.321835843	-0.290217083	-0.270833435	-0.050828017	-0.273318229	-0.365579473	0.137627159	-0.267184399	-0.114722034	0.010867236	0.051570207
Bacteroides_sp._D2	-0.11059927	-0.315793661	-0.259441189	-0.269660461	-0.074681689	-0.230774594	-0.361764424	0.236925884	-0.147473055	-0.030387446	-0.0462523	-0.011797547
Bacteroides_sp._D20	-0.019501464	-0.307323376	-0.263547314	-0.265534168	0.029275603	-0.09940277	-0.379939264	0.003580493	-0.136471807	-0.272547407	0.075657354	0.126540229
Bacteroides_sp._D22	0.078229822	-0.176828971	-0.197956829	-0.124411772	0.098111251	-0.151470495	-0.195189991	0.201911448	-0.166747657	-0.122697777	0.009191509	0.066463281
Bacteroides_sp._HPS0048	-0.133886077	-0.32688297	-0.237653659	-0.413368775	-0.065680608	-0.245600127	-0.359201969	0.012782021	-0.115222446	-0.165912565	0.01950406	0.063090958
Bacteroides_sp._NMBE5	-0.258862386	-0.576618185	-0.574584459	-0.321512957	-0.265838579	-0.313257931	-0.583425845	-0.150508232	-0.264721403	-0.277820606	0.300738	0.344541704
Bacteroides_sp._OF03-11BH	-0.132530069	-0.348047218	-0.304051847	-0.270102277	-0.103263274	-0.28207652	-0.407081253	0.168405625	-0.178910696	-0.102459595	-0.022259593	0.027276434
Bacteroides_sp._OF04-15BH	0.014933706	-0.387643517	-0.363784388	-0.171624383	-0.007854325	-0.294223551	-0.405995776	-0.003146229	-0.346719941	-0.327325561	-0.04605298	0.0037877
Bacteroides_sp._OM08-17BH	-0.076759462	-0.281733419	-0.344816766	-0.255347562	0.003722865	-0.044030817	-0.332515019	-0.095212153	-0.24797662	-0.305111975	0.096559073	0.122554561
Bacteroides_stercoris	0.042743229	-0.352332264	-0.291072147	-0.296890241	0.055885539	-0.132672624	-0.406917912	0.007897456	-0.225321782	-0.284475162	0.029381781	0.078157798
Bacteroides_stercoris_CAG:120	-0.155377278	-0.412735251	-0.300666727	-0.346475875	-0.090301598	-0.050480589	-0.480104298	0.05380805	-0.105733078	-0.301693548	0.041130818	0.069422825
Bacteroides_thetaiotaomicron	-0.003102019	-0.25650026	-0.17323329	-0.178225575	0.005381189	-0.277232376	-0.291889134	0.127137029	-0.082769423	-0.094157589	-0.058410244	0.022458549
Bacteroides_uniformis	-0.052506468	-0.300535491	-0.289688343	-0.304690457	-0.003144167	-0.094495108	-0.379672004	-0.020022395	-0.168956777	-0.267872778	0.110188041	0.156535309
Bacteroides_xylanisolvens	-0.04250066	-0.208653834	-0.245618985	-0.217513745	-0.039320345	-0.252804088	-0.257111781	0.1966577	-0.140315004	-0.072903162	0.004710558	0.046859723
Bacteroidetes_bacterium_ADurb.BinA104	0.055393764	-0.314081941	-0.242054894	-0.200574539	0.086613784	-0.199289106	-0.340588804	0.082237258	-0.259786136	-0.170177067	-0.038966881	0.031079655
Barnesiella_intestinihominis	-0.27664376	-0.413938604	-0.397629929	-0.437330454	-0.295298097	-0.04919679	-0.538591081	-0.082757088	-0.243300513	-0.267136014	0.183311328	0.19398292
Bifidobacterium_bifidum	-0.223053741	0.286764364	0.206295099	0.001964393	-0.089717752	0.277132742	0.265174997	-0.059955276	0.181052865	0.188956144	0.09728993	0.099551211
Bifidobacterium_longum	-0.080319413	0.427918772	0.332119389	0.007106818	0.018271313	0.334522885	0.390208003	0.041556285	0.264515707	0.338440374	-0.060477898	-0.054120573
Bifidobacterium_pseudocatenulatum	-0.106411768	0.300420222	0.188027528	-0.181628839	-0.054096484	0.480541614	0.234474383	-0.05039112	0.149691173	0.192530038	0.088922629	0.060072207
Bilophila_wadsworthia	-0.245270146	-0.219626659	-0.140115068	-0.049874177	-0.150498102	0.033246744	-0.220197837	-0.108287282	-0.074451538	-0.144787011	0.18127857	0.230894562
Blautia_hansenii	0.509548894	0.363851632	0.483632549	0.090465659	0.492790202	0.323302882	0.346528793	0.176679764	-0.055352715	0.095505872	-0.403320801	-0.410868061
Blautia_producta	0.403556475	0.44252596	0.558317233	0.079085654	0.429937703	-0.041557251	0.428423026	0.208023978	0.153015166	0.140047387	-0.494492142	-0.471378076
Blautia_sp._Marseille-P3201T	0.41344385	0.314840257	0.408675192	0.01620533	0.389874723	0.273869773	0.282390956	0.039563694	-0.053844269	0.156457086	-0.324646269	-0.32408989
Butyricimonas_faecalis	-0.093665593	-0.256376925	-0.199912961	-0.311093689	-0.123694586	-0.024936313	-0.325671574	-0.008956794	-0.216395123	-0.329097429	0.076288291	0.110657319
Butyricimonas_faecihominis	-0.162100571	-0.300954457	-0.320393719	-0.347207155	-0.191788785	-0.22471328	-0.365240963	-0.067893038	-0.166083467	-0.254026355	0.107426768	0.148242265
Butyricimonas_paravirosa	-0.294394284	-0.249147665	-0.285157041	-0.339522266	-0.327728181	-0.039485107	-0.32901261	-0.199397263	-0.184443514	-0.313089514	0.181483516	0.194878477
Butyricimonas_sp._Marseille-P3923	-0.257654928	-0.240681623	-0.29330112	-0.348620936	-0.249648464	-0.275610703	-0.341945085	-0.068244723	0.017137511	-0.306264035	0.113402459	0.155803786
Butyricimonas_virosa	-0.12355653	-0.259888121	-0.241815999	-0.396817533	-0.176142318	-0.066823262	-0.34518642	-0.016381834	-0.147568192	-0.267843036	0.071422538	0.091881975
Clostridia_bacterium	-0.05701312	-0.236840575	-0.159285307	-0.380678754	-0.076429284	-0.294185555	-0.302872855	-0.01055519	-0.230935722	-0.371836156	0.115371797	0.168806372
Clostridia_bacterium_UC5.1-1D10	-0.017936655	-0.090284592	-0.01555272	-0.141381938	-0.001832685	-0.187378345	-0.168867811	0.101029416	-0.195881775	-0.089917055	0.062133589	0.072816648
Clostridiaceae_bacterium_TF01-6	0.439290509	0.136057311	0.295625229	-0.045005575	0.448398885	0.297682706	0.087702546	0.049310248	-0.166838476	-0.104655119	-0.250012259	-0.240360998
Clostridiales_bacterium_59_14	-0.055031425	-0.301020326	-0.205857979	-0.236207529	-0.011899309	-0.085213676	-0.338398935	-0.083883823	-0.32197853	-0.37159789	0.038589898	0.092506123
