

phylum					
taxon	lfc_(Intercept)	lfc_pre-diet-AI	se_(Intercept)	se_pre-diet-AI	W_(Intercept)
1 Campilobacte	0.3903412	-0.77388873	0.51807644	0.73267073	0.75344325
2 Proteobacteri	0.30422178	-0.60164988	0.35729968	0.50529806	0.85144709
3 Firmicutes	-0.03311255	0.07301877	0.18862584	0.26675722	-0.17554622
4 Fusobacteriot	0.09614859	-0.18550352	0.23973125	0.33903119	0.40106825
5 Actinobacteric	0.24739363	-0.4879936	0.41033756	0.58030494	0.60290272
6 Bacteroidota	0.15289515	-0.29899664	0.3568714	0.50469238	0.42843207

phylum						
W_pre-diet-AI	p_(Intercept)	p_pre-diet-AF	q_(Intercept)	q_pre-diet-AF	diff_(Intercept	diff_pre-diet-A
-1.05625719	0.4511836	0.29085073	1	1	FALSE	FALSE
-1.19068315	0.39452104	0.23377799	1	1	FALSE	FALSE
0.27372746	0.86065046	0.78429408	1	1	FALSE	FALSE
-0.54715768	0.68836988	0.58427041	1	1	FALSE	FALSE
-0.84092614	0.5465734	0.40038931	1	1	FALSE	FALSE
-0.59243343	0.66833658	0.55356038	1	1	FALSE	FALSE

phylum

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		class			
	taxon	lfc_(Intercept)	lfc_pre-diet-A	se_(Intercept)	se_pre-diet-A W_(Intercept)
1	Campylobacte	0.3903412	-0.77388873	0.52675088	0.74493823
2	Gammaprotec	0.30387293	-0.6009522	0.36976846	0.52293157
3	Clostridia	-0.0676714	0.14213646	0.2329713	0.32947118
4	Fusobacteriia	0.09614859	-0.18550352	0.25794255	0.36478585
5	Coriobacteriia	0.24739363	-0.4879936	0.42123651	0.59571839
6	Negativicutes	0.29970395	-0.59261424	0.42320361	0.59850029
7	Bacilli	0.23129563	-0.45579759	0.30858605	0.43640657
8	Vampirivibrior	0.51844798	-1.03010228	0.35117482	0.4966362
9	Bacteroidia	0.15289515	-0.29899664	0.36935144	0.52234181

class						
W_pre-diet-AI	p_(Intercept)	p_pre-diet-AF	q_(Intercept)	q_pre-diet-AF	diff_(Intercept	diff_pre-diet-A
-1.03886295	0.4586718	0.29886848	1	1	FALSE	FALSE
-1.14919854	0.41119502	0.25047412	1	1	FALSE	FALSE
0.43140789	0.77145596	0.66617182	1	1	FALSE	FALSE
-0.50852717	0.70933306	0.61108369	1	1	FALSE	FALSE
-0.81916826	0.55699996	0.41269042	1	1	FALSE	FALSE
-0.99016533	0.47883404	0.32209331	1	1	FALSE	FALSE
-1.04443338	0.45353562	0.29628492	1	1	FALSE	FALSE
-2.07415869	0.13985681	0.03806458	1	0.34258118	FALSE	FALSE
-0.57241567	0.67890651	0.5670404	1	1	FALSE	FALSE

