

Group	Mean EE_t2_Stool	Mean SE_t2_Stool
<i>Absiella_dolichum</i>	0.084639114	0.022985541
<i>Absiella_tortuosum</i>	0.340864833	0.162640508
<i>Acetatifactor_muris</i>	1.349234079	0.821001182
<i>Acetobacteroides_hydrogenigenes</i>	0	0.006770444
<i>Acutalibacter_muris</i>	0.018821343	0.26731231
<i>Agathobacter_ruminis</i>	0.002833263	0.068675084
<i>Agathobaculum_desmolans</i>	0.137149824	0.106359617
<i>Akkermansia_muciniphila</i>	0	0.049971955
<i>Alistipes_obesi</i>	0	0
<i>Alistipes_putredinis</i>	0.001321248	3.695362564
<i>Alistipes_senegalensis</i>	2.619534191	0.003806755
<i>Alkalibacter_saccharofermentans</i>	0	0
<i>Anaerocolumna_aminovalerica</i>	0.533746849	4.532261393
<i>Anaerocolumna_jejuensis</i>	0.002113997	0.217225099
<i>Anaerofilum_pentosovorans</i>	0.008546653	0.011527469
<i>Anaerofustis_stercorihominis</i>	0.071565598	0.005057587
<i>Anaeromassilibacillus_senegalensis</i>	0	0.002134237
<i>Anaeroplasma_abactoclasticum</i>	3.7158027	0.621261268
<i>Anaerosalibacter_massiliensis</i>	0.329887646	0.108708736
<i>Anaerostipes_butyricus</i>	0.176336535	0.372255857
<i>Anaerostipes_caccae</i>	0	0
<i>Anaerostipes_hadrus</i>	0.100891138	0.214746319
<i>Anaerotignum_aminivorans</i>	0.347283931	0.758161829
<i>Anaerotignum_propionicum</i>	0.097084337	0.096291755
<i>Anaerotruncus_colihominis</i>	0	0.004404135
<i>Anaerotruncus_rubiinfantis</i>	0.151465002	0.244312511
<i>Bacteroides_acidifaciens</i>	0	0.288749569
<i>Bacteroides_gallinaceum</i>	0.402321634	0.009170226
<i>Bacteroides_mediterraneensis</i>	2.850688975	1.016274832
<i>Bariatricus_massiliensis</i>	0.140948945	0.19662366
<i>Barnesiella_intestinihominis</i>	3.157799056	0.590977654
<i>Barnesiella_viscericola</i>	0.224356517	0.155319472
<i>Beduini_massiliensis</i>	0.16109202	0
<i>Bifidobacterium_pseudolongum</i>	0.000726929	0
<i>Blautia_hominis</i>	0	0.018426496
<i>Breznakia_blatticola</i>	0.008779093	0
<i>Breznakia_pachnodae</i>	0.09154811	0.012928379
<i>Butyricoccus_faecihominis</i>	1.465266155	1.371795828
<i>Butyricimonas_paravirosa</i>	0	0.024346664
<i>Catabacter_hongkongensis</i>	2.679427984	0.116403156
<i>Christensenella_timonensis</i>	0	0.001913143
<i>Chroococciopsis_thermalis</i>	0	0
<i>Clostridium_aestuarii</i>	0	0.058210019
<i>Clostridium_aldenense</i>	0	0.009196915
<i>Clostridium_cocleatum</i>	0.00609459	0
<i>Clostridium_colinum</i>	0.001849748	0
<i>Clostridium_herbivorans</i>	0.175322307	0.009353145
<i>Clostridium_innocuum</i>	0.016301944	0.017159037
<i>Clostridium_kluyveri</i>	0.220482318	0.000519103