Clostridiales_bacterium_VE202-01	0.633657323	0.362641193	0.488383696	0.152544712	0.571434817	0.011171364	0.406943336	0.501405817	0.311134042	0.174896326	-0.759344198	-0.748329508
Clostridiales_bacterium_VE202-26	0.474196219	0.115464549	0.398213407	-0.137453236	0.428382055	0.330552762	0.105305235	0.341307472	0.023248022	0.037960925	-0.511637082	-0.519147062
Clostridioides_difficile	0.534403565	0.289468406	0.448500461	0.074429744	0.488622017	-0.012185748	0.294033049	0.313043086	0.282111299	0.266179892	-0.585170864	-0.56930053
Clostridium_cuniculi	0.194075408	0.059843221	0.262696823	0.127073867	0.345656601	0.150229797	0.036301044	0.03567	0.120435567	0.114937948	-0.134224873	-0.083936551
Clostridium_disporicum	-0.006586695	0.017794347	0.151738527	0.080089707	0.18803995	0.090446781	-0.032512412	-0.18531321	0.050572398	0.132353364	0.113082811	0.173142304
Clostridium_sp._AT4	0.484963464	0.226489385	0.380952749	0.089578049	0.486187373	0.185475049	0.200885761	0.17638241	0.116470286	0.014104215	-0.423442384	-0.409438038
Clostridium_sp._CAG:169	0.375343006	0.087910971	0.195324185	0.022204958	0.340462274	0.340998329	0.152727925	0.321443074	0.04670944	-0.089271094	-0.384186421	-0.365587865
Clostridium_sp._CAG:413	-0.210775647	-0.163669006	-0.10036519	-0.100890333	-0.22754033	0.098101425	-0.191419296	-0.051896166	-0.097524377	-0.417182425	0.250279866	0.257007987
Clostridium_sp._CAG:710	-0.043166416	0.137139802	0.026105937	-0.129505871	-0.093772613	-0.122249786	0.072313896	-0.267009097	-0.051590546	-0.433915056	0.021015833	0.054685158
Collinsella_sp._4_8_47FAA	-0.474240173	-0.152851762	-0.237130456	-0.108555099	-0.322713944	0.180229884	-0.138400955	-0.310644973	-0.208165273	-0.121579063	0.316676844	0.318324808
Coprobacter_fastidiosus	0.02387672	-0.224894084	-0.285232355	-0.098709184	-0.006632772	-0.243506525	-0.236549652	-0.068002815	-0.291156254	-0.313062488	-0.007394344	0.053820192
Coprobacter_secundus	-0.275738182	-0.336453854	-0.319939861	-0.187791763	-0.236846756	-0.395027295	-0.379796742	-0.029570827	-0.140548109	-0.288702357	0.072140289	0.130398276
CrAssphage_sp.	-0.064206071	-0.007864948	-0.267734659	-0.008889379	0.018438355	-0.117442292	0.023612312	-0.192714205	-0.051217718	0.045458983	0.055906679	0.07660669
Cronobacter_sakazakii	0.230924662	0.263313267	0.303877114	0.326178779	0.105518383	0.02748595	0.32729927	0.214794325	0.277436599	0.215345376	-0.233970981	-0.26606032
Dechloromonas_sp._Dech2017	-0.109063084	-0.418065187	-0.548624497	0.007972474	-0.05007767	-0.02320049	-0.218985319	-0.037141863	-0.334543844	0.1025697	0.172194787	0.206453116
Desulfovibrio_fairfieldensis	-0.432440793	-0.245666185	-0.14710816	-0.326846095	-0.321670746	-0.015048411	-0.339022757	-0.099401918	-0.030681152	-0.279054312	0.060655574	0.059346098
Desulfovibrio_legallii	-0.017466981	-0.32040007	-0.168782542	-0.170934343	0.037954824	-0.236763438	-0.374581578	-0.275302368	-0.282278768	-0.317843489	-0.001088474	0.072436768
Desulfovibrio_piger	-0.167547618	-0.066828085	-0.122393465	-0.057043019	-0.074703109	0.19992958	-0.075027876	-0.130452986	0.013629143	-0.092601842	0.159901876	0.176376162
Dialister_pneumosintes	-0.011416673	-0.372145502	-0.31461095	-0.199367399	-0.034376606	-0.165197033	-0.293981065	-0.039322298	-0.092161169	0.175472384	0.026638589	0.042066748
Dorea_sp._D27	0.508529641	0.15026475	0.375057621	-0.101574761	0.440621	0.218028792	0.157968907	0.238348872	-0.147746277	-0.087225469	-0.438448685	-0.439589779
Dysosmobacter_welbionis	0.13177817	-0.172371821	0.048078726	-0.220687265	0.147080379	-0.032204197	-0.217227796	0.160329934	-0.196572299	-0.337929559	-0.166476117	-0.11965982
Eikenella_corrodens	0.020756032	-0.241862979	-0.33939244	-0.109190446	0.01185943	-0.335285136	-0.217598518	-0.531353598	-0.216713321	-0.085158953	0.008602158	0.049239953
Enterobacter_hormaechei	0.169116919	0.363478704	0.440759686	0.26059597	0.06853701	0.074133207	0.348351277	0.158028323	0.30322709	0.069392245	-0.252525905	-0.300102984
Enterocloster_bolteae	0.368072429	0.076644512	0.356537518	-0.074711716	0.354992663	-0.261465525	0.048894452	0.298380676	0.306815588	0.030487507	-0.392344334	-0.329184928

Enterocloster_clostridioformis	0.547294261	0.20051572	0.334881314	0.206351957	0.264007071	0.15307459	0.247328241	0.35333931	0.130809217	-0.07062645	0.173975222	0.254887625	0.058332196	0.242408167	-0.047818064	0.296509164	0.064872223	0.011133967	0.084865026	-0.005258672	-0.077517019	-0.154740284	-0.096835009
Erysipelatoclostridium_ramosum	0.362546541	0.188330124	0.160239975	0.368587864	0.443691551	0.386489183	0.32207001	0.483055464	0.306927523	0.163814957	0.334863364	0.610802523	0.351109597	0.480942213	0.020280469	0.541553675	0.205195519	0.348148383	0.387691862	0.04967533	0.212430917	-0.515471294	-0.521413867
Erysipelatoclostridium_sp._An15	0.540510913	0.249667765	0.20917422	0.462240828	0.50887128	0.433744843	0.421630385	0.648330508	0.379520714	0.097674857	0.425109252	0.565072437	0.402402921	0.558978762	0.054112194	0.509372549	0.269787574	0.386381867	0.379029104	0.312919318	0.246873425	-0.602972821	-0.583766684
Erysipelatoclostridium_sp._An173	0.353168843	0.298155123	0.438113623	0.391572624	0.667286185	0.382735912	0.34757899	0.460112152	0.317037465	-0.063123821	0.364852898	0.604417558	0.383277999	0.596290527	0.089683178	0.6023345	0.1493606	0.429325297	0.447350078	0.228471159	0.219963116	-0.774878436	-0.753604127
Erysipelotrichaceae_bacterium	0.329590622	0.132860498	0.186117323	0.111659226	0.389346813	0.170473586	0.006682489	0.252284469	0.075361155	-0.079524641	0.103090458	0.433603645	0.039843825	0.153462575	0.023617409	0.367050681	0.313354358	0.100693717	0.17209887	-0.026609403	0.073681917	-0.355304562	-0.337452914
