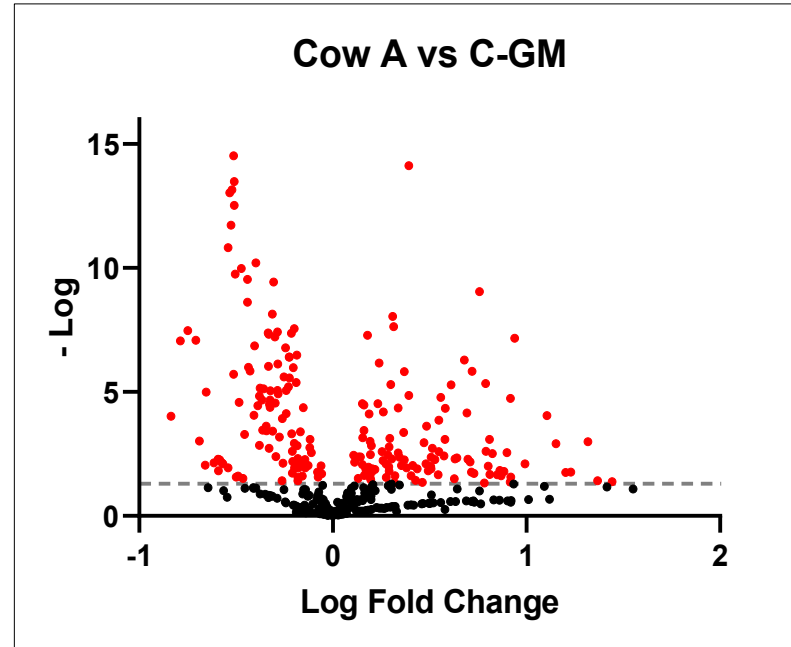


CowA vs ShanaC

Peak Name	p < 0.05	Log Fold Change
TAG 38:1+NH4 (-FA 10:0 (NH4))	2.99E-15	Down
TAG 34:0+NH4 (FA 17:0+C3H6O)	7.50E-15	Up
MADAG 42:0+NH4 (-FA 10:0 (NH4))	3.26E-14	Down
SM 40:2;3 (SM/PC)	6.98E-14	Down
SM 42:1;2 (SM/PC)	9.15E-14	Down
PC 37:1 (SM/PC)	3.00E-13	Down
PE 30:4 (-FA 10:0 (NH4))	1.88E-12	Down
SM 42:2;3 (SM/PC)	1.51E-11	Down
PE 34:4 (-FA 10:0 (NH4))	6.29E-11	Down
SM 34:1;2 (SM/PC)	1.05E-10	Down
Cer 46:3;4 (-FA 10:0 (NH4))	1.75E-10	Down
TAG 38:0+NH4 (-FA 10:0 (NH4))	2.87E-10	Down
PC 32:0 (SM/PC)	3.63E-10	Down
SM 30:0;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	9.09E-10	Up
DGTS 26:0 (-FA 10:0 (NH4))	2.37E-09	Down
PC 36:2 (SM/PC)	7.24E-09	Down
DGTS 32:1 (FA 16:0+C3H6O)	9.04E-09	Up
TAG 36:0+NH4 (FA 16:0+C3H6O)	2.31E-08	Up
PC 38:6 (SM/PC)	2.81E-08	Down
SM 40:3;3 (SM/PC)	3.33E-08	Down
SM 32:2;3 (SM/PC)	3.83E-08	Down
TAG 42:0+NH4 (-FA 10:0 (NH4))	4.17E-08	Down
SM 40:1;2 (SM/PC)	4.33E-08	Down
SM 32:1;2 (SM/PC)	4.69E-08	Down
CE 18:1+NH4 (FA 20:0+C3H6O/Chol)	5.15E-08	Up
PC 34:1 (SM/PC)	6.08E-08	Down
PE 35:5 (FA 18:1+C3H6O)	6.72E-08	Up
MADAG 38:0+NH4 (-FA 10:0 (NH4))	8.26E-08	Down
SM 42:2;2 (SM/PC)	8.62E-08	Down
SM 32:4;3 (SM/PC)	1.38E-07	Down
Cer 48:2;4 (-FA 10:0 (NH4))	1.67E-07	Down
TAG 42:2+NH4 (-FA 10:0 (NH4))	3.24E-07	Down
DGTS 24:0 (-FA 10:0 (NH4))	3.88E-07	Down
SM 38:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	3.96E-07	Down
PC 30:4 (FA 14:0+C3H6O)	5.17E-07	Up
PE 28:5 (FA 17:0+C3H6O)	6.73E-07	Up
PC 33:1 (SM/PC)	7.54E-07	Down
SM 36:4;3 (SM/PC)	9.36E-07	Down
PC 32:5 (-FA 10:0 (NH4))	1.01E-06	Down
PC 36:1 (SM/PC)	1.04E-06	Down
MADAG 44:1+NH4 (-FA 10:0 (NH4))	1.41E-06	Down
PE 30:5 (FA 16:0+C3H6O)	1.47E-06	Up
DGPP 30:0 (FA 16:0+C3H6O)	1.51E-06	Up
SM 30:4;3 (-FA 10:0 (NH4))	1.93E-06	Down
PC 40:6 (SM/PC)	2.45E-06	Down
PC 34:0 (SM/PC)	2.69E-06	Down
PC 35:1 (SM/PC)	4.11E-06	Down
SM 38:0;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	4.51E-06	Up
MADAG 32:0+NH4 (FA 16:0+C3H6O)	5.01E-06	Up
Lan 16:0+NH4 (FA 22:6+C3H6O)	5.22E-06	Up
TAG 46:2+NH4 (-FA 10:0 (NH4))	6.16E-06	Down
PA 33:4 (-FA 10:0 (NH4))	6.98E-06	Down
SM 34:4;3 (-FA 10:0 (NH4))	7.40E-06	Down
PC 34:3 (SM/PC)	8.64E-06	Down
PC 33:0 (SM/PC)	8.83E-06	Down