class

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order					
taxon	lfc_(Intercept)	lfc_pre-diet-A	se_(Intercept)	se_pre-diet-A	W_(Intercept)
1 Campylobacter	0.3903412	-0.77388873	0.53352405	0.75451694	0.73162813
2 Burkholderiales	0.31763113	-0.62846858	0.50370318	0.71234387	0.63059186
3 Aeromonadales	0.02491626	-0.04303884	0.65958612	0.93279563	0.03777559
4 Enterobacter	-0.00946161	0.02571688	0.54531787	0.77119593	-0.01735063
5 Peptostreptoc	-0.26807432	0.5429423	0.38901478	0.55014997	-0.68911089
6 Clostridiales	-0.21579128	0.43837623	0.43382355	0.61351915	-0.49741717
7 Peptococcales	0.21042911	-0.41406455	0.37351175	0.52822538	0.56338016
8 Lachnospirales	0.00203367	0.00272633	0.26828645	0.37941433	0.00758021
9 Oscillospirales	0.0084631	-0.01013253	0.42360049	0.59906156	0.01997896
10 Clostridia_UC	0.54923132	-1.09166898	0.40559668	0.57360032	1.3541317
11 Fusobacteriales	0.09614859	-0.18550352	0.2715065	0.38396818	0.35412998
12 Coriobacteriales	0.24739363	-0.4879936	0.42967618	0.60765389	0.57576762
13 Acidaminococ	0.38385889	-0.76092412	0.69240512	0.97920871	0.55438483
14 Veillonellales	0.08813669	-0.16947971	0.54219623	0.76678126	0.16255496
15 Erysipelotrich	0.19990978	-0.39302589	0.30263507	0.42799063	0.66056382
16 Lactobacillales	-0.17746296	0.36171958	0.36518625	0.51645135	-0.48595192
17 Acholeplasma	0.2820294	-0.55726514	0.4805731	0.67963299	0.58686057
18 Gastranaerob	0.51844798	-1.03010228	0.361255	0.51089173	1.43513023
19 Bacteroidales	0.15289515	-0.29899664	0.37894842	0.535914	0.4034722

order						
W_pre-diet-AI	p_(Intercept)	p_pre-diet-AF	q_(Intercept)	q_pre-diet-AF	diff_(Intercept	diff_pre-diet-A
-1.02567442	0.46439558	0.30504507	1	1	FALSE	FALSE
-0.8822545	0.52830742	0.3776392	1	1	FALSE	FALSE
-0.04613963	0.96986661	0.96319896	1	1	FALSE	FALSE
0.03334675	0.9861569	0.97339807	1	1	FALSE	FALSE
0.98689872	0.49075349	0.32369229	1	1	FALSE	FALSE
0.71452738	0.6188949	0.47490113	1	1	FALSE	FALSE
-0.78387856	0.57317604	0.43311137	1	1	FALSE	FALSE
0.00718563	0.99395192	0.99426674	1	1	FALSE	FALSE
-0.01691401	0.98406015	0.98650522	1	1	FALSE	FALSE
-1.90318752	0.17569436	0.05701608	1	1	FALSE	FALSE
-0.48312211	0.72324147	0.62900904	1	1	FALSE	FALSE
-0.80307821	0.56477226	0.42192953	1	1	FALSE	FALSE
-0.77708063	0.57931551	0.4371112	1	1	FALSE	FALSE
-0.22102745	0.87086885	0.82507106	1	1	FALSE	FALSE
-0.91830491	0.50889208	0.35845926	1	1	FALSE	FALSE
0.70039431	0.62700126	0.48368109	1	1	FALSE	FALSE
-0.8199501	0.55729735	0.41224456	1	1	FALSE	FALSE
-2.01628296	0.15124999	0.0437704	1	0.83163752	FALSE	FALSE
-0.55791907	0.68660088	0.57689965	1	1	FALSE	FALSE