Eubacterium_sp._45_250	0.183508866	-0.089578821	0.032316474	-0.110102653	-0.105392286	-0.29565589	-0.245990069	-0.171076389	-0.082234335	-0.318013519	-0.084914055	-0.141568701	-0.446662532	-0.334932996	-0.258944909	-0.125818468	0.038442161	-0.459862886	-0.16836404	-0.376906194	-0.280664042	0.171331416	0.220172966
Eubacterium_sp._CAG76_36_125	0.16401833	0.190326138	0.081106784	0.142748451	0.073159187	0.058750037	0.171253272	0.298328738	0.078227122	0.278984257	0.129257473	0.077700127	0.32270272	0.255548414	0.338156392	0.191737961	0.392400685	0.4041193	-0.029480531	0.28618852	0.17060913	0.06465797	0.066277454
Eubacterium_sp._CAG:180	0.307349418	0.029454295	0.023768842	-0.07184993	-0.14939091	-0.218155926	-0.178810555	-0.161274967	-0.044606118	-0.237996308	-0.050566731	-0.061053707	-0.451226872	-0.200451029	-0.116858746	-0.097350884	0.190831888	-0.375516211	0.031855019	-0.021953542	-0.106843887	0.145433501	0.177670839
Faecalibacillus_faecis	0.582719464	0.357957802	0.351282462	0.318783481	0.543489906	0.321708487	0.288833313	0.442317799	0.238675299	-0.140249892	0.279121711	0.337057131	0.153579013	0.385956636	-0.057854474	0.371648019	0.196164323	0.141824851	0.209466156	0.000170702	0.074902585	-0.472867794	-0.445359551
Firmicutes_bacterium_AF12-30	0.300139614	0.278413337	0.052754427	0.44483961	0.067092113	0.112649196	0.319093567	0.37963517	0.395040735	0.080596338	0.439145478	0.019457554	0.336617212	0.329396797	0.05048185	0.071437184	0.400306197	0.303545018	-0.234068759	0.043387274	0.208935587	-0.028735726	-0.026604432
Firmicutes_bacterium_CAG:103	0.084538621	0.02944669	0.155396854	-0.015556075	-0.276232308	-0.212385212	-0.217570716	-0.292627313	0.0195598	-0.211819664	0.023301789	-0.175062627	-0.410887425	-0.330089417	-0.071938619	-0.234734082	0.157885081	-0.372988279	0.071198969	-0.24130543	-0.228240257	0.222713946	0.241056999
Firmicutes_bacterium_CAG:110	0.268303037	0.113082846	0.241638311	-0.008478316	-0.103397509	-0.098878705	-0.061664512	-0.07570757	-0.01554581	-0.408950249	-0.008971548	-0.045323152	-0.287728507	-0.126237965	-0.341596676	-0.062122517	-0.069929111	-0.369366367	-0.03590627	-0.270713256	-0.398870308	0.148806863	0.194463026
Firmicutes_bacterium_CAG:110_56_8	0.277595233	0.141367935	0.266481576	-0.009327175	-0.109221168	-0.024994276	-0.061568234	-0.078287221	-0.011170446	-0.376313726	-0.012190669	-0.081390067	-0.287738022	-0.132367835	-0.315713606	-0.106131765	-0.066813934	-0.361343443	-0.026157599	-0.228730692	-0.405316408	0.161540097	0.199111109
Firmicutes_bacterium_CAG:124	0.191822226	0.120096061	0.196593892	-0.101069757	-0.11928302	-0.135873281	-0.163793621	-0.273773913	-0.089920134	-0.378829419	-0.088953603	-0.035490981	-0.327142401	-0.235770711	-0.348547416	-0.046621828	0.077038397	-0.357996205	-0.001077384	-0.31920907	-0.319062906	0.176375364	0.19419752
Firmicutes_bacterium_CAG:129	0.127824286	-0.010254973	0.259323346	-0.241681217	-0.133228507	-0.205091971	-0.232532621	-0.196465131	-0.265940362	-0.292793851	-0.228576526	0.016369957	-0.353511584	-0.189072984	-0.171525544	-0.024057955	-0.056680096	-0.374229968	0.009548681	-0.205933185	-0.47954568	0.059437012	0.105004799
Firmicutes_bacterium_CAG:129_59_24	0.040285474	-0.078796638	0.147271247	-0.290105895	-0.179136217	-0.245190142	-0.439520791	-0.345299466	-0.233606322	-0.350631354	-0.260285523	-0.137593945	-0.50073376	-0.398540614	-0.136634624	-0.19093478	0.035467832	-0.498637274	-0.070211496	-0.367867457	-0.359912134	0.171939042	0.200992409
Firmicutes_bacterium_CAG:170	0.180135597	0.044059944	0.227975463	-0.105625303	-0.090926719	-0.177372781	-0.160262153	-0.124928616	-0.118793476	-0.31188396	-0.104567284	-0.067284184	-0.261595173	-0.168120867	-0.258562669	-0.042287216	-0.007166017	-0.308674733	-0.087243853	-0.316507877	-0.356454507	0.170163714	0.215561456
Firmicutes_bacterium_CAG:176	0.10936433	0.079713449	0.19777498	-0.200108806	-0.082651284	-0.236335533	-0.224419146	-0.151765169	-0.232994604	-0.359327089	-0.197359321	-0.047271685	-0.303585951	-0.161118625	-0.35044749	-0.058945804	-0.125833904	-0.385548651	-0.071020217	-0.26899512	-0.621742697	0.049459656	0.086675065
Firmicutes_bacterium_CAG:176_59_8	0.119717959	0.106932822	0.208633603	-0.172671446	-0.083496284	-0.257654022	-0.200448433	-0.202323313	-0.199871312	-0.370793952	-0.164051039	-0.018296783	-0.316172986	-0.194734831	-0.333702476	-0.038331679	-0.090768027	-0.372702936	-0.025231582	-0.245782964	-0.546170292	0.016788696	0.05516618
Firmicutes_bacterium_CAG:176_63_11	0.111791851	0.10873165	0.235219512	-0.165953773	-0.055451816	-0.266702541	-0.214538284	-0.239678792	-0.178589533	-0.393452758	-0.151602453	-0.041305741	-0.33633576	-0.239524561	-0.327590188	-0.046024718	-0.109496279	-0.378920084	-0.04453793	-0.272066849	-0.476662288	0.013133797	0.05860103
Firmicutes_bacterium_CAG:24053_14	0.130478572	0.052599065	0.188460515	-0.19642233	-0.09730244	-0.300795567	-0.250582677	-0.241953907	-0.19772882	-0.375121794	-0.200067665	-0.167910866	-0.340604447	-0.262749467	-0.282116286	-0.117099149	-0.060465463	-0.393780722	-0.120102373	-0.362986284	-0.380269703	0.215525943	0.259951624
Firmicutes_bacterium_CAG:270	0.09109988	0.159925978	-0.131875433	0.292063054	-0.253847603	-0.128228097	0.223247184	0.168523194	0.268577592	0.143248621	0.292168196	-0.337943071	0.210112843	0.083849358	-0.028932415	-0.248311376	0.180351856	0.152668539	-0.547096267	7.19E-05	0.183790995	0.342386738	0.352075209
Firmicutes_bacterium_CAG:341	0.619182715	0.335302152	0.153075195	0.31034704	0.10435862	0.276655897	0.365412555	0.142010305	0.296839583	-0.229434346	0.304733312	0.049128192	-0.009382059	0.191887247	-0.22031698	0.030614648	0.323753424	-0.077124373	0.186870226	0.21405383	0.028100508	-0.196893256	-0.209121099