DGTS 28:1 (-FA 10:0 (NH4))	9.01E-06	Down
SM 34:2;3 (SM/PC)	1.02E-05	Down
PC 33:5 (-FA 10:0 (NH4))	1.17E-05	Down
DGTS 28:1 (FA 18:1+C3H6O)	1.39E-05	Up
DGDG 22:4+NH4 (-FA 10:0 (NH4))	1.47E-05	Down
PC 43:6 (FA 18:0+C3H6O)	1.68E-05	Up
DGPP 40:3 (FA 16:0+C3H6O)	1.81E-05	Up
SM 34:4;3 (SM/PC)	2.12E-05	Down
SM 36:4;3 (-FA 10:0 (NH4))	2.15E-05	Down
PA 35:4 (-FA 10:0 (NH4))	2.61E-05	Down
TAG 42:0+NH4 (FA 16:0+C3H6O)	2.78E-05	Down

CowA: Milk from Betsy
ShanaC: GoatMilk control food
VolcanoPlot



PCA-NoSupervised

Scores for PC1 (25.9 %) versus PC2 (13.8 %), Pareto



● C: GM-ShanaControlFood
● CowA: Betsy cow milk
● T: GM-ShanaTreatmentFood

						PC1 (25.9	PC2 (13.8	PC3 (10.1	PC4 (6.5 %)
DGTS 30:1 (FA 14:0+C3H6O)	2.98E-05	Up	Row	Index	Sample N	Sample ID	Group	Use	
CE 16:0+NH4 (FA 20:0+C3H6O/Chol)	2.98E-05	Up		1	12COW-A	2COW	CowA		1 -8397.04 -213.716 -754.708 -574.187
DGDG 20:0+NH4 (-FA 10:0 (NH4))	3.21E-05	Down		2	22COW-B	2COW	CowA		1 -8651.86 -198.368 -521.871 -102.878
DGTS 24:1 (-FA 10:0 (NH4))	3.33E-05	Up		3	32COW-C	2COW	CowA		1 -8798.25 -243.367 -676.048 -316.794
Cer 44:2;4 (-FA 10:0 (NH4))	3.62E-05	Down		4	4A1-A	Tillia	T		1 1501.82 -991.913 -190.243 22.40955
PC 32:5 (SM/PC)	4.23E-05	Down		5	5A1-B	Tillia	T		1 1639.017 1465.455 -471.811 -114.389
PC 36:3 (SM/PC)	4.24E-05	Down		6	6A1-C	Tillia	T		1 1584.282 2933.304 -1258.89 -1142.55
CE 18:0+NH4 (FA 20:0+C3H6O/Chol)	4.42E-05	Up		7	7A2-A	Mulberry	T		1 1244.593 -1596.22 529.683 -2129.45
SM 34:3;2 (FA 17:0+C3H6O)	4.52E-05	Up		8	8A2-B	Mulberry	T		1 1568.792 -962.299 1348.343 -2346.22
DGTS 26:0 (FA 16:0+C3H6O)	6.36E-05	Up		9	9A2-C	Mulberry	T		1 1380.214 -1827.06 310.3669 -2869.42
MADAG 44:0+NH4 (FA 14:0+C3H6O)	7.01E-05	Up		10	10A3-A	Grysillac	T		1 236.3587 -206.889 2648.922 950.4905
SM 30:4;3 (SM/PC)	7.57E-05	Down		11	11A3-B	Grysillac	T		1 355.3846 111.7299 2973.07 1055.913
SM 38:2;3 (SM/PC)	7.64E-05	Up		12	12A3-C	Grysillac	T		1 78.50348 -231.718 3241.451 -583.21
SM 42:1;4 (SM/PC)	8.66E-05	Down		13	13A4-A	Kange	T		1 50.15297 -436.559 1101.812 -2119.62
TAG 40:1+NH4 (FA 18:0+C3H6O)	9.04E-05	Up		14	14A4-B	Kange	T		1 467.5753 -76.0814 1774.059 -1632.62
SM 42:3;3 (SM/PC)	9.49E-05	Down		15	15A4-C	Kange	T		1 200.3195 -85.3482 1911.515 -1382.42