Clostridium_leptum	0.033554908	0.116229693
Clostridium_sphenoides	0	0.182834473
Clostridium_viride	0.176341802	0.121967943
Cohaesibacter_haloalkalitolerans	0	0.068751558
Colidextribacter_massiliensis	0	0.001488
Comamonas_jiangduensis	0	0.013862032
Culturomica_massiliensis	0.00412598	0
Cuneatibacter_caecimuris	0.044732118	0.284715194
Desulfonatronum_lacustre	0	0.362418276
Desulfovibrio_longreachensis	0	0
Desulfovibrio_simplex	0	0
Dethiosulfovibrio_acidaminovorans	0	0.005266207
Dorea_longicatena	0.010528532	0.020456286
Dubosiella_newyorkensis	0	0
Dysgonomonas_capnocytophagoides	3.31325201	1.888129899
Eggerthella_timonensis	0.003963745	0.001639865
Enterobacter_asburiae	0.003287929	0
Enterobacter_cloacae	0.057093107	0
Ercella_succinigenes	0	0.001384275
Erysipelothrix_tonsillarum	0.001647627	0.001637519
Escherichia_fergusonii	0	0.00267543
Eubacterium_coprostanoligenes	0.436731688	0.008734114
Eubacterium_eligens	0.003699495	0
Eubacterium_hallii	0.005020744	0.271272316
Eubacterium_ramulus	0.013329721	0
Faecalicatena_orotica	0.017319109	0.012630373
Flavobacterium_phocarum	0	0.120660605
Flavonifractor_plautii	0.076610385	0.10550809
Flintibacter_butyricus	0.475087145	1.728518203
Gemmiger_formicilis	0	0.017403129
Gordonibacter_pamelaeae	0	0.000982511
Harryflintia_acetispora	0	0.003973736
Hathewayia_proteolytica	0.386703751	0.131253883
Helicobacter_macacae	0	0.173917505
Herbinix_hemicellulosilytica	0.007134741	0.942701072
Herbinix_luporum	8.290406027	7.141203626
Holdemanella_biformis	0.052526602	0.022777245
Hungateiclostridium_thermocellum	0	0
Hydrogenoanaerobacterium_saccharovorans	0.026706991	0.103452903
Ihubacter_massiliensis	0	0.006237828
Intestinimonas_butyriciproducens	0.077270693	0.058564097
Kineothrix_alysoides	4.824256826	20.16627262
Lachnoanaerobaculum_umeaense	1.560221274	3.388312548
Lactobacillus_johnsonii	0.355967751	0.023084035
Lactobacillus_reuteri	0	0
Longibaculum_muris	0.006042358	0.011875969
Longicatena_caecimuris	0.007541058	0
Magnetococcus_marinus	0	0.005257741
Marvinbryantia_formatexigens	0.607193776	2.868360654
Micropruina_glycogenica	0	0.440792109

Mobilisporobacter_senegalensis	0	0.006846069
Moryella_indoligenes	0.092867468	0.161648103
Mucispirillum_schaedleri	0	0
Muribaculum_intestinale	17.27628477	15.20997456
Murimonas_intestini	0.025642356	0.404913482
Negativibacillus_massiliensis	0	0
Neglecta_timonensis	0.039379535	0.002768549
Olsenella_scatoligenes	0	0
Oscillibacter_ruminantium	0.0246771	2.717197017
Oscillibacter_valericigenes	0.378832871	3.055932025
Paludicola_psychrotolerans	0	0.103695791
Parabacteroides_chartae	0	0.02341253
Parabacteroides_distasonis	19.73851984	11.90351846
Parabacteroides_gordonii	0	0.229113478
Parasutterella_excrementihominis	10.0669447	0.980918516
Peptoanaerobacter_stomatis	0.033893274	1.518029524
Peptoniphilus_phoceensis	0.323354138	0.008952551
Phocea_massiliensis	0.074379706	0.134456059
Porphyromonas_crevioricanis	0	0
Prevotella_dentalis	0	0
Prevotellamassilia_timonensis	0	1.008890061
Propionibacterium_namnetense	0.002746046	0.00549809
Pseudoclostridium_thermosuccinogenes	7.095689532	2.636743965
Pseudoflavonifractor_capillosus	0	0.070067458
Pseudoflavonifractor_phocaeensis	0.509031566	0.520078695
Pseudomonas_helleri	0.022636451	0.068006737
Risungbinella_pyongyangensis	0	0
Robinsoniella_peoriensis	0.006178897	0.062180518
Roseburia_hominis	0	0.023761553
Roseburia_intestinalis	0.001321248	0.01829608
Ruminiclostridium_sufflavum	0.012984627	0.041641024
Ruminococcus_faecis	0.007896399	0.079911996
Ruminococcus_gnavus	0.244307201	0.581140567
Ruthenibacterium_lactatiformans	0.041411685	0.092424468
Saccharofermentans_acetigenes	0	0.129113315
Selenomonas_infelix	0.032733012	0.007506314
Selenomonas_ruminantium	0.125389267	0.192475596
Serratia_liquefaciens	0	0
Serratia_quinivorans	0	0.00121124
Spiroplasma_culicicola	0	0
Sporobacterium_olearium	0	0
Stomatobaculum_longum	0.901846984	0.509752787
Streptomyces_aomiensis	0	0
Turicibacter_sanguinis	0	0
Ureaplasma_felinum	0	0
Wolinella_succinogenes	0.010333986	0.068084154