Firmicutes_bacterium_CAG:466	0.155790766	0.023078198	0.182079677	-0.145439215	0.097271955	-0.131243539	-0.227397352	-0.315765209	-0.091400774	-0.360288619	-0.150210679	-0.265816564	-0.316908621	-0.222710489	-0.152984473	-0.197192013	-0.255672024	-0.340016616	0.135495567	-0.169179299	-0.1414673	0.003520162	0.030210701
Firmicutes_bacterium_CAG:83	0.207854668	0.074883837	0.128560697	-0.104972736	-0.025280518	-0.281703444	-0.170859523	-0.276635662	-0.102172012	-0.418769732	-0.084826942	-0.05609603	-0.368111577	-0.215159812	-0.330050387	-0.011305958	0.103490297	-0.409181179	0.001417304	-0.235849479	-0.297603112	0.077119232	0.106543357
Flavobacteriales_bacterium	-0.162954523	-0.129811951	-0.144939816	-0.28820778	-0.189717657	-0.357655245	-0.320584756	-0.481979189	-0.251390393	-0.157895748	-0.252103212	-0.073517136	-0.376501555	-0.395051555	-0.391221064	-0.09159036	0.06120176	-0.369485718	-0.131358282	-0.178507962	-0.235401974	0.244732691	0.217292905
Flavonifractor_plautii	0.236819455	0.11100455	0.201884364	-0.034963975	0.151741133	-0.006372024	-0.074854111	0.097477254	-0.082196069	-0.312795168	-0.077157672	0.228264717	0.054505573	0.185958258	-0.292976152	0.22160696	-0.00038366	-0.02649471	0.137969946	-0.163158186	-0.235927799	-0.118834424	-0.098084156
Fusobacterium_nucleatum	-0.28075651	-0.344304767	-0.394983166	-0.42371708	-0.214124998	-0.257286953	-0.276266658	-0.311864697	-0.412351901	0.032654134	-0.428147287	-0.199104038	-0.241519111	-0.37193221	-0.107344575	-0.234900985	-0.310421864	-0.20766367	-0.277416636	-0.062450133	-0.016533003	0.163664185	0.149109073
Fusobacterium_pseudoperiodonticum	-0.106858737	-0.322982854	-0.464613693	-0.376804212	-0.201581062	-0.350971466	-0.305988128	-0.340872076	-0.360085232	-0.136486004	-0.376291161	-0.159072206	-0.424588398	-0.368295322	-0.165642016	-0.202080541	-0.206066649	-0.369952679	-0.146502477	-0.123939374	-0.011381613	0.145452993	0.133039969
Fusobacterium_sp._oral_taxon_370	-0.281611958	-0.383939368	-0.467568039	-0.469533119	-0.130113451	-0.332860789	-0.427325253	-0.362137461	-0.433001773	-0.025941915	-0.463165723	-0.108251341	-0.334793593	-0.393970765	-0.125599669	-0.147118764	-0.280145235	-0.252535653	-0.199486168	-0.164671482	-0.027593094	0.109537205	0.090847346
Human_endogenous_retrovirus_W	-0.338766361	-0.394239998	-0.173341594	-0.556279728	0.052623051	-0.147641063	-0.424434088	-0.085174414	-0.5393556	0.254815088	-0.529981914	0.156496967	0.064343617	-0.127427641	0.275401742	0.152304045	-0.123204531	0.163525265	-0.026891849	0.038661036	0.022836484	0.00970096	0.028597297
Hungatella_hathewayi	0.547164788	0.361785862	0.378793235	0.358256639	0.329109256	0.25842098	0.334173412	0.333083142	0.26970145	-0.129649262	0.321317434	0.377128088	0.198961622	0.391213711	-0.237713053	0.355636279	0.133572876	0.158215549	0.402077603	0.099097411	0.038014644	-0.38161646	-0.356218313
Intestinibacter_bartlettii	0.507797081	0.260214003	0.060163169	0.444569377	0.401415725	0.230631596	0.39619728	0.388415954	0.404984795	-0.047918273	0.429665012	0.201068972	0.130876722	0.360678984	0.013569186	0.360937891	0.433829616	0.1148347	0.11353773	0.023489905	0.267660879	-0.155729115	-0.15813867
Intestinimonas_butyriciproducens	0.101492345	-0.051593999	0.12778226	-0.142636352	-0.091288563	-0.266257079	-0.209777369	-0.170886392	-0.158263902	-0.244326722	-0.137290223	-0.068891682	-0.322066774	-0.222392172	-0.249820626	-0.070515129	-0.137733334	-0.34889666	0.059609768	-0.212490318	-0.404907228	0.103757701	0.148807556
Lachnoclostridium_sp._An169	0.161731335	0.003173993	-0.018727964	0.053392728	0.028855397	0.0649408	0.034645827	0.216623254	0.027152626	0.019773299	0.037479972	0.102398568	0.09009046	0.164263539	-0.194770008	0.102875592	0.168309676	0.016529893	-0.080552276	-0.169393772	-0.088407174	0.068441677	0.056341876
Lachnospira_eligens	0.270342212	0.245675859	0.092096598	0.09453428	-0.029163832	0.139033918	0.073737821	0.105429967	0.064429192	0.104655447	0.081329169	0.129813217	0.139148856	0.167606469	0.084706503	0.170315009	0.546751187	0.164553346	0.06246459	0.085784848	-0.056423906	0.128599774	0.090441139
Lachnospiraceae_bacterium_5_1_57FAA	0.587915081	0.222724132	0.242973315	0.327629765	0.516903501	0.38876688	0.336423244	0.481545944	0.250944473	0.008794995	0.289108113	0.553510819	0.229540119	0.469588643	0.0125073	0.535642156	0.276810069	0.215128717	0.309626616	-0.010438279	0.11266739	-0.512956966	-0.507687168
Lachnospiraceae_bacterium_6_1_63FAA	0.280863744	0.141666788	0.252830237	0.275080258	0.424219577	0.455943436	0.304081529	0.606314195	0.22849746	0.229390173	0.243072143	0.497082824	0.46933043	0.519160017	0.143591127	0.48045613	0.221236805	0.439054185	0.115896784	-0.020953535	0.105877775	-0.379006659	-0.389514447
Lactobacillus_reuteri	0.074925321	-0.00099814	0.230567631	-0.122187803	0.137952432	-0.093022728	0.008993548	0.222088315	-0.173172014	0.319031093	-0.09662713	0.184497376	0.196884944	0.130471661	0.271259626	0.213332058	0.05791704	0.337750975	0.115326038	0.105445423	0.105209117	-0.27547149	-0.213605137
Lysinibacillus_fusiformis	-0.411914949	-0.404301137	0.123409522	-0.397310996	-0.035155787	0.160100111	-0.300391784	0.137461462	-0.366562395	0.601802867	-0.380705487	0.009832519	-0.041331459	-0.143223185	0.575944753	-0.031930149	-0.355648844	0.109086047	-0.072143817	-0.061210287	-0.203936207	0.113221374	0.124239305