Cer 48:1;4 (-FA 10:0 (NH4))	0.00012	Down		16	16A5-A	Gamse	T		1 835.9978 193.6291 1012.404 -518.849
SM 32:0;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.00014	Up		17	17A5-B	Gamse	T		1 925.3636 1878.706 601.4547 325.983
DGTS 32:0 (FA 18:0+C3H6O)	0.00024	Up		18	18A5-C	Gamse	T		1 1025.166 5859.682 -795.579 -524.211
PC 31:5 (-FA 10:0 (NH4))	0.00024	Down		19	19C1-A	Tillia	C		1 1080.013 -2371.92 -3877.82 670.6323
TAG 44:0+NH4 (FA 14:0+C3H6O)	0.00035	Down		20	20C1-B	Tillia	C		1 1622.463 -2059.86 -3321.38 672.8698
TAG 50:2+NH4 (FA 16:0+C3H6O)	0.00036	Up		21	21C1-C	Tillia	C		1 1474.127 -2236.89 -3496.66 903.4649
SM 28:4;3 (-FA 10:0 (NH4))	0.00037	Down		22	22C2-A	Mulberry	C		1 905.3252 -2151.15 -1366.86 -242.046
PC 32:4 (SM/PC)	0.00038	Down		23	23C2-B	Mulberry	C		1 1804.354 -1833.98 -982.952 -584.155
PC 31:0 (SM/PC)	0.00041	Down		24	24C2-C	Mulberry	C		1 1450.069 -2011.47 -1117.22 -61.217
MADAG 42:0+NH4 (FA 16:0+C3H6O)	0.00043	Up		25	25C3-A	Grysillac	C		1 -231.652 -392.988 1009.158 2773.682
SM 38:0;2 (SM/PC)	0.00049	Down		26	26C3-B	Grysillac	C		1 -48.2097 -49.2162 1613.553 3263.894
MADAG 40:0+NH4 (-FA 10:0 (NH4))	0.00052	Down		27	27C3-C	Grysillac	C		1 319.4938 -126.039 2157.119 2652.462
PC 26:0 (SM/PC)	0.00067	Down		28	28C4-A	Kange	C		1 742.9074 -1194.02 -343.57 1175.632
CE 16:1+NH4 (FA 18:0+C3H6O)	0.00071	Up		29	29C4-B	Kange	C		1 925.8318 -662.541 209.5532 373.4849
DGTS 34:2 (FA 18:1+C3H6O)	0.00075	Up		30	30C4-C	Kange	C		1 1178.175 -739.999 473.85 1234.195
SM 42:1;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.00081	Up		31	31C5-A	Gamse	C		1 214.1367 469.1159 -41.5091 1033.826
DGTS 30:6 (FA 17:0+C3H6O)	0.00082	Up		32	32C5-B	Gamse	C		1 397.2663 4956.819 -2213.12 -318.164
TAG 30:0+NH4 (-FA 10:0 (NH4))	0.00083	Down		33	33C5-C	Gamse	C		1 919.3002 5031.176 -1486.08 453.4623
PA 36:3 (-FA 10:0 (NH4))	0.00096	Down							
DGPP 41:2 (FA 18:0+C3H6O)	0.00098	Up							
PE 36:2 (FA 18:2/18:2 FA)	0.00102	Up							
PE 33:4 (FA 16:0+C3H6O)	0.00112	Up							
PC 38:5 (SM/PC)	0.00117	Down							
PC 32:2 (SM/PC)	0.00121	Up							
PC 36:5 (-FA 10:0 (NH4))	0.00144	Down							
DGPP 26:1 (FA 17:0+C3H6O)	0.00148	Up							
MADAG 46:6+NH4 (-FA 10:0 (NH4))	0.00148	Down							
