

Supplementary Figure

	0w						4w						8w						12w						16w					
	Case1	Case2	Case3	Case4	Case5	Case6	Case1	Case2	Case3	Case4	Case5	Case6	Case1	Case2	Case3	Case4	Case5	Case6	Case1	Case2	Case3	Case4	Case5	Case6	Case1	Case2	Case3	Case4	Case5	Case6
f__Ruminococcaceae;g__	11.14964	8.489733	14.34595	30.62106	9.338639	12.95253	6.430139	7.63211	0.691796	13.35709	23.7926	27.66971	13.47492	4.871359	4.419828	16.30764	26.56167	19.62114	11.76651	5.678594	7.652223	no data	18.93726	13.90126	6.613218	7.438645	6.143352	16.37873	21.41452	7.491839
g__Bifidobacterium	0.006799	10.97604	0.263545	4.341649	0.243322	0.026176	8.048009	49.58082	50.30067	41.93129	10.11692	0.263234	2.527241	35.98582	44.88201	36.69906	8.568281	0.988486	0.071578	8.04481	9.187424	no data	3.225389	0.031157	0.064491	5.174455	0.168989	2.737629	0.713711	0.006422
g__Blautia	2.950936	6.499692	7.182973	5.117626	16.35291	16.3076	12.62936	2.728332	1.659822	3.057675	4.263543	12.20804	2.349793	2.858334	3.904811	3.93222	5.198147	16.96721	2.192617	4.530948	5.725653	no data	16.58619	4.777421	1.508201	13.1934	15.10181	3.780842	12.99257	7.084069
g__Streptococcus	1.597857	17.86208	0.696123	0.18853	11.80754	3.615692	4.865011	13.15604	2.635181	0.433048	15.12233	5.311531	2.26107	29.83447	0.594934	0.420975	9.430155	10.07297	6.99125	8.670213	1.202214	no data	16.1993	2.192681	0.299002	7.036674	1.145825	0.062722	15.71359	1.694226
g__Bacteroides	7.03193	2.744425	0.432578	17.21905	6.932858	19.44871	9.695812	1.924434	3.410091	2.511523	3.435613	7.708524	6.906591	2.919287	0.958998	3.990485	10.23821	3.076886	7.9203	20.51902	4.255319	no data	4.363224	4.365888	1.373357	6.639089	5.922842	7.082968	4.065604	12.1539
f__Lachnospiraceae;g__	4.535194	9.871938	8.037224	6.164103	16.44255	6.501872	2.749665	4.270504	2.76474	7.447031	3.160378	6.471546	2.119666	1.174131	4.717295	8.337179	3.281845	10.16283	1.638985	4.961315	7.392752	no data	5.098171	4.391852	2.340716	5.955009	12.61438	15.12337	6.131065	5.572858
f__Enterobacteriaceae;Other	0.44332	2.664491	0.141769	0.193994	0.039334	0.607737	10.86752	0.141092	0.136893	0.03641	0.000742	8.786089	7.042449	5.681381	0.077697	0.054883	0.005045	0.42415	5.045503	3.989362	1.13086	no data	0.002285	38.0519	49.48921	3.489103	0.088616	1.994189	0.005576	32.27377
f__Lachnospiraceae;g__[Ruminococcus]	16.87065	5.197422	13.31177	7.172327	7.763447	2.525408	12.01072	0.907256	2.862521	1.494364	2.59062	3.645125	8.984667	0.434685	3.096766	1.138816	2.080268	6.047136	11.04197	6.017086	2.787148	no data	6.503328	2.057667	8.396969	6.541154	4.533839	1.746991	5.46435	3.315674
f__Ruminococcaceae;g__Ruminococcus	30.13898	5.863545	16.76148	0.382524	3.533663	12.26058	5.470821	0.838351	0.300675	0.899407	6.61157	1.288286	20.22763	0.014436	1.036695	1.561038	5.237667	2.589233	0.064274	1.879433	2.272531	no data	2.496535	0.166171	5.761649	4.607311	0.950045	0.718535	5.57985	1.211537
o__Clostridiales;f__g__	2.485857	5.733651	9.00598	2.314271	10.35218	2.585726	3.101748	2.821846	3.979662	2.665685	5.430509	1.783523	4.140904	0.850122	5.125758	2.550174	3.920052	2.991817	1.406722	2.749839	4.832641	no data	6.491143	1.609783	1.553637	9.534738	10.89152	1.854909	5.90803	1.001766