Megamonas_funiformis_CAG:377	0.045607893	0.063429242	-0.022319065	-0.209842628	-0.088101373	-0.124537893	-0.17315983	-0.245934661	-0.204416055	-0.193740804	-0.195156696	-0.22170778	-0.281451494	-0.211238239	0.11571628	-0.182654134	0.108204618	-0.233169809	-0.025908102	0.126383955	-0.194079579	0.305827136	0.308490787
Megamonas_rupellensis	0.060005116	-0.023812451	-0.098000293	-0.10732773	-0.052006218	-0.154658722	-0.056915469	-0.130364941	-0.135024919	-0.236526944	-0.100997929	-0.125203742	-0.242353041	-0.165292142	0.118526438	-0.113377537	0.00349799	-0.213228875	-0.016336025	0.226915135	-0.181241353	0.185789889	0.213792139
Megamonas_sp._Calf98-2	0.034960841	0.054299278	-0.039073318	-0.209662657	-0.049369056	-0.091440684	-0.0968176	-0.208903449	-0.221948755	-0.206702687	-0.19376584	-0.161889544	-0.211337632	-0.165125125	0.096087749	-0.143132089	0.115731541	-0.171877217	-0.043292538	0.150351912	-0.201828625	0.172389383	0.167788586
Merdimonas_faecis	0.485192433	0.234977904	0.289777132	0.295482331	0.611475016	0.220771859	0.283987638	0.552066165	0.238099155	0.100804954	0.268176288	0.321756003	0.314982498	0.443860526	0.041194914	0.521896769	0.349217142	0.325653395	0.096805642	0.038801829	0.190054562	-0.268700997	-0.239363421
Methanobrevibacter_smithii	0.165486448	-0.155994898	-0.06339669	-0.313623352	-0.024625236	-0.396131714	-0.278663598	-0.135230095	-0.317240375	-0.422812288	-0.315785071	0.038875187	-0.432805329	-0.237873367	-0.339524092	-0.001328168	-0.335513139	-0.47047002	-0.277361485	-0.429968961	-0.398952705	0.023419522	0.094354667
Odoribacter_sp._AF15-53	0.07382627	0.005634194	0.042626925	-0.252499208	-0.044900259	-0.360538682	-0.237045191	-0.253553128	-0.295700432	-0.548899843	-0.268797621	0.037831755	-0.122237244	-0.084393756	-0.421047635	0.003211286	-0.157181214	-0.245492097	0.036530469	-0.195105472	-0.228403322	-0.055273253	-0.017324402
Odoribacter_splanchnicus	-0.093522529	-0.234940809	-0.004302339	-0.45134927	-0.152559935	-0.448263533	-0.392976362	-0.369242733	-0.471265606	-0.484153805	-0.451732827	-0.016204466	-0.367534193	-0.295912337	-0.275239103	-0.070726907	-0.328149773	-0.43064184	-0.056347362	-0.247574831	-0.394048635	0.061754063	0.119204986
Oscillibacter_sp.	0.226986608	0.090288925	0.148492422	-0.107359644	-0.119237697	-0.293300705	-0.148414496	-0.177625814	-0.129409591	-0.35155411	-0.091702806	-0.033725215	-0.31021428	-0.172149287	-0.377415791	-0.040090631	0.02051002	-0.345894876	-0.111113465	-0.251595702	-0.37182578	0.068321133	0.113703631
Oscillibacter_sp._CAG:241	0.187009271	0.10640514	0.136724472	-0.142775374	-0.085486826	-0.269844118	-0.209908591	-0.213500833	-0.168310139	-0.314156539	-0.122214267	-0.022390263	-0.340417342	-0.222190472	-0.329236988	-0.044729694	0.080170638	-0.343141054	-0.018224569	-0.19215587	-0.36296537	0.023098014	0.056212727
Oscillibacter_sp._CAG:241_62_21	0.217870127	0.059917944	0.130085307	-0.181550731	-0.075724924	-0.327528598	-0.211813403	-0.233481471	-0.200311944	-0.391348515	-0.165908164	0.001549492	-0.364954896	-0.216516368	-0.383885519	-0.008863689	-0.015206737	-0.385705495	-0.040566211	-0.256783568	-0.384018101	0.02102902	0.068999854
Paeniclostridium_sordellii	0.07721673	0.123460627	0.078954471	0.334591785	0.197100831	0.228804482	0.334117662	0.324398574	0.285198576	0.235926277	0.320468063	0.009754076	0.311520585	0.240998604	0.27843522	0.119876906	0.117609834	0.296598195	-0.214741718	0.140140261	0.313064889	-0.053891385	-0.044121983
Parabacteroides_bouchesdurhonensis	0.168490559	0.014955144	0.022138593	-0.140314314	0.006907932	-0.38651856	-0.144924182	-0.312971142	-0.138815271	-0.508561562	-0.141599535	0.028607694	-0.311481714	-0.268830606	-0.424301895	0.006535647	-0.248172817	-0.331494827	0.083103453	-0.161651634	-0.10546097	-0.034743395	0.019037998
Parabacteroides_distasonis	0.017827633	-0.116295418	-0.001944868	-0.284576109	-0.113980949	-0.503468906	-0.252517717	-0.363453091	-0.301997644	-0.53162409	-0.286836709	-0.03594956	-0.36457626	-0.316836766	-0.290466532	-0.060368728	-0.384810684	-0.402558139	0.012061182	-0.209344436	-0.219134482	0.056922301	0.133213031
Parabacteroides_goldsteinii	0.080053593	-0.077460715	0.075873301	-0.248292511	0.047979621	-0.421699816	-0.240191124	-0.280464494	-0.274534569	-0.428996715	-0.249771437	0.119834845	-0.316812865	-0.274084125	-0.27806444	0.093826097	-0.279319843	-0.323889116	0.050674395	-0.197414178	-0.228260506	-0.103659929	-0.035674215
Parabacteroides_johnsonii	0.105484044	0.026421838	0.030720955	-0.200558406	-0.124010849	-0.463724898	-0.270863049	-0.420328953	-0.204581983	-0.469712837	-0.189142677	-0.116710824	-0.379036292	-0.343345944	-0.3020451	-0.103175015	-0.045749261	-0.374448248	0.054244935	-0.210956088	-0.205984746	0.139438647	0.179689222
Parabacteroides_massiliensis	0.195374404	0.076346074	0.034801305	-0.167994792	-0.047128875	-0.380181816	-0.264503745	-0.323564745	-0.179933528	-0.451455767	-0.157034173	-0.114729378	-0.339437366	-0.272970159	-0.291698304	-0.093020103	0.073501182	-0.333578033	0.056715837	-0.217147213	-0.221440612	0.083341054	0.11285046
Parabacteroides_merdae	0.079886095	-0.016288703	0.043101743	-0.228036961	-0.061224194	-0.493921422	-0.289987299	-0.413088528	-0.239680914	-0.498676759	-0.221974324	-0.011293398	-0.398110097	-0.341924349	-0.291069949	-0.015491366	-0.151280879	-0.387461554	0.110717797	-0.227618595	-0.201200183	0.04063421	0.096402248
Parabacteroides_sp._20_3	-0.010741565	-0.125182682	0.016643121	-0.325391544	-0.077998654	-0.485768879	-0.282368142	-0.358885607	-0.34686352	-0.45716372	-0.328158502	0.041657542	-0.32725967	-0.300609163	-0.222295315	0.022523046	-0.30799362	-0.344454317	0.024783823	-0.1765853	-0.246021075	0.039817602	0.107838489