PC 40:0 (FA 16:0+C3H6O)	0.00166	Up							
DGTS 20:0 (-FA 10:0 (NH4))	0.00176	Down							
LPC 28:0 (SM/PC)	0.00185	Down							
TAG 40:2+NH4 (FA 18:1+C3H6O)	0.00188	Up							
PE 36:3 (FA 18:2/18:2 FA)	0.00249	Up							
DGTS 32:0 (FA 14:0+C3H6O)	0.00251	Down							
TAG 52:2+NH4 (FA 18:1+C3H6O)	0.00254	Up							
SM 48:1;2 (FA 16:0+C3H6O)	0.00257	Up							
SM 30:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.00282	Up							
DGTS 32:0 (FA 16:0+C3H6O)	0.00283	Down							
SM 34:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.00289	Up							
TAG 38:2+NH4 (FA 16:0+C3H6O)	0.00308	Up							
DGTS 28:0 (FA 14:0+C3H6O)	0.00332	Up							
CE 10:0+NH4 (FA 14:0+C3H6O)	0.00343	Up							
PE 27:4 (FA 18:0+C3H6O)	0.00361	Up							
PA 29:4 (-FA 10:0 (NH4))	0.00383	Up							
SM 42:0;4 (SM/PC)	0.0041	Down							
PC 42:0 (FA 16:0+C3H6O)	0.00415	Up							
PC 30:0 (SM/PC)	0.00417	Up							
PE 27:5 (FA 16:0+C3H6O)	0.00425	Up							
TAG 36:1+NH4 (FA 14:0+C3H6O)	0.00427	Up							
MADAG 52:1+NH4 (FA 18:1+C3H6O)	0.00461	Up							
TAG 32:0+NH4 (FA 16:0+C3H6O)	0.00477	Up							
TAG 46:3+NH4 (-FA 10:0 (NH4))	0.00483	Down							
TAG 34:0+NH4 (FA 14:0+C3H6O)	0.00494	Up							

TAG 54:3+NH4 (FA 18:0+C3H6O)	0.00503	Up
TAG 50:2+NH4 (FA 18:0+C3H6O)	0.00516	Up
SM 42:1;3 (SM/PC)	0.0052	Down
SM 30:4;4 (FA 16:0+C3H6O)	0.0053	Up
SM 36:3;2 (-FA 10:0 (NH4))	0.00531	Down
SM 34:0;4 (-FA 10:0 (NH4))	0.00537	Down
PA 30:4 (FA 18:1+C3H6O)	0.00543	Up
PC 38:0 (SM/PC)	0.00551	Down
DGTS 32:1 (FA 18:1+C3H6O)	0.00591	Up
PC 33:2 (SM/PC)	0.00644	Down
PG 38:5 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.00656	Up
SM 40:1;4 (SM/PC)	0.00658	Down
DGPP 32:0 (FA 16:0+C3H6O)	0.00676	Up
SM 34:3;2 (SM/PC)	0.00724	Down
PC 38:1 (SM/PC)	0.00735	Down
MADAG 46:7+NH4 (-FA 10:0 (NH4))	0.00736	Down
SQDG 32:0 (FA 16:0/16:0 FA)	0.00784	Up
PE 36:3 (-PE)	0.0079	Up
PC 30:1 (SM/PC)	0.00802	Down
SM 32:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.00805	Up
DGTS 32:1 (FA 14:0+C3H6O)	0.00847	Up
PC 39:0 (SM/PC)	0.00892	Down
SM 42:0;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.00923	Up
TAG 38:1+NH4 (FA 18:1+C3H6O)	0.0093	Up
PC 32:1 (SM/PC)	0.0094	Down
PC 25:5 (-FA 10:0 (NH4))	0.00945	Down
SM 36:0;4 (-FA 10:0 (NH4))	0.00979	Down