order

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		family		
taxon	lfc_(Intercept)	lfc_pre-diet-AFR	se_(Intercept)	se_pre-diet-AFR
1 Campylobacteraceae	0.10444474	-0.202095815	0.51396322	0.72685376
2 Helicobacteraceae	0.51024781	-1.01370196	0.52748457	0.74597583
3 Sutterellaceae	0.31763113	-0.628468583	0.47658339	0.6739907
4 Succinivibrionaceae	0.02491626	-0.043038843	0.63911554	0.90384587
5 Enterobacteriaceae	-0.00765385	0.02210137	0.51950451	0.73469033
6 Peptostreptococcaceae	-0.26995039	0.546694454	0.35347886	0.4998946
7 Anaerovoracaceae	-0.02533397	0.057461602	0.13445597	0.19014946
8 Clostridiaceae	-0.21579128	0.43837623	0.40201705	0.56853796
9 Peptococcaceae	0.21042911	-0.414064549	0.33604443	0.4752386
10 Lachnospiraceae	0.00203367	0.002726332	0.21305505	0.30130534
11 Oscillospiraceae	0.69911829	-1.391442907	0.44668527	0.63170837
12 Butyricicoccaceae	0.37905993	-0.751326201	0.31706199	0.44839336
13 Ruminococcaceae	-0.15275911	0.312311883	0.51636561	0.73025125
14 Clostridia_UCG-014	0.54923132	-1.091668976	0.37138053	0.52521139
15 Fusobacteriaceae	0.09614859	-0.185503518	0.21709587	0.30701993
16 Eggerthellaceae	0.01388143	-0.020969194	0.12607742	0.17830039
17 Coriobacteriaceae	0.25105819	-0.49532272	0.39639658	0.56058942
18 Acidaminococcaceae	0.38385889	-0.760924119	0.67293364	0.95167188
19 Selenomonadaceae	0.01339296	-0.019992244	0.52360283	0.74048623
20 Erysipelatoclostridiaceae	0.33247502	-0.65815638	0.34064967	0.48175138
21 Erysipelotrichaceae	0.25022231	-0.493650947	0.32717841	0.46270015
22 Streptococcaceae	-0.17746296	0.361719585	0.32676572	0.46211651
23 Acholeplasmataceae	0.2820294	-0.557265137	0.45206785	0.63932048
24 uncultured_1	0.1710397	-0.335285733	0.26279894	0.37165382
25 Gastranaerophilales	0.51844798	-1.030102284	0.32236627	0.45589476
26 Tannerellaceae	1.2207507	-2.434707735	0.45792084	0.64759786
27 Rikenellaceae	0.4239089	-0.841024133	0.42079823	0.59509856
28 Marinifilaceae	0.14300108	-0.279208493	0.15054854	0.21290779
29 Muribaculaceae	0.21151574	-0.416237815	0.33672434	0.47620013
30 Bacteroidaceae	0.30481044	-0.602827212	0.33715391	0.47680763
31 Prevotellaceae	0.25505969	-0.503325711	0.70646494	0.9990923

family						
W_(Intercept)	W_pre-diet-AI	p_(Intercept)	p_pre-diet-AF	q_(Intercept)	q_pre-diet-AF	diff_(Intercept)
0.20321443	-0.27804192	0.83896744	0.78098018	1	1	FALSE
0.96732273	-1.35889383	0.33338273	0.17418023	1	1	FALSE
0.66647544	-0.93245884	0.50510726	0.35109945	1	1	FALSE
0.03898553	-0.04761746	0.96890193	0.96202112	1	1	FALSE
-0.01473298	0.03008257	0.98824521	0.9760012	1	1	FALSE
-0.763696	1.09361944	0.44504842	0.27412192	1	1	FALSE
-0.1884183	0.30219177	0.85054875	0.76250588	1	1	FALSE
-0.53677147	0.77105885	0.59142548	0.44067205	1	1	FALSE
0.6261943	-0.87127719	0.53118751	0.38360282	1	1	FALSE
0.00954527	0.0090484	0.99238409	0.99278052	1	1	FALSE
1.565125	-2.20266657	0.1175536	0.02761826	1	0.8009295	FALSE
1.19553889	-1.67559618	0.23187655	0.09381732	1	1	FALSE
-0.29583517	0.4276773	0.76735596	0.66888608	1	1	FALSE
1.47889098	-2.07853257	0.13916946	0.03766033	1	1	FALSE
0.44288541	-0.60420677	0.65784862	0.54570618	1	1	FALSE
0.11010244	-0.11760599	0.91232813	0.90637986	1	1	FALSE
0.63335106	-0.88357486	0.52650442	0.37692575	1	1	FALSE
0.57042607	-0.79956562	0.56838875	0.42396251	1	1	FALSE
0.02557846	-0.02699881	0.97959356	0.97846069	1	1	FALSE
0.97600278	-1.36617435	0.32906309	0.17188425	1	1	FALSE
0.76478857	-1.0668917	0.44439746	0.28602074	1	1	FALSE
-0.54308928	0.78274543	0.58706833	0.43377662	1	1	FALSE
0.62386521	-0.87165226	0.53271611	0.38339811	1	1	FALSE
0.65083864	-0.90214526	0.51515066	0.36697971	1	1	FALSE
1.6082575	-2.25951773	0.10777879	0.0238512	1	0.71553595	FALSE
2.66585533	-3.75959819	0.00767927	0.00017019	0.23805747	0.00527578	FALSE
1.00739232	-1.41325184	0.31374628	0.15758169	1	1	FALSE
0.94986691	-1.3114057	0.34217988	0.18972073	1	1	FALSE
0.62815697	-0.87408169	0.52990111	0.38207377	1	1	FALSE
0.90406912	-1.26429858	0.36595875	0.20612288	1	1	FALSE
0.36103658	-0.50378299	0.7180721	0.61441388	1	1	FALSE