SEM EE_t2_Stool	SEM SE_t2_Stool	P_KW	Padj_KW
0.028103854	0.007804589	0.084767214	0.064538674
0.116196442	0.046591269	0.315343266	0.168728603
1.202255017	0.673176214	0.200609575	0.124452236
0	0.005261056	0.146793087	0.099344817
0.010532795	0.054917216	0.000112545	0.000279279
0.002833263	0.021031795	0.005555298	0.00775427
0.057610609	0.056773158	0.153710007	0.102985705
0	0.017750432	0.001906257	0.003022367
0	0	0	0
0.001321248	0.813079031	7.41269E-05	0.00019866
0.32949629	0.003806755	7.4127E-05	0.00019866
0	0	1E-11	3.35E-10
0.126906194	0.614531415	0.000157052	0.000362845
0.002113997	0.153036609	0.091233811	0.068681633
0.006130335	0.002754576	0.136376236	0.099317476
0.047107627	0.003849644	0.191974408	0.124036851
0	0.001483247	0.146793087	0.099344817
1.266923875	0.264074449	0.025692445	0.026081724
0.263662901	0.045881601	0.232284131	0.141482152
0.065105365	0.099208531	0.093125269	0.069326589
0	0	2E-11	4.46667E-10
0.058163301	0.099360055	0.370321259	0.19085788
0.09496715	0.139944053	0.031145571	0.029810761
0.050791044	0.011498982	0.048513114	0.041671521
0	0.002943104	0.146793087	0.099344817
0.039017712	0.051685049	0.173617334	0.114042759
0	0.191842383	0.013002048	0.014056282
0.065773369	0.009170226	7.4127E-05	0.00019866
0.553059663	0.319096626	0.023342202	0.024060424
0.05768183	0.049929576	0.195371354	0.124036851
0.756796509	0.083622044	0.000669729	0.001246441
0.046846959	0.038375733	0.272855968	0.164696846
0.081705193	0	0.001906257	0.003022367
0.000726929	0	0.317310508	0.168728603
0	0.007406516	0.013002048	0.014056282
0.006596343	0	0.146793087	0.099344817
0.026357715	0.006053533	0.002593446	0.003861352
0.428464778	0.338757979	0.82059584	0.38992852
0	0.012645899	0.068157367	0.052623361
1.054442757	0.057253563	0.001132354	0.002031237
0	0.001913143	0.317310508	0.168728603
0	0	3E-11	5.025E-10
0	0.022143672	0.013002048	0.014056282
0	0.007272011	0.068157367	0.052623361
0.003191844	0	0.068157367	0.052623361
0.001849748	0	0.317310508	0.168728603
0.09683314	0.009353145	0.045097987	0.039241106
0.013942402	0.010567944	0.619370552	0.302903847
0.047889352	0.000519103	0.000325373	0.000660606