TAG 42:0+NH4 (FA 14:0+C3H6O)	0.00982	Down
PC 30:0+AcO (FA 16:0/16:0 FA)	0.0099	Up
PC 36:4 (SM/PC)	0.01011	Down
CE 16:1+NH4 (FA 17:0+C3H6O)	0.01013	Up
TAG 52:3+NH4 (FA 18:1+C3H6O)	0.01053	Up
DGTS 30:0 (FA 16:0+C3H6O)	0.01079	Up
TAG 44:1+NH4 (FA 16:0+C3H6O)	0.0108	Down
SM 44:1;2 (SM/PC)	0.01134	Down
DGTS 36:1 (FA 18:1+C3H6O)	0.01135	Down
DGPP 32:0 (FA 14:0+C3H6O)	0.01145	Up
PC 40:5 (SM/PC)	0.01159	Down
DGPP 35:2 (-FA 10:0 (NH4))	0.0117	Down
SM 44:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.0122	Up
DGTS 36:1 (FA 18:0+C3H6O)	0.01248	Up
CE 18:2+NH4 (FA 20:0+C3H6O/Chol)	0.01268	Up
PE 28:4 (FA 18:0+C3H6O)	0.01268	Up
DGTS 24:0 (FA 14:0+C3H6O)	0.01346	Up
CE 16:0+NH4 (FA 16:0+C3H6O)	0.0145	Up
TAG 38:1+NH4 (FA 16:0+C3H6O)	0.01508	Up
MADAG 44:2+NH4 (-FA 10:0 (NH4))	0.01521	Down
PE 25:4 (FA 18:0+C3H6O)	0.01562	Up
DGTS 34:0 (FA 18:0+C3H6O)	0.01601	Up
SM 30:4;3 (FA 17:0+C3H6O)	0.01606	Up
DGTS 34:1 (FA 18:0+C3H6O)	0.01697	Up
PE 36:1 (FA 18:1/18:1 FA)	0.01699	Up
TAG 46:2+NH4 (FA 14:0+C3H6O)	0.01703	Up
PC 34:2 (SM/PC)	0.01723	Down
DGTS 28:0 (FA 18:0+C3H6O)	0.01762	Up
SM 36:0;3 (SM/PC)	0.01886	Down
PA 37:5 (FA 16:0+C3H6O)	0.01928	Up
DGTS 34:1 (FA 16:0+C3H6O)	0.01971	Down
TAG 50:6 (FA 18:1/18:1 FA)	0.0211	Up
SM 30:0;4 (SM/PC)	0.02182	Up
PG 38:6 (FA 18:1/18:1 FA)	0.02191	Up
PE 26:4 (FA 17:0+C3H6O)	0.02337	Up
PE 32:6 (FA 22:6+C3H6O)	0.02366	Up
PC 42:4 (FA 16:0+C3H6O)	0.02378	Up
SM 38:1;3 (SM/PC)	0.02399	Up
SM 36:3;2 (SM/PC)	0.02468	Down
DGTS 36:0 (FA 18:0+C3H6O)	0.02502	Down
DGDG 24:2+NH4 (-FA 10:0 (NH4))	0.0269	Down

PG 36:5 (FA 16:0/16:0 FA)	0.02699	Up
SM 36:0;4 (SM/PC)	0.02699	Down
SM 40:3;3 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.02732	Down
MADAG 50:9+NH4 (FA 14:0+C3H6O)	0.02771	Up
DGPP 34:1 (FA 18:1+C3H6O)	0.02795	Up
PC 34:4 (FA 16:0+C3H6O)	0.03038	Up
MADAG 46:0+NH4 (-FA 10:0 (NH4))	0.03063	Down
SM 32:4;2 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.03123	Up
TAG 48:2+NH4 (FA 16:0+C3H6O)	0.03455	Up
MADAG 50:8+NH4 (FA 18:0+C3H6O)	0.03718	Up
TAG 44:0+NH4 (FA 16:0+C3H6O)	0.03774	Down
PC 36:0+AcO (FA 16:0/16:0 FA)	0.03787	Up
SM 34:2;2 (SM/PC)	0.03796	Down
SQDG 36:1 (FA 18:1/18:1 FA)	0.04199	Up
PC 34:2+AcO (FA 18:2/18:2 FA)	0.04257	Up