family

diff_pre-diet-AFR

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		genus		
taxon	lfc_(Intercept)	lfc_pre-diet-Al	se_(Intercept)	se_pre-diet-Al
1 Genus:Campylobacter	0.10444474	-0.20209582	0.52139901	0.73736955
2 Genus:Helicobacter	0.51024781	-1.01370196	0.53473237	0.75622577
3 Genus:Sutterella	0.27110968	-0.5354257	0.47436303	0.67085064
4 Genus:Parasutterella	0.48767761	-0.96856156	0.55650535	0.78701742
5 Genus:Anaerobiospirillum	0.32414711	-0.64150055	0.65906976	0.93206539
6 Genus:Succinivibrio	-0.10892216	0.22463798	0.43666003	0.61753054
7 Genus:Escherichia-Shigella	-0.00756585	0.02192537	0.52473787	0.74209141
8 Genus:Romboutsia	-0.44977169	0.90633706	0.41989479	0.59382091
9 Genus:[Eubacterium]_brachy	-0.02533397	0.0574616	0.16055261	0.22705568
10 Genus:Peptoclostridium	0.20031237	-0.39383107	0.44133643	0.62414397
11 Genus:Terrisporobacter	-0.39567274	0.79813914	0.29189497	0.41280182
12 Genus:Candidatus_Arthromit	-0.09850245	0.20379857	0.19084804	0.26989989
13 Genus:Clostridium_sensu_sti	-0.16321468	0.33322304	0.41652887	0.58906077
14 Genus:Peptococcus	0.21042911	-0.41406455	0.34731051	0.49117124
15 Genus:Epulopiscium	-0.22914612	0.46508591	0.22422492	0.31710192
16 Family:Lachnospiraceae	0.33880811	-0.67082255	0.36108731	0.51065456
17 Genus:Tuzzerella	0.22742451	-0.44805535	0.30020898	0.42455961
18 Genus:Tyzzerella	-0.03344468	0.07368303	0.32789236	0.46370983
19 Family:Oscillospiraceae	0.06759229	-0.12839091	0.1923433	0.27201451
20 Genus:Colidextribacter	0.33896942	-0.67114517	0.27305994	0.38616507
21 Genus:Flavonifractor	0.26873564	-0.53067761	0.40571447	0.5737669
22 Genus:Intestinimonas	0.07028306	-0.13377245	0.25950986	0.36700236
23 Genus:Butyricicoccus	0.04744723	-0.08810078	0.30551134	0.43205827
24 Genus:uncultured_1	0.47781671	-0.94883975	0.43636842	0.61711813
25 Genus:Incertae_Sedis	-0.13225062	0.27129491	0.18770751	0.26545851
26 Genus:uncultured_2	0.4034586	-0.80012353	0.30875036	0.43663895
27 Genus:Negativibacillus	0.92732487	-1.84785607	0.40082343	0.56684993
28 Family:Ruminococcaceae	-0.21479702	0.43638771	0.37010644	0.52340955
29 Genus:Fournierella	0.04846767	-0.09014166	0.29405015	0.41584971
30 Genus:Faecalibacterium	-0.34204108	0.69087583	0.66685311	0.94307271
31 Genus:Oscillibacter	0.21027351	-0.41375335	0.24894392	0.35205987
32 Genus:UCG-005	0.45152297	-0.89625227	0.52213759	0.73841406
33 Genus:Clostridia_UCG-014	0.54923132	-1.09166898	0.38160481	0.5396707
34 Genus:Lachnoclostridium	0.23033436	-0.45387506	0.32666612	0.46197566
35 Genus:uncultured_3	0.21419057	-0.42158748	0.31035155	0.43890338
36 Genus:Lachnospiraceae_NK	0.02532471	-0.04385575	0.40405823	0.57142463
37 Genus:Lachnospiraceae_UC	0.00732232	-0.00785098	0.19511386	0.27593266
38 Genus:[Ruminococcus]_torqi	0.2003659	-0.39393814	0.34666265	0.49025502
39 Genus:Sellimonas	0.1066189	-0.20644413	0.23690611	0.33503583
40 Genus:Blautia	-0.14433515	0.29546397	0.24923643	0.35247354
41 Genus:[Ruminococcus]_gnav	-0.26512273	0.53703914	0.38527346	0.54485895
42 Genus:Roseburia	0.44207938	-0.8773651	0.35747241	0.50554233
43 Genus:[Ruminococcus]_gauv	0.06598454	-0.12517542	0.27266304	0.38560376
44 Genus:Lachnospira	-0.54868192	1.10415751	0.31436691	0.44458195
45 Genus:Fusobacterium	0.09614859	-0.18550352	0.23415668	0.33114755
46 Genus:Slackia	0.01388143	-0.02096919	0.15360419	0.21722913
47 Genus:Collinsella	0.25105819	-0.49532272	0.40599136	0.57415848
48 Genus:Phascolarctobacteriur	0.38385889	-0.76092412	0.67862981	0.95972748
49 Genus:Megamonas	0.01339296	-0.01999224	0.53090363	0.75081111
50 Genus:Candidatus_Stoquefic	0.03231762	-0.05784157	0.24602268	0.34792861
51 Genus:Catenibacterium	-0.45344455	0.91368276	0.34339536	0.48563438
52 Genus:Erysipelatoclostridium	0.60692826	-1.20706285	0.36825096	0.52078551
53 Genus:Erysipelotrichaceae_L	-0.01347252	0.0337387	0.24386106	0.34487161
54 Genus:Turicibacter	-0.33970817	0.68621	0.40618249	0.57442878
55 Genus:Streptococcus	-0.17746296	0.36171958	0.3383409	0.47848629