Parabacteroides_sp._AM58-2XD	0.216078547	0.095529916	0.196802077	-0.128299829	0.077793327	-0.301396326	-0.143779896	-0.185828826	-0.180461442	-0.432614541	-0.129688396	0.042453353	-0.287186771	-0.217888015	-0.347863412	0.014350593	-0.20986146	-0.294722475	0.092500923	-0.11051104	-0.300902776	-0.164921189	-0.107310264
Parabacteroides_sp._CAG:409	0.032816617	-0.07942466	-0.054225035	-0.235093516	0.005098342	-0.425894043	-0.361638053	-0.382267131	-0.227026206	-0.383685815	-0.218103138	0.018261597	-0.400367407	-0.378136611	-0.216772281	-0.021085614	-0.14732095	-0.385644299	0.044400892	-0.295453512	-0.223859387	-0.040420548	-0.006158247
Parabacteroides_sp._D13	0.009424419	-0.145517511	0.005393715	-0.324031959	-0.059713817	-0.504612733	-0.287904745	-0.365908801	-0.343693542	-0.534867165	-0.323804291	-0.010883711	-0.387640717	-0.316047902	-0.265127387	-0.020149999	-0.374917742	-0.419666898	0.003794032	-0.211639876	-0.272232286	0.024415864	0.103111211
Parabacteroides_sp._TM07-1AC	0.186276915	0.026570981	0.03512985	-0.213255731	-0.015531291	-0.399388531	-0.235195113	-0.287541183	-0.234509476	-0.525629631	-0.214787277	-0.019594254	-0.315016418	-0.254998963	-0.388932922	-0.04506218	-0.259401159	-0.329866754	0.128909135	-0.184752726	-0.225509042	-0.040591133	0.019381527
Paraprevotella_clara	-0.039512452	-0.082857182	-0.063482206	-0.362910395	-0.043491378	-0.502861779	-0.407369376	-0.413557926	-0.359232497	-0.520315166	-0.354121281	-0.060673109	-0.356751077	-0.375336112	-0.271852304	-0.065749774	-0.234464093	-0.402532222	0.002767115	-0.27986939	-0.318546028	0.024860774	0.074900581
Paraprevotella_clara_CAG:116	-0.013932629	-0.094650967	-0.103362591	-0.395740668	0.015921226	-0.562904553	-0.442560354	-0.428272973	-0.405959264	-0.503891933	-0.391424142	-0.10826646	-0.436620854	-0.381893859	-0.26358925	-0.075900492	-0.279404761	-0.467134151	-0.104457685	-0.272151133	-0.300859228	0.00506321	0.059702309
Paraprevotella_xylaniphila	-0.058578241	-0.11296418	-0.039814142	-0.377829066	-0.06925539	-0.465607203	-0.453131442	-0.431851865	-0.374100246	-0.5630416	-0.370140827	-0.098075069	-0.409814308	-0.36907311	-0.290419921	-0.115490221	-0.266448802	-0.463774181	-0.034075229	-0.326660746	-0.396690482	0.024433593	0.073496993
Parcubacteria_group_bacterium_ADurb.Bin216	0.414031639	-0.014236504	0.03956121	0.181806724	-0.020650784	-0.055607561	0.060467871	0.00354389	0.17187066	-0.29069366	0.190790287	0.206988103	-0.334744226	-0.005123048	-0.335171651	0.100599841	0.153931237	-0.412520821	0.336468367	-0.139049364	-0.190088489	-0.144984104	-0.129519108
Parvimonas_micra	-0.008666742	-0.123726975	-0.092684519	-0.288946518	0.178827142	-0.054089323	-0.212104548	-0.073497528	-0.284132067	0.066276292	-0.29981904	0.102635183	-0.09869879	-0.160904417	-0.151224307	0.084078901	-0.202707544	-0.007812354	-0.059513119	-0.110920525	0.083458732	-0.159148451	-0.160733327
Parvimonas_sp._oral_taxon_110	-0.07022044	-0.110945567	-0.174344653	-0.465414239	-0.094378401	-0.365775714	-0.428158508	-0.335279813	-0.422159825	-0.118795949	-0.464632608	-0.222884508	-0.3788329	-0.456686119	-0.246355753	-0.223571109	-0.335997442	-0.31525467	-0.273640312	-0.322669893	-0.198072621	0.153443933	0.161862898
Pectobacterium_brasiliense	-0.260884103	-0.31999416	-0.306805911	-0.46215393	0.051748289	-0.236704132	-0.43109175	-0.186214005	-0.416943844	0.184605635	-0.426268029	0.152397488	0.018414445	-0.205566936	0.248199848	0.154408558	0.039711458	0.166983106	0.007569402	0.010427004	0.279931711	0.014148844	0.031479224
Peptoclostridium_sp._AF21-18	0.375722932	0.031698537	0.136605181	0.201370156	0.420076992	0.314764306	0.312565301	0.417282677	0.128311538	-0.131203913	0.171758808	0.346505705	0.07454585	0.380691626	-0.109526713	0.342622278	-0.045124233	0.034260471	0.257090954	0.153680836	0.093892783	-0.404453991	-0.383218412
Peptostreptococcaceae_bacterium	0.428099469	0.170016555	0.113946257	0.458770414	0.431360824	0.287566257	0.500615828	0.509106669	0.381048025	-0.008766779	0.442069009	0.206787103	0.239521854	0.425112688	0.111899702	0.375449611	0.265381778	0.171207353	0.077633885	0.198849847	0.172950735	-0.193636593	-0.168674516
Peptostreptococcus_stomatis	-0.147782975	-0.406518496	-0.369934649	-0.397508425	0.022434063	-0.415963814	-0.425591361	-0.281678437	-0.351226965	-0.063836696	-0.383165811	0.009515184	-0.394131416	-0.420373649	-0.061295549	-0.005694467	-0.399542661	-0.263229108	-0.206850405	-0.305717301	0.126699666	-0.001308983	0.041565801
Phascolarctobacterium_succinatutens	0.216806075	-0.011481634	-0.117362913	-0.240919811	-0.073357048	-0.289401217	-0.224651948	-0.282909239	-0.241398907	-0.568043988	-0.223445825	-0.04087739	-0.376989105	-0.240865339	-0.253234729	-0.059610128	0.063181706	-0.437504664	-0.031781295	-0.237861215	-0.235112511	0.114498318	0.154206625
Phocaeicola_dorei	-0.094588651	-0.159144886	0.030092921	-0.37172964	0.043201544	-0.448471401	-0.335988198	-0.322773174	-0.387443261	-0.367381731	-0.372591287	0.089340041	-0.197210443	-0.217234174	-0.073017897	0.107681166	-0.229331282	-0.187564074	0.056981719	-0.183913276	-0.113968572	-0.024111981	0.031253186
Phocaeicola_plebeius	-0.115975878	-0.168216339	-0.093962908	-0.388356388	-0.06601194	-0.418988323	-0.448923072	-0.353585414	-0.392454444	-0.21183071	-0.373084567	-0.009038564	-0.349115344	-0.393581467	-0.072636604	-0.063492375	-0.118152897	-0.331581308	-0.141560296	-0.333404199	-0.374367073	-0.023849376	0.001186685
Phocaeicola_vulgatus	-0.132089775	-0.185264406	0.036153719	-0.381992395	0.04574125	-0.449127517	-0.38415851	-0.302042866	-0.398034019	-0.378885164	-0.384341588	0.128361929	-0.200824557	-0.20474028	-0.045540007	0.133934251	-0.235587024	-0.186806567	0.077732072	-0.220325758	-0.139418465	-0.029923131	0.029381852