DGPP 30:0 (FA 14:0+C3H6O)	0.04419	Up
DGPP 28:1 (FA 16:0+C3H6O)	0.04512	Up
SQDG 36:0 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.04645	Up
TAG 50:5 (FA 16:0/16:0 FA)	0.05216	Up
PC 30:6 (SM/PC)	0.05217	Up
SM 34:4;2 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.05476	Up
PC 34:4 (SM/PC)	0.05673	Up
MADAG 50:9+NH4 (FA 18:1+C3H6O)	0.05871	Down
DGPP 39:4 (FA 18:1+C3H6O)	0.06108	Up
TAG 50:2+NH4 (FA 14:0+C3H6O)	0.06249	Up
SQDG 36:0 (FA 16:0/16:0 FA)	0.06429	Up
SM 40:0;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.06471	Up
DGDG 28:2+NH4 (FA 14:0+C3H6O)	0.06781	Up
TAG 54:6 (FA 18:1/18:1 FA)	0.0684	Up
SM 44:1;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.07158	Up
DGPP 34:1 (-FA 10:0 (NH4))	0.07258	Down
PIP3 38:0 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.07324	Down
SM 38:4;2 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.07406	Down
DGPP 33:2 (-FA 10:0 (NH4))	0.07465	Down
DGPP 36:1 (-FA 10:0 (NH4))	0.0762	Down
PIP2 40:0 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.07623	Down
TAG 50:2+NH4 (FA 18:1+C3H6O)	0.07798	Up
TAG 54:6 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.082	Up
TAG 52:5 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.08208	Up
TAG 50:3+NH4 (FA 18:1+C3H6O)	0.08502	Up
SM 38:4;3 (-FA 10:0 (NH4))	0.08686	Down
PC 28:1 (SM/PC)	0.08802	Down
SM 38:4;3 (SM/PC)	0.08823	Down
DGPP 38:2 (FA 14:0+C3H6O)	0.08934	Up
PC 38:0 (FA 16:0+C3H6O)	0.09429	Up
CE 10:0+NH4 (FA 16:0+C3H6O)	0.09522	Up
MADAG 52:0 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.09623	Down
PG 38:5 (FA 16:0/16:0 FA)	0.09904	Up
MADAG 34:0+NH4 (FA 17:0+C3H6O)	0.10758	Down
TAG 46:1+NH4 (FA 18:0+C3H6O)	0.11793	Up
MADAG 48:8+NH4 (FA 16:0+C3H6O)	0.11818	Up
CE 14:0+NH4 (FA 20:0+C3H6O/Chol)	0.12375	Up
PE 36:5 (FA 14:0+C3H6O)	0.12812	Down
TAG 46:0+NH4 (FA 16:0+C3H6O)	0.13148	Down
PC 37:3 (SM/PC)	0.13268	Down
TAG 52:2+NH4 (FA 16:0+C3H6O)	0.13353	Up
TAG 50:5 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.14062	Up
TAG 46:0+NH4 (-FA 10:0 (NH4))	0.14746	Down
PC 39:5 (SM/PC)	0.14854	Down
LPC 30:1 (SM/PC)	0.15311	Down
CE 18:3+NH4 (FA 20:0+C3H6O/Chol)	0.15322	Down
PC 32:3 (SM/PC)	0.15847	Up
PC 35:0 (SM/PC)	0.16128	Down
TAG 46:2+NH4 (FA 18:1+C3H6O)	0.16265	Down