	genus			
56 Genus:uncultured_4	0.22795887	-0.44912408	0.30804101	0.43563578
57 Genus:Anaeroplasma	0.2820294	-0.55726514	0.46050415	0.65125121
58 Genus:uncultured_5	0.1710397	-0.33528573	0.27705958	0.39182142
59 Genus:Faecalitalea	-0.06058223	0.12795813	0.42883109	0.60645874
60 Genus:Holdemanella	-0.12671568	0.26022504	0.41161982	0.58211834
61 Genus:Allobaculum	0.55000057	-1.09320747	0.53558084	0.75742568
62 Genus:Gastranaerophilales	0.51844798	-1.03010228	0.33409392	0.47248015
63 Genus:Parabacteroides	1.2207507	-2.43470774	0.46625125	0.65937884
64 Genus:Rikenellaceae_RC9_c	0.4239089	-0.84102413	0.42984867	0.60789782
65 Genus:Odoribacter	0.14300108	-0.27920849	0.17425153	0.24642888
66 Genus:Muribaculaceae	0.21151574	-0.41623781	0.34796841	0.49210164
67 Genus:Bacteroides	0.30481044	-0.60282721	0.34838411	0.49268954
68 Genus:Prevotellaceae_Ga6A	-0.1858007	0.37839506	0.63921071	0.90398045
69 Genus:Prevotella	-0.75498125	1.51675618	0.78657528	1.11238543
70 Genus:Alloprevotella	0.5612114	-1.11562914	0.75760151	1.07141032

genus

W_(Intercept)	W_pre-diet-AI	p_(Intercept)	p_pre-diet-AF	q_(Intercept)	q_pre-diet-AF	diff_(Intercept)
0.20031634	-0.2740767	0.84123318	0.78402568	1	1	FALSE
0.95421158	-1.3404753	0.33997656	0.18009087	1	1	FALSE
0.57152363	-0.79812952	0.56764475	0.42479533	1	1	FALSE
0.87632151	-1.2306736	0.38085527	0.21844497	1	1	FALSE
0.49182519	-0.68825702	0.62284293	0.49129094	1	1	FALSE
-0.24944385	0.36376822	0.80301747	0.7160311	1	1	FALSE
-0.01441835	0.02954538	0.98849622	0.97642962	1	1	FALSE
-1.0711533	1.52628013	0.28410051	0.12694012	1	1	FALSE
-0.15779231	0.25307274	0.87462046	0.80021201	1	1	FALSE
0.45387681	-0.63099396	0.6499175	0.52804448	1	1	FALSE
-1.35553122	1.93346809	0.17524837	0.05317856	1	1	FALSE
-0.51613027	0.7550895	0.60576343	0.45019528	1	1	FALSE
-0.39184484	0.56568533	0.69517286	0.57160771	1	1	FALSE
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genus

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