Porphyromonas_asaccharolytica	-0.254179168	-0.165070985	-0.07659404	-0.400259924	-0.135103378	-0.205962593	-0.452870852	-0.457430204	-0.353152007	-0.295462296	-0.385985998	-0.044236072	-0.398190635	-0.380494206	-0.335526158	-0.151849306	-0.155803731	-0.390363415	-0.098757332	-0.073342758	-0.316138123	0.092103421	0.072520825
Prevotella_bivia	-0.048349197	-0.143436497	0.039758765	-0.318098525	-0.088153149	-0.468738952	-0.331123555	-0.412319991	-0.299363635	-0.533530743	-0.313339764	-0.058953861	-0.405715194	-0.352495885	-0.224893194	-0.062946936	-0.318307205	-0.426397956	-0.04487411	-0.258855227	-0.288713667	0.102608486	0.168279104
Prevotella_copri	-0.223052691	-0.07970758	-0.102716281	-0.247134093	-0.179583085	-0.326775814	-0.398890841	-0.461636937	-0.209179135	-0.20013053	-0.225834083	-0.154554811	-0.418802223	-0.49103673	-0.054027059	-0.20490485	0.009332785	-0.354030598	-0.194401773	-0.160370574	-0.095643077	0.209713661	0.217794941
Prevotella_ihumii	-0.093909197	-0.077323078	-0.075482349	-0.194983916	-0.234654949	-0.29544269	-0.394110225	-0.558291187	-0.117728165	-0.454191747	-0.171624563	-0.140166986	-0.566815129	-0.533903764	-0.220718109	-0.224507044	-0.054791885	-0.531253865	-0.032969425	-0.213570973	-0.175277972	0.258803824	0.276807409
Prevotella_intermedia	-0.118940514	-0.168599977	-0.193771244	-0.459040193	-0.224483301	-0.51731303	-0.431354318	-0.500726608	-0.43131106	-0.463582804	-0.459662484	-0.133679302	-0.392382361	-0.459893888	-0.408066977	-0.163067605	-0.370269415	-0.383566325	-0.116147099	-0.256758107	-0.189666037	0.234402507	0.283411271
Prevotella_marseillensis	-0.111067802	-0.068276408	-0.081940936	-0.332375197	-0.102702309	-0.444808547	-0.398927926	-0.369196619	-0.36072557	-0.554456073	-0.332931778	-0.088338075	-0.323835606	-0.27982346	-0.295637146	-0.10291147	-0.093757868	-0.398895937	-0.082479041	-0.196737789	-0.479113329	0.085755813	0.120593719
Prevotella_pectinovora	0.016326082	0.020320032	-0.063051398	-0.24087471	-0.297008016	-0.275691057	-0.485650196	-0.527592597	-0.149406633	-0.419200166	-0.209850315	-0.119143507	-0.529325851	-0.515391606	-0.23714374	-0.288871071	0.078473793	-0.459551487	0.026315555	-0.364153679	-0.172664071	0.180372343	0.179266442
Prevotella_rara	0.139823816	0.083575224	-0.034468437	-0.263776235	0.044062567	-0.292772153	-0.339269626	-0.312294711	-0.290550936	-0.404556597	-0.261198613	-0.135738722	-0.370616856	-0.266036816	-0.289154328	-0.130056176	0.013644184	-0.408645633	-0.020325809	-0.254365554	-0.465882345	-0.04238465	-0.040847584
Prevotella_sp._885	-0.136739489	-0.137641518	-0.15403427	-0.242027351	-0.184942725	-0.415049211	-0.476733952	-0.51580055	-0.164939529	-0.306366309	-0.207899366	-0.158148052	-0.561237203	-0.583937025	-0.167450314	-0.228693245	-0.101628846	-0.449891993	-0.11737072	-0.317751417	-0.148621307	0.209945454	0.232166603
Prevotella_sp._AM23-5	-0.231131153	-0.136034762	-0.087267226	-0.283942736	-0.224581047	-0.413951927	-0.493908803	-0.492428061	-0.229987598	-0.253969508	-0.262817033	-0.22966708	-0.48552975	-0.54020746	-0.084666869	-0.279721722	-0.122533158	-0.4262642	-0.224727644	-0.289926714	-0.183056146	0.23155002	0.252572683
Prevotella_sp._AM34-19LB	-0.174040271	-0.081816092	-0.052964549	-0.216656903	-0.16770912	-0.267572108	-0.414747422	-0.435355677	-0.158586208	-0.201335859	-0.197031528	-0.113329016	-0.466436124	-0.490431797	-0.023282659	-0.19079463	-0.036339717	-0.391141884	-0.10701962	-0.225707512	-0.075376997	0.18941746	0.200226878
Prevotella_sp._AM42-24	-0.157700234	-0.0785494	-0.011024407	-0.294539013	-0.06874554	-0.350223145	-0.438906641	-0.401244429	-0.259322949	-0.328988095	-0.274981882	-0.002131572	-0.376741267	-0.384590828	-0.100570833	-0.036398918	0.038215358	-0.316440561	-0.108367665	-0.323474384	-0.167412903	0.112926218	0.134582713
Prevotella_sp._CAG:279	-0.16069104	-0.089964776	-0.007435723	-0.277943741	-0.134720104	-0.388914855	-0.599277518	-0.50056947	-0.172932813	-0.337359062	-0.245595643	-0.114324826	-0.476918841	-0.528131402	-0.182634547	-0.162807275	-0.128602011	-0.41492995	-0.117217379	-0.578405087	-0.170558276	0.21963497	0.256129573
Prevotella_sp._CAG:520	0.006195304	-0.115174334	-0.264318706	-0.155106924	-0.264574167	-0.423389069	-0.315778556	-0.453998171	-0.125487078	-0.330298174	-0.131932693	-0.155441139	-0.545210348	-0.510884389	-0.238070643	-0.221484974	0.000829731	-0.478949625	-0.11023598	-0.182369249	-0.153888634	0.273819562	0.292576557
Prevotella_sp._CAG:891	-0.082625906	0.019282709	-0.070160614	-0.31126999	-0.10487243	-0.36805125	-0.439518274	-0.430926533	-0.332283399	-0.502131734	-0.316175544	-0.135709775	-0.442138513	-0.360823353	-0.301744996	-0.187385984	-0.0273463	-0.511129159	-0.063573988	-0.175029524	-0.500014665	0.055762703	0.063551123
Prevotella_sp._MGM2	-0.225150411	-0.171468821	-0.04043012	-0.342653236	0.006336168	-0.39429017	-0.435241463	-0.383229442	-0.328754494	-0.365280709	-0.334810467	-0.13294397	-0.293008526	-0.319465143	-0.192924705	-0.127244328	-0.195708849	-0.341164099	-0.077296519	-0.019695545	-0.15830422	-0.021411438	0.017556941
Prevotella_sp._P3-122	0.208894357	-0.139559442	-0.098610513	-0.210181161	-0.00077321	-0.432224444	-0.229300372	-0.224489268	-0.202525097	-0.411480793	-0.211597034	-0.059161855	-0.47041595	-0.338891425	-0.172104202	-0.046605065	-0.161249884	-0.47167635	-0.204058294	-0.308233277	-0.21283896	0.041884699	0.10641597
Prevotella_stercorea	-0.085833646	-0.143835144	-0.228231813	-0.261710797	-0.132503584	-0.517862396	-0.396642054	-0.407015121	-0.236657559	-0.439936165	-0.242328673	-0.080408917	-0.458870587	-0.444703156	-0.275970655	-0.109091392	-0.091267512	-0.404933163	-0.154196216	-0.198909895	-0.156936733	0.217143269	0.261461967