TAG 48:1+NH4 (FA 14:0+C3H6O)	0.16779	Up
PC 34:1+AcO (FA 18:1/18:1 FA)	0.17115	Up
PIP2 40:1 (FA 16:0/16:0 FA)	0.17672	Down
MADAG 44:0+NH4 (-FA 10:0 (NH4))	0.18133	Down

TAG 34:0+NH4 (FA 20:0+C3H6O/Chol)	0.19012	Up
SM 32:0;4 (SM/PC)	0.19157	Down
PE 36:2 (-PE)	0.19536	Down
PS 40:5 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.21165	Up
PE 25:4 (FA 17:0+C3H6O)	0.21402	Down
SM 32:1;4 (FA 20:2+C3H6O)	0.2166	Up
TAG 46:1+NH4 (FA 18:1+C3H6O)	0.21833	Down
PC 34:5 (FA 18:1+C3H6O)	0.22066	Up
SM 42:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.22184	Up
PC 34:1+AcO (FA 16:0/16:0 FA)	0.22202	Up
TAG 50:3+NH4 (FA 14:0+C3H6O)	0.22551	Up
PE 36:1 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.22791	Up
TAG 50:1+NH4 (FA 16:0+C3H6O)	0.23209	Up
MADAG 36:0+NH4 (FA 18:0+C3H6O)	0.23445	Up
PA 39:5 (FA 14:0+C3H6O)	0.23513	Down
CL 78:9 (FA 14:0)	0.23541	Up
PC 36:2+AcO (FA 18:1/18:1 FA)	0.23696	Up
SM 32:1;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.24284	Up
DGPP 40:1 (FA 16:0+C3H6O)	0.24401	Up
DGTS 32:2 (FA 18:2+C3H6O)	0.24508	Up
SQDG 34:1 (FA 18:1/18:1 FA)	0.25053	Up
CL 86:5 (FA 18:1/18:1 FA)	0.25098	Up
TAG 54:4+NH4 (FA 18:0+C3H6O)	0.25745	Up
TAG 54:4+NH4 (FA 18:2+C3H6O)	0.26019	Up
Des 18:1+NH4 (FA 20:1+C3H6O/Des)	0.26621	Up
MADAG 56:1+NH4 (FA 18:1+C3H6O)	0.2666	Up
SM 36:0;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.27246	Down
DGTS 44:0 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.27781	Up
Des 14:0+NH4 (FA 17:0+C3H6O)	0.27872	Up
TAG 52:6 (FA 18:1/18:1 FA)	0.28137	Up
SM 44:1;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.28184	Up
TAG 48:1+NH4 (FA 16:0+C3H6O)	0.28356	Up
PC 32:1+AcO (FA 18:1/18:1 FA)	0.28492	Up
LPC 30:0 (SM/PC)	0.28607	Down
PC 37:5 (SM/PC)	0.29451	Down
TAG 54:2+NH4 (FA 18:1+C3H6O)	0.29818	Up
MADAG 40:0+NH4 (FA 20:0+C3H6O/Chol)	0.30555	Up
PC 28:0 (SM/PC)	0.30653	Up
PC 31:3 (SM/PC)	0.3116	Up
Erg 18:4+NH4 (FA 22:6+C3H6O)	0.31178	Up
SM 40:0;2 (SM/PC)	0.31307	Up
TAG 44:1+NH4 (FA 14:0+C3H6O)	0.31582	Down
TAG 52:3+NH4 (FA 18:2+C3H6O)	0.32099	Up
SQDG 34:0 (FA 16:0/16:0 FA)	0.32274	Up
TAG 38:1+NH4 (FA 20:0+C3H6O/Chol)	0.32698	Up
SM 38:1;4 (-FA 10:0 (NH4))	0.33254	Down
TAG 50:1+NH4 (FA 18:1+C3H6O)	0.35459	Up
DGPP 32:1 (FA 18:1+C3H6O)	0.36092	Up