0.01564068	0.043584875	0.197523156	0.124036851
0	0.080674724	0.013002048	0.014056282
0.020450326	0.012121038	0.041250017	0.036447018
0	0.024036632	0.013002048	0.014056282
0	0.001488	0.317310508	0.168728603
0	0.009389244	0.068157367	0.052623361
0.00412598	0	0.317310508	0.168728604
0.020226689	0.07303151	0.00179092	0.003022367
0	0.129980756	0.013002048	0.014056282
0	0	4E-11	5.36E-10
0	0	5E-11	5.58333E-10
0	0.005266207	0.317310508	0.168728604
0.010528532	0.013774557	0.543195216	0.272372068
0	0	6E-11	5.74286E-10
0.498249325	0.328195673	0.028365506	0.027948366
0.003963745	0.001095321	0.62669021	0.304262638
0.003287929	0	0.317310508	0.168728604
0.014083666	0	0.000642885	0.001230666
0	0.001384275	0.317310508	0.168728604
0.001647627	0.001637519	0.942166106	0.435345718
0	0.00178497	0.146793087	0.099344817
0.31609935	0.004476638	0.329219151	0.170989792
0.003699495	0	0.317310508	0.168728604
0.005020744	0.125265323	0.035999193	0.033040355
0.00894843	0	0.146793087	0.099344817
0.010646403	0.005734091	0.929321207	0.435345718
0	0.055802024	0.013002048	0.014056283
0.034312833	0.048753163	0.730294172	0.349497925
0.103038407	0.152733738	0.000285118	0.000596966
0	0.008044173	0.013002048	0.014056283
0	0.000982511	0.317310508	0.168728604
0	0.002149896	0.068157367	0.052623361
0.127008331	0.062070149	0.197072273	0.124036851
0	0.173917505	0.317310508	0.168728604
0.007134741	0.191505535	7.4127E-05	0.00019866
2.806095542	1.601633037	0.93974299	0.435345718
0.024908847	0.013113769	0.214537365	0.131871591
0	0	7E-11	5.8625E-10
0.013243865	0.022029204	0.006866005	0.00938821
0	0.003750868	0.068157367	0.052623361
0.02669367	0.021231366	0.643064447	0.309966316
1.020060295	2.270873357	0.000212183	0.000458589
0.513225159	0.937000685	0.198088702	0.124036851
0.142722989	0.006242251	0.003151445	0.004590148
0	0	8E-11	5.95556E-10
0.004037967	0.00641103	0.401595797	0.205396324
0.004455239	0	0.068157367	0.052623361
0	0.003965907	0.146793087	0.099344817
0.213578344	0.886402464	0.001939728	0.003022367
0	0.166559168	0.013002048	0.014056283

0	0.006846069	0.317310508	0.168728604
0.057146143	0.071944697	0.326497636	0.170901106
0	0	9E-11	6.03E-10
0.987226169	1.290417485	0.325751354	0.170901106
0.018992954	0.145548136	0.001995807	0.003039069
0	0	1E-10	6.09091E-10
0.01339357	0.002768549	0.013007306	0.014056283
0	0	1.1E-10	6.14167E-10
0.015470225	0.628941917	0.000112545	0.000279279
0.083312943	0.376692526	0.000157052	0.000362845
0	0.033177624	0.000642885	0.001230666
0	0.006442466	0.001906257	0.003022367
2.312203805	1.226201832	0.019109922	0.020323251
0	0.117973585	0.013002049	0.014056283
1.433587008	0.169747707	0.000212183	0.000458589
0.030021283	0.540235099	0.010314133	0.013820939
0.181267551	0.008952551	0.021101057	0.022090169
0.047714144	0.133367954	0.619370552	0.302903847
0	0	1.2E-10	6.18462E-10
0	0	1.3E-10	6.22143E-10
0	0.497971992	0.013002049	0.014056283
0.002746046	0.003276019	0.304305462	0.168728604
0.797859056	0.604933583	0.001152045	0.002031237
0	0.023680752	0.005175295	0.007377548
0.17947592	0.101811865	0.59656316	0.296072087
0.009003756	0.032760198	0.099544972	0.073291353
0	0	1.4E-10	6.25333E-10
0.006178897	0.024574712	0.035999193	0.033040355
0	0.0125211	0.068157367	0.052623361
0.001321248	0.012264225	0.465643287	0.236349244
0.007140841	0.009621977	0.026481566	0.026481566
0.007896399	0.053517824	0.041342887	0.036447019
0.072670896	0.289817365	0.544744136	0.272372068
0.01265043	0.018695385	0.031951802	0.0301517
0	0.06863553	0.030570458	0.029684357
0.015595849	0.003934057	0.159190752	0.105601786
0.017034567	0.026937664	0.041250017	0.036447019
0	0	1.5E-10	6.28125E-10
0	0.00121124	0.317310508	0.168728604
0	0	1.6E-10	6.30588E-10
0	0	1.7E-10	6.32778E-10
0.374757743	0.096546301	0.87982916	0.41513066
0	0	1.8E-10	6.34737E-10
0	0	1.9E-10	6.365E-10
0	0	2E-10	6.38095E-10
0.005152595	0.029198572	0.068331826	0.052623361