Prevotellaceae_bacterium_LKV-178-WT-2A	0.065931456	-0.038146316	-0.132755539	-0.154577362	-0.15364074	-0.297144836	-0.310908904	-0.331432412	-0.089219611	-0.164637743	-0.129096929	-0.19490401	-0.412589521	-0.389965851	-0.111140472	-0.208936966	0.096053819	-0.338928632	-0.129461274	-0.301107336	-0.168325139	0.234936278	0.237998039
Rickettsiales_bacterium	-0.221792535	-0.404149857	-0.033953986	-0.15324624	0.210891458	0.093456988	-0.185167164	0.211108195	-0.102388683	0.571054079	-0.130146284	0.075332085	0.09631211	-0.051977197	0.6277714	0.156052401	-0.095047597	0.336253562	0.06296881	-0.038367129	0.182869305	-0.040090166	-0.018234571
Rikenellaceae_bacterium	0.181208952	-0.007278131	0.115265724	-0.154187083	0.015918825	-0.301427015	-0.18667794	-0.228922198	-0.147414887	-0.368520624	-0.133988027	-0.15590344	-0.340087082	-0.239978904	-0.267348681	-0.091918149	-0.018518102	-0.371491032	-0.023597427	-0.209100616	-0.251079891	0.080780389	0.117126459
Roseburia_sp._AF15-21	0.283743147	0.276664351	0.239780795	0.226828463	0.120500454	0.248106762	0.186406331	0.336421501	0.191580976	-0.063519686	0.200075615	0.025580733	0.379537838	0.282877199	0.084814075	0.105365923	0.222347966	0.294033805	-0.099607141	-0.048578463	-0.005366132	0.040189732	0.056232672
Ruthenibacterium_lactatiformans	0.199849744	0.098645068	0.229978348	-0.055176753	-0.05771106	-0.20608258	-0.158301703	-0.100177474	-0.094478159	-0.462981566	-0.076776617	-0.084394209	-0.195935759	-0.073409278	-0.308611626	-0.100568066	-0.162127957	-0.276820823	-0.014325171	-0.226829694	-0.335705646	0.024120912	0.081299208
Salmonella_enterica	-0.139147552	-0.084491515	-0.035811074	0.081008967	-0.055580282	0.293792298	0.090615754	0.28474485	0.109279917	0.295933333	0.090183753	0.165137417	0.269018036	0.289609934	0.321456243	0.034027488	0.040329242	0.341571278	0.165919691	0.258350101	0.226010212	-0.15707685	-0.196880483
Shigella_flexneri	0.265364175	0.235380809	0.162978073	0.267875145	0.092791888	0.463003859	0.320440422	0.346516918	0.249164275	0.191337544	0.250452335	-0.017248199	0.177257778	0.304126835	0.172006908	-0.113378886	0.077120164	0.20482686	0.16512103	0.365903051	0.160408474	-0.265581723	-0.300389968
Streptococcus_pneumoniae	-0.175060995	-0.150210761	-0.058212469	-0.012337768	0.103390553	0.184730421	0.001250102	0.290426404	0.022963235	0.279687086	0.005889667	0.295076269	0.32998158	0.262888094	0.289766056	0.227545524	-0.046509279	0.431402277	0.141197298	0.119332156	0.253933292	-0.234529288	-0.241498025
Streptomyces_sp._alain-838	-0.158304652	-0.293675982	-0.548556278	-0.182490858	0.035441888	-0.303805743	-0.119935641	-0.080078727	-0.189674255	-0.020195506	-0.163728496	0.134644621	0.037201992	0.00806671	-0.014864008	0.130004788	0.047860804	0.090969299	-0.033223746	0.158027486	0.319498339	-0.125476336	-0.125971827
Subdoligranulum_sp._OF01-18	0.245460884	0.12456926	0.236772739	-0.02809937	-0.025482867	-0.164638493	-0.116291002	-0.024844216	-0.073964967	-0.416244669	-0.04793488	-0.034485276	-0.185001008	-0.025475687	-0.336779239	-0.033915595	-0.058659659	-0.26707259	-0.015238663	-0.227618407	-0.393931511	0.020874334	0.070022456
Sutterella_sp._AM11-39	-0.131137117	-0.101787974	0.072310082	-0.247897875	0.113702505	-0.335278271	-0.182590583	-0.219721704	-0.299570865	-0.23693258	-0.2535186	-0.024992954	-0.15434	-0.177961108	-0.124945975	0.090573947	-0.092647512	-0.208836522	-0.065508162	0.02660982	-0.130958412	0.024105907	0.061513862
[Clostridium]_scindens	0.57318864	0.262011226	0.179491802	0.464690952	0.452562754	0.397228516	0.366938933	0.445753881	0.408435681	0.046357836	0.44470044	0.511200101	0.226102807	0.477007066	-0.105634696	0.486224913	0.425375645	0.232233813	0.294294373	0.058291296	0.184766521	-0.470181308	-0.485517284
uncultured_Bacteroides_sp.	-0.090790291	-0.139541995	-0.01855759	-0.299254998	-0.075872806	-0.446075193	-0.386408649	-0.462232618	-0.283904425	-0.505722321	-0.295932753	0.006742955	-0.399220434	-0.401737895	-0.153021831	-0.036920057	-0.195354257	-0.402818749	0.022977728	-0.252487387	-0.215097213	0.054047558	0.104588286

X15.6_329.233mz_neg	X28.3_340.285mz_pos	X31.7_352.178mz_pos	X31.8_353.143mz_neg	X27.5_353.212mz_neg	X11.1_353.253mz_pos	X13.8_354.285mz_pos	X27.4_355.227mz_pos	X23.7_355.228mz_neg	X14.4_357.228mz_neg	X5.3_366.239mz_pos	X31.7_349.17mz_pos	X12.4_367.269mz_pos	X28.2_368.169mz_neg	X28.2_370.184mz_pos	X9.2_370.28mz_pos	X31.8_372.117mz_neg	X32.1_372.117mz_neg	X33.3_377.164mz_neg	X9.9_380.033mz_neg	X37.4_381.174mz_neg	X34.2_382.183mz_pos	X7.5_384.26mz_pos	X9.9_386.067mz_neg	X16.1_344.979mz_neg
0.199449611	0.001729883	-0.263361355	-0.178187648	-0.063826824	-0.120149688	-0.069178747	-0.200372602	-0.095029978	-0.24052335	-0.208736916	-0.146110232	-0.265150874	-0.01975815	-0.004086195	-0.041581555	-0.190301228	-0.194778699	-0.280582254	-0.201263366	-0.267838052	-0.200372602	-0.066844506	-0.200372602	0.339770007
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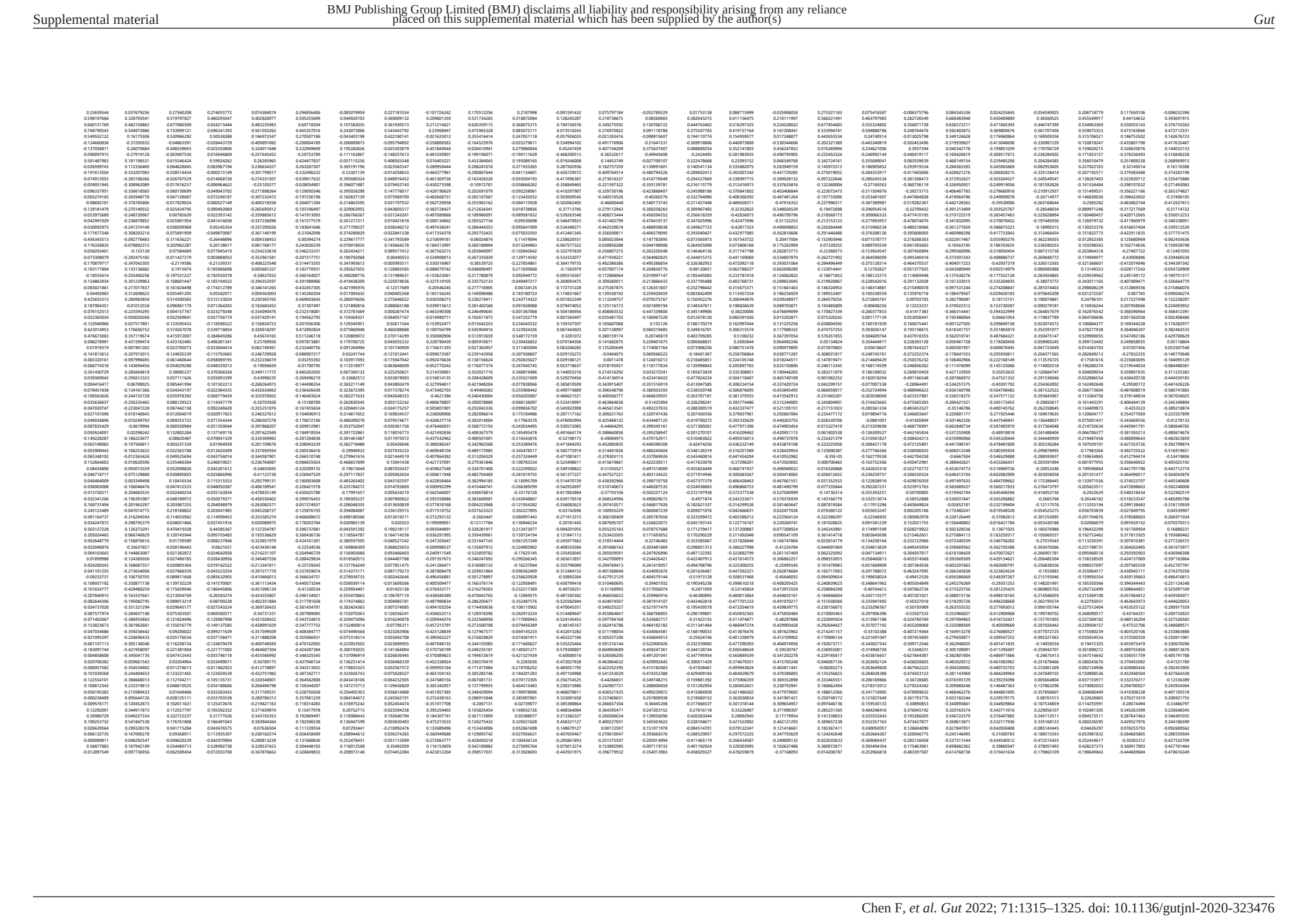

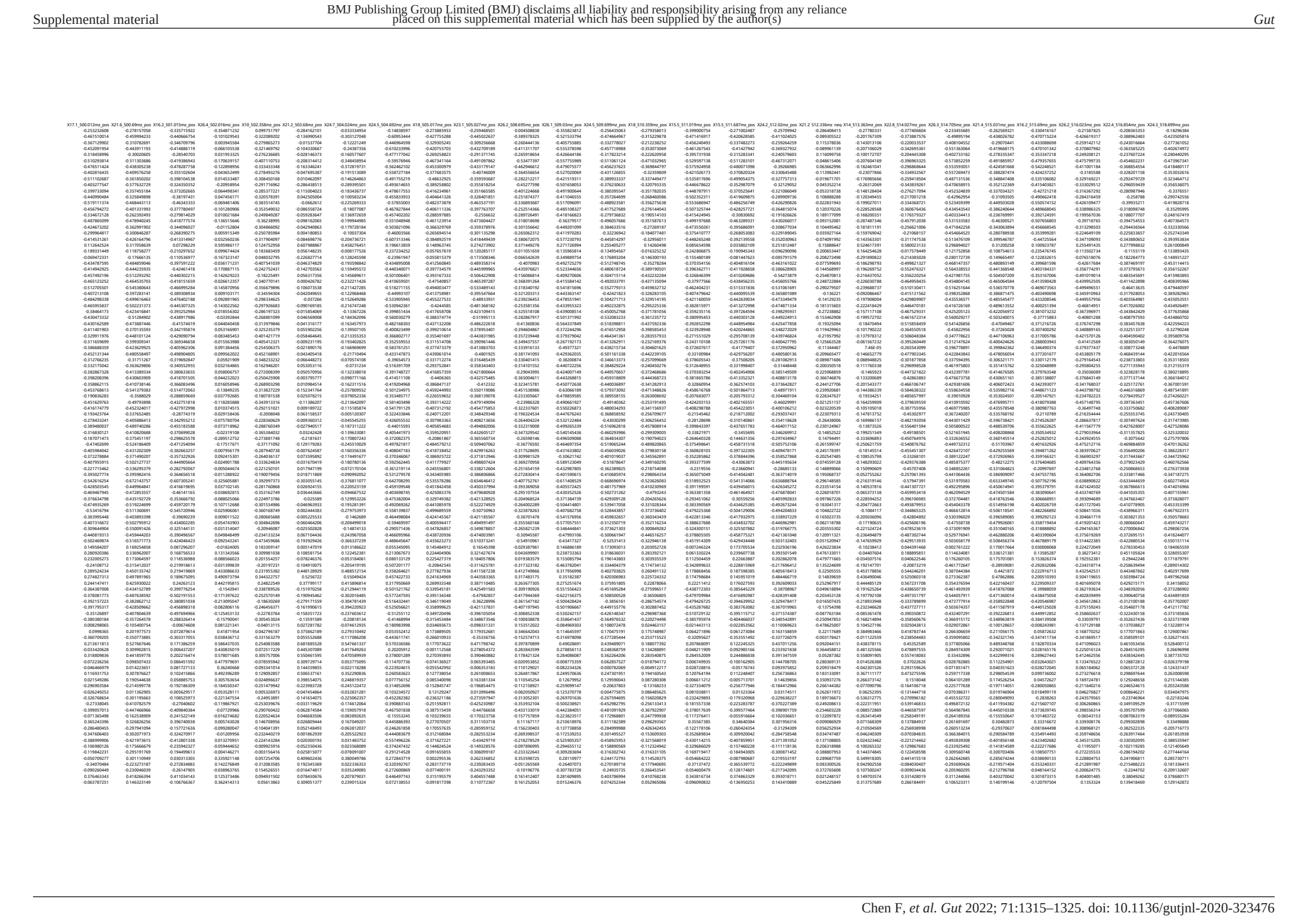
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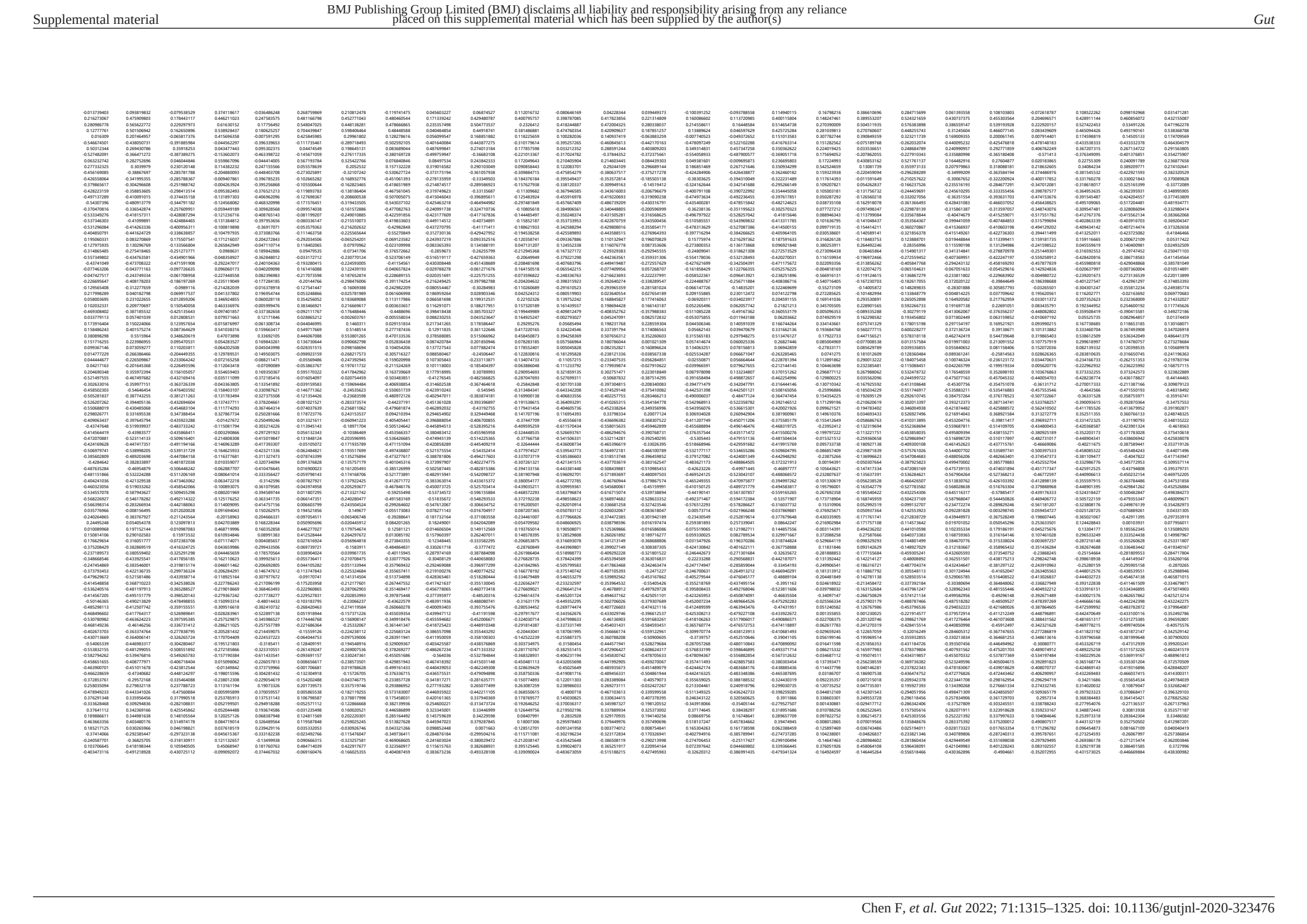

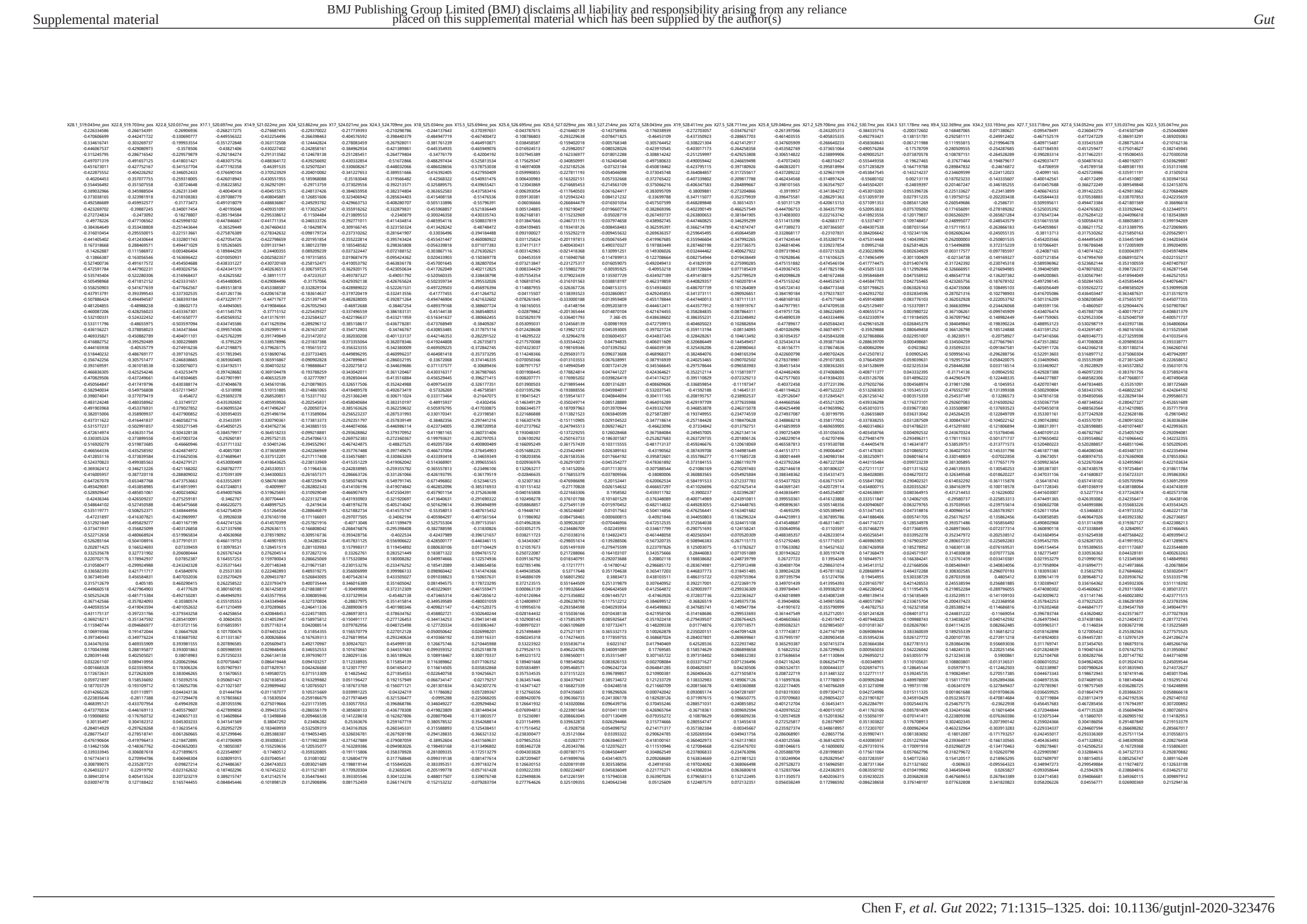
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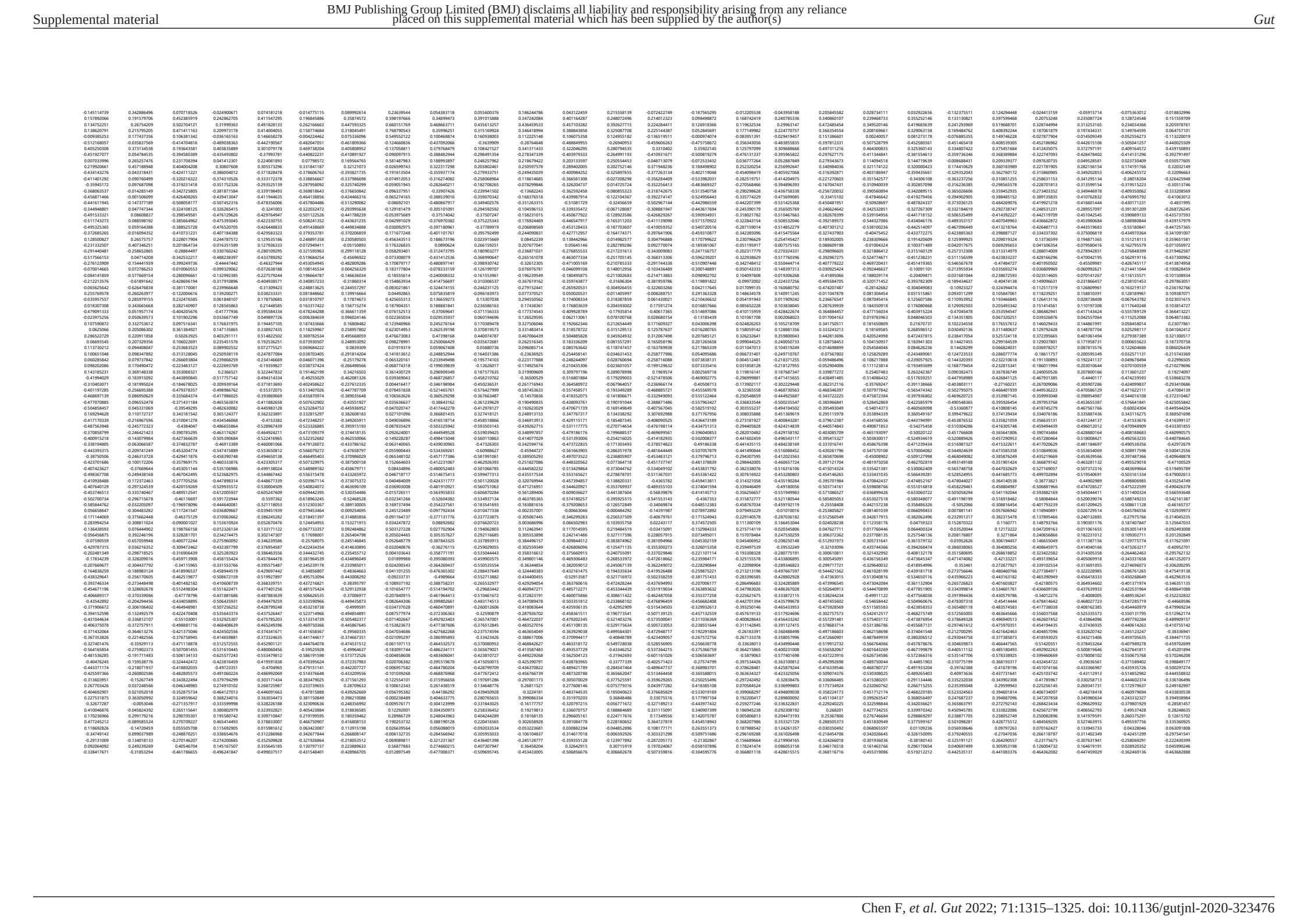

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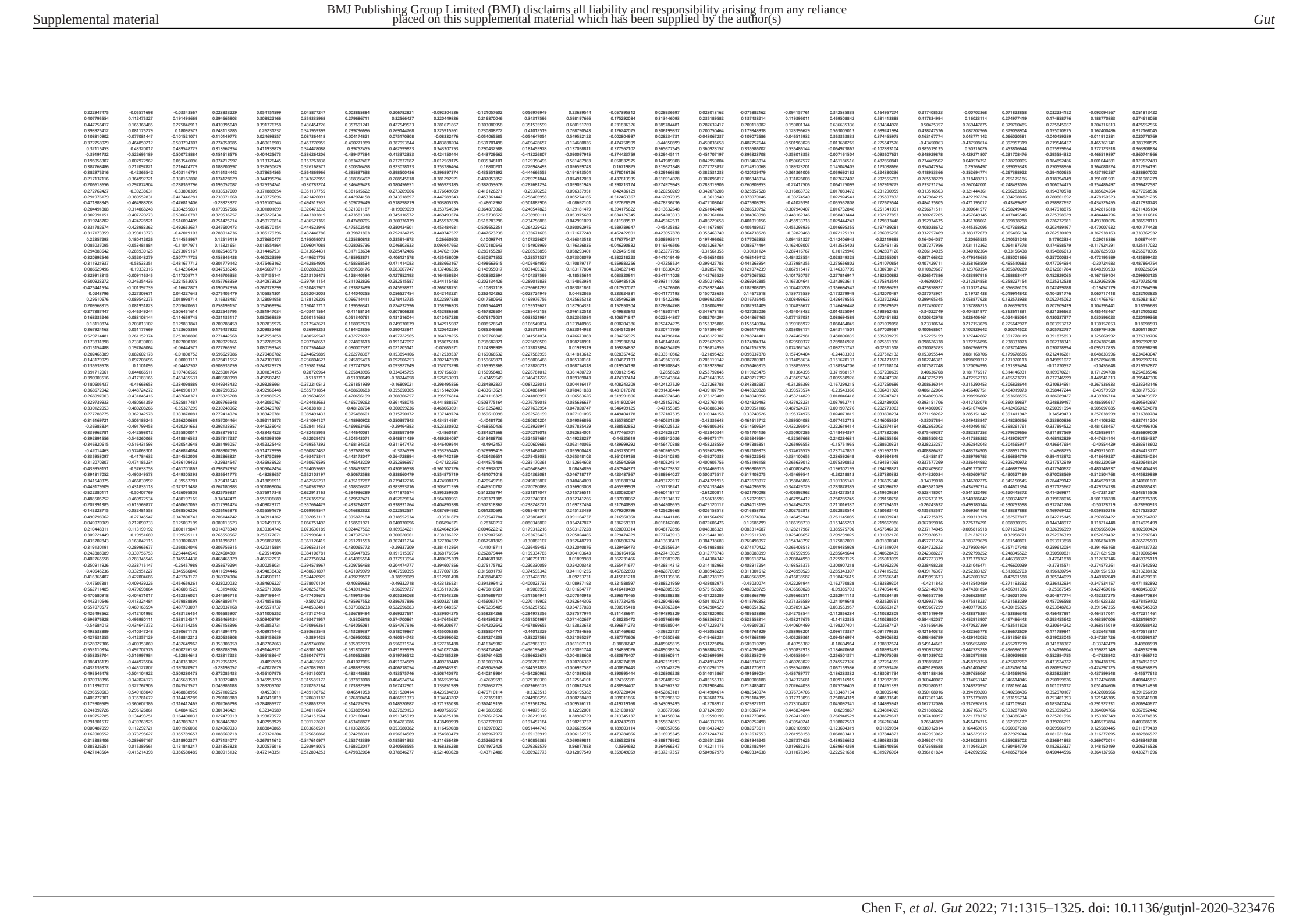

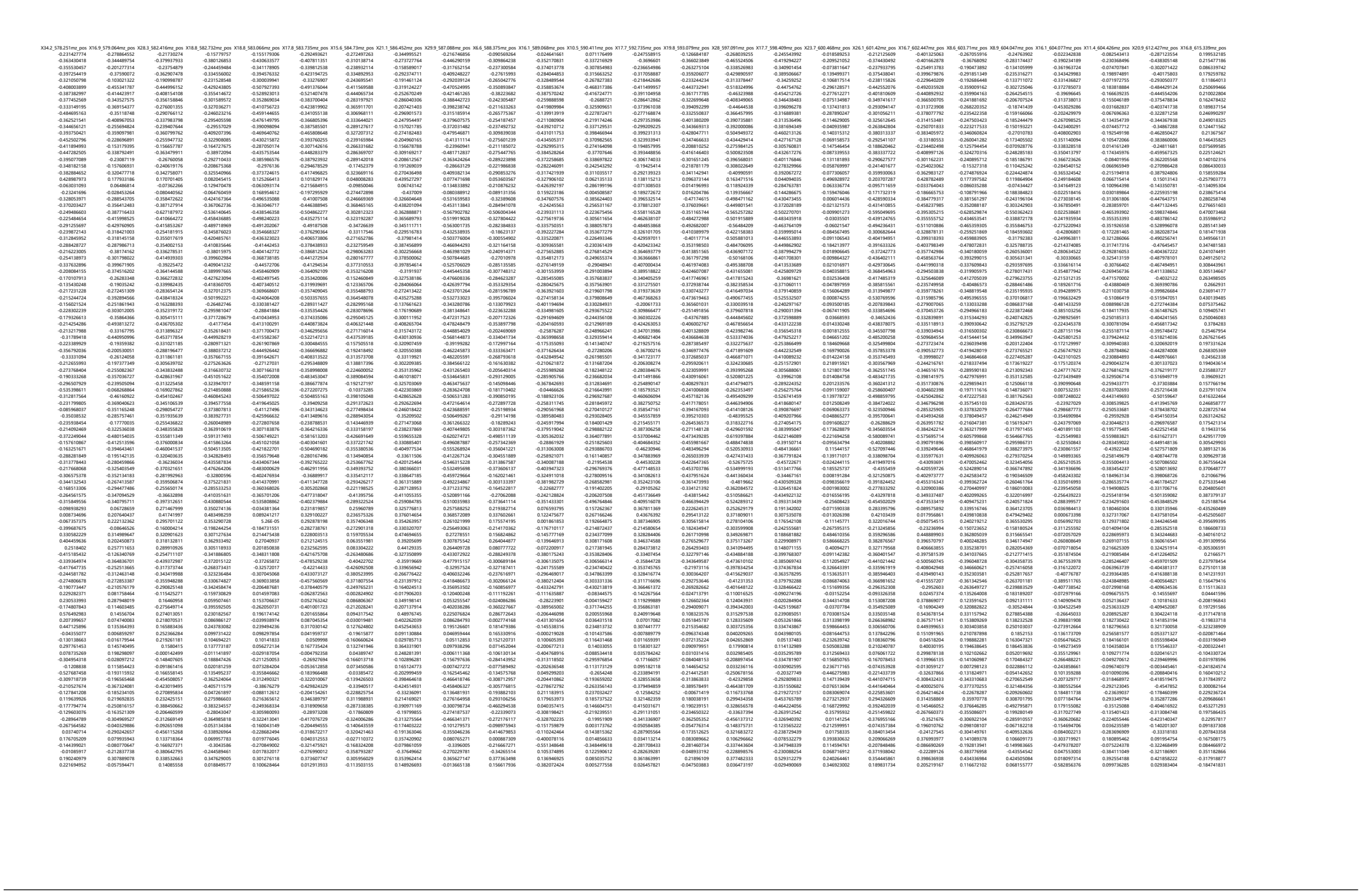

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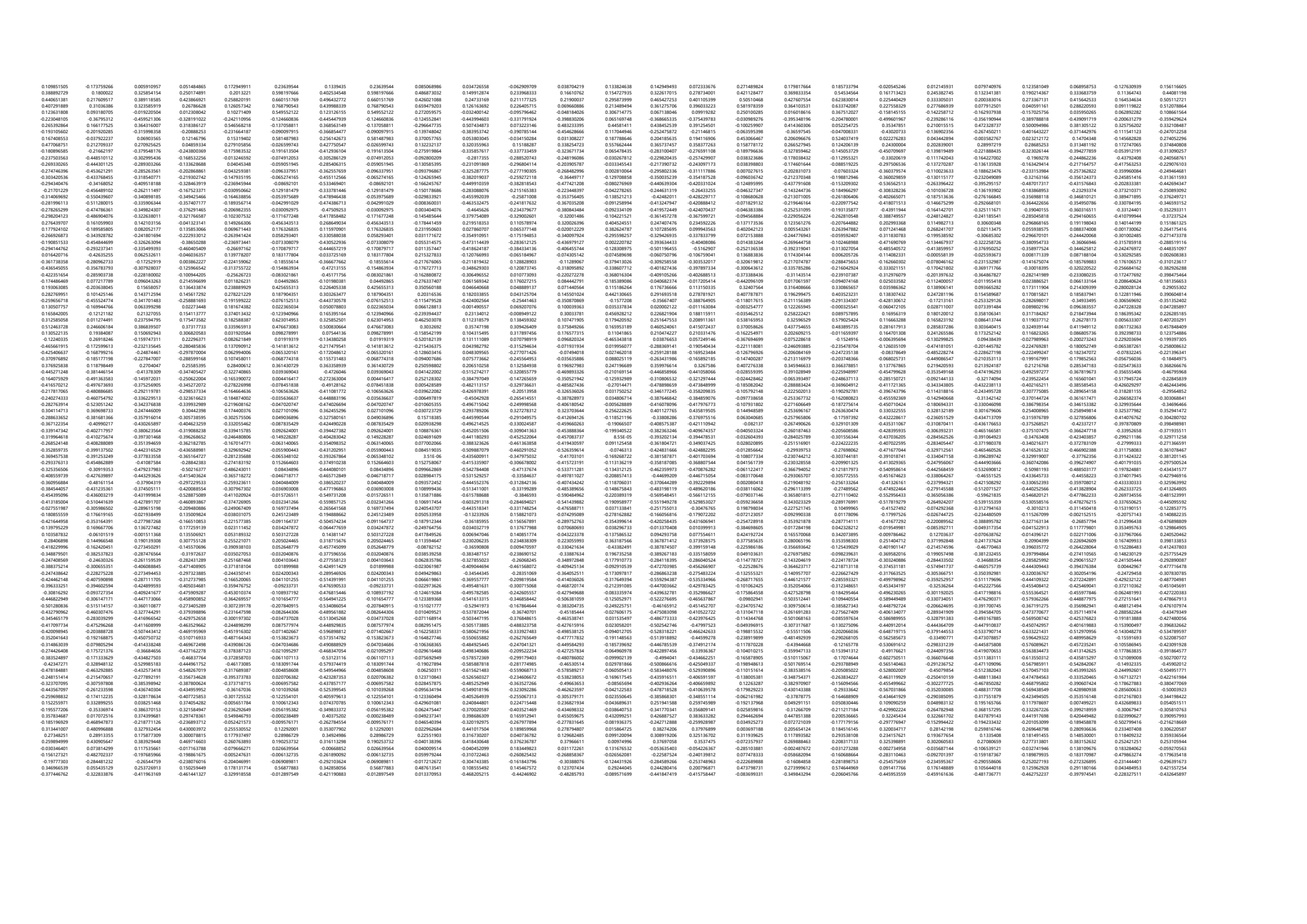

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