g__Oscillospira	3.333061	1.627005	3.215253	1.478182	1.397731	1.849386	2.21085	0.615228	1.263811	0.186699	4.357019	1.171169	6.243935	0.038496	5.156836	0.242606	2.997637	1.908676	1.589319	0.680206	8.750649	no data	1.626784	0.913942	1.219459	1.129902	7.534416	0.317299	2.260616	1.109862
f__Clostridiaceae;g__	1.56114	1.900115	4.663843	3.024673	0.719905	0.260621	5.594834	0.838351	1.019361	0.460162	0.986691	0.342428	1.322539	0.944758	0.985637	0.302478	1.232689	0.179725	16.831	2.857834	1.556824	no data	0.9977	4.033546	2.724728	5.46095	2.137087	0.217682	0.76947	2.309627
f__Enterobacteriaceae;g__	1.506745	0.656131	0.149039	0.051914	0.01921	0.154779	1.203068	0.090233	0.036668	2.789635	0.001484	1.482366	4.763357	1.081098	0.013319	2.709833	0.002523	0.119816	4.265451	0.720503	0.391368	no data	0.017517	4.789105	5.546191	0.827328	0.391559	24.04833	0	3.976026
g__Dorea	3.770942	3.09414	2.173795	1.710429	1.184596	5.158933	2.004162	0.063984	0.704019	0.811868	0.664718	3.292658	0.783264	0.137944	0.193132	0.825735	0.578506	3.018176	2.281724	2.187299	1.444387	no data	1.035019	3.25332	0.869157	2.088784	2.532767	0.568187	0.739201	4.631027
g__Collinsella	0.00136	1.413845	4.778349	2.016449	0.12532	1.317901	0	1.917871	11.18363	1.97002	0.723326	1.899525	0.004159	1.78686	5.174595	1.776827	0.498625	4.968788	0.011686	1.640877	2.996886	no data	0.574249	7.732192	0.01026	1.00858	0.980958	0.366185	0.396683	0.431316
g__Roseburia	0.013599	2.519609	1.933877	0	0.026528	0.742031	0.021382	1.082802	1.036472	1.670217	0.101637	0.37589	0.008318	1.127615	1.917997	2.272642	0.185828	1.452175	0	3.268859	8.726864	no data	0.639747	0.364798	0.011726	3.193837	3.262303	9.766176	0.643614	1.22331
g__Faecalibacterium	0.129188	0.81267	0	8.423727	0.864435	0.917295	0.297916	1.724279	0.004889	3.107255	1.460748	4.299864	0.389553	1.227063	0	3.420813	1.890235	1.278441	1.151088	0.746293	0.002162	no data	1.441715	1.777253	0.165624	0.884335	0	3.767929	1.957926	0.65179
g__Prevotella	0.013599	0.021649	0.723386	0	0.007318	0.314111	0.025658	0.011484	5.622372	0.003873	0	4.048899	0.005545	0.00802	3.079006	0.004989	0.004204	0.015576	0.020451	0.003224	13.36923	no data	0.001523	3.429877	0.008794	0.010232	1.739945	0.007379	0	3.5019
f__Lachnospiraceae;Other	0.363087	0.497927	1.468584	1.759611	2.781742	1.498856	0.332126	0.175545	2.102278	1.384359	1.217413	0.731702	0.378462	0.078596	1.775923	1.857904	2.403996	1.601946	0.308223	0.30303	1.245459	no data	3.255853	0.362201	0.002931	2.448365	5.898969	0.016603	0.657952	0.007492
g__Akkermansia	1.444191	1.968392	0.003635	0	0.025613	0.359634	0.002851	0.392105	0.002445	0	7.318575	0.638008	0.486594	0.00802	0.00222	0.001871	4.387565	0.236038	0	1.207286	4.882373	no data	0	0.051928	0.002931	2.448365	5.898969	0.016603	0.657952	0.007492
Others	10.65193	9.585505	10.71085	7.819886	10.04116	10.59442	12.43835	9.08733	8.281999	13.78239	8.64356	8.581881	15.57934	8.937508	12.88654	11.59147	11.29685	12.27879	25.40135	19.34397	10.19504	no data	10.50708	8.746057	11.69332	12.63941	16.76696	7.834709	11.1605	9.914914