P_MW EE_t2_Stool vs SE_t2_Stool	Padj_MW EE_t2_Stool vs SE_t2_Stool
0.091917707	0.069982799
0.334316899	0.191194239
0.216029085	0.134018043
0.168078319	0.112612474
0.00013173	0.000326885
0.006328135	0.008833022
0.165465429	0.112612474
0.002212542	0.003447449
0	0
8.74499E-05	0.000234366
8.74499E-05	0.000234366
1E-11	3.35E-10
0.000182672	0.000422035
0.101161059	0.075308788
0.147603256	0.107493676
0.208333202	0.132500704
0.168078319	0.112612474
0.028306043	0.028734923
0.249388834	0.151900472
0.100986935	0.075308788
2E-11	4.46667E-10
0.393542195	0.202825593
0.034226151	0.033162913
0.053001755	0.045527149
0.168078319	0.112612474
0.185876732	0.122095501
0.01493139	0.016135534
8.74499E-05	0.000234366
0.025748081	0.026540329
0.208837679	0.132500704
0.000768539	0.001430336
0.289737063	0.174886335
0.002212542	0.003447449
0.368120251	0.191194239
0.01493139	0.016135534
0.168078319	0.112612474
0.002943268	0.004382198
0.850106739	0.403951429
0.077872471	0.059970754
0.00129295	0.002318455
0.368120251	0.191194239
3E-11	5.025E-10
0.01493139	0.016135534
0.077872471	0.059970754
0.077872471	0.059970754
0.368120251	0.191194239
0.05033092	0.043794437
0.654825694	0.320243223
0.000379666	0.000770837

0.21144913	0.132500704
0.01493139	0.016135534
0.04515457	0.040338082
0.01493139	0.016135534
0.368120251	0.191194239
0.077872472	0.059970754
0.368120251	0.191194239
0.002036932	0.003447449
0.01493139	0.016135534
4E-11	5.36E-10
5E-11	5.58333E-10
0.368120251	0.191194239
0.584248553	0.292124277
6E-11	5.74286E-10
0.031209013	0.030750057
0.670405296	0.323423118
0.368120251	0.191194239
0.000751179	0.001430336
0.368120251	0.191194239
1	0.462068966
0.168078319	0.112612474
0.35167852	0.191194239
0.368120251	0.191194239
0.040331464	0.037016549
0.168078319	0.112612474
0.964625855	0.451249642
0.01493139	0.016135534
0.759276935	0.363368248
0.000329839	0.000690599
0.01493139	0.016135534
0.368120251	0.191194239
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0.368120251	0.191194239
8.74499E-05	0.000234366
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0.230212247	0.141506611
7E-11	5.8625E-10
0.007706708	0.010537743
0.077872472	0.059970754
0.67098229	0.323423118
0.000246128	0.000531954
0.211605602	0.132500704
0.00356016	0.005185451
8E-11	5.95556E-10
0.428258045	0.219032741
0.077872472	0.059970754
0.168078319	0.112612474
0.00220222	0.003447449
0.01493139	0.016135534

0.368120251	0.191194239
0.347970917	0.191194239
9E-11	6.03E-10
0.344704222	0.191194239
0.002279065	0.003470394
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0.011611274	0.015559108
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0.570169972	0.287228482
0.035142788	0.033162913
0.034983096	0.033162913
0.172209707	0.114238122
0.04515457	0.040338082
1.5E-10	6.28125E-10
0.368120251	0.191194239
1.6E-10	6.30588E-10
1.7E-10	6.32778E-10
0.909721889	0.429234976
1.8E-10	6.34737E-10
1.9E-10	6.365E-10
2E-10	6.38095E-10
0.074556042	0.059970754