TAG 46:5 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.36455	Up
MADAG 54:12+NH4 (FA 16:0+C3H6O)	0.36808	Up
MADAG 50:1+NH4 (FA 16:0+C3H6O)	0.37128	Down
DGTS 30:2 (-FA 10:0 (NH4))	0.37173	Down
SM 44:4;2 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.37295	Down
SM 38:0;4 (SM/PC)	0.40959	Down
LPC 28:3 (SM/PC)	0.41618	Up
DGPP 28:0 (FA 14:0+C3H6O)	0.41879	Up
TAG 36:0+NH4 (FA 20:0+C3H6O/Chol)	0.42736	Up
MADAG 46:0+NH4 (FA 14:0+C3H6O)	0.42913	Up
PC 33:5 (SM/PC)	0.43834	Up
PE 35:4 (FA 14:0+C3H6O)	0.44253	Up
PC 36:5 (SM/PC)	0.4434	Down
MADAG 50:0 (FA 16:0/16:0 FA)	0.45204	Up
DGPP 36:1 (FA 18:1+C3H6O)	0.45422	Up
TAG 50:8+NH4 (FA 14:0+C3H6O)	0.46225	Down
CE 16:1+NH4 (FA 20:0+C3H6O/Chol)	0.46376	Up
DGTS 36:2 (FA 18:1+C3H6O)	0.47189	Down
DGPP 43:2 (FA 18:0+C3H6O)	0.49048	Up
PC 36:0+AcO (FA 18:0/FA 22:6-CO2/18:0 FA)	0.49118	Up

PC 36:6 (SM/PC)	0.49152	Up
SM 26:4;3 (-FA 10:0 (NH4))	0.4963	Down
SM 40:0;4 (SM/PC)	0.49856	Down
PE 36:2 (FA 18:1/18:1 FA)	0.50015	0.2657703168809
SM 30:2;3 (SM/PC)	0.50509	-0.07033929912
PC 30:4 (SM/PC)	0.5061	0.2615422701255
MADAG 46:0+NH4 (FA 16:0+C3H6O)	0.50909	0.0368022927536
PC 38:0 (FA 14:0+C3H6O)	0.52867	-0.051506670398
PE 24:4 (FA 17:0+C3H6O)	0.53426	0.0346884795238
PS 36:1 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.54181	0.5799256713336
SM 40:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.54683	-0.030735317226
DGTS 30:0 (FA 20:0+C3H6O/Chol)	0.54999	0.1990959115211
PE 36:1 (-PE)	0.55813	0.0497062392514
MADAG 52:11+NH4 (FA 16:0+C3H6O)	0.55862	-0.139663974863
PIP2 36:0 (FA 16:0/16:0 FA)	0.56502	-0.149956518897
TAG 46:2+NH4 (FA 16:0+C3H6O)	0.57007	0.046510689175
TAG 28:0+NH4 (FA 17:0+C3H6O)	0.57857	-0.058005290385
PC 36:1+AcO (FA 18:1/18:1 FA)	0.59084	0.1817685249169
PC 34:5 (FA 16:0+C3H6O)	0.59562	-0.122514782663
MADAG 42:1+NH4 (FA 16:0+C3H6O)	0.59954	0.1701379521268
DGTS 36:2 (FA 16:0+C3H6O)	0.60561	-0.011393018003
MADAG 50:2+NH4 (FA 18:1+C3H6O)	0.62387	-0.120395208396
PE 26:5 (FA 17:0+C3H6O)	0.62884	0.0499773829587
Des 20:6+NH4 (FA 22:6+C3H6O)	0.63671	0.1403034000066
SM 36:0;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.63734	0.0233418487969
TAG 46:1+NH4 (FA 14:0+C3H6O)	0.63766	0.0165504079005
PC 40:1 (FA 18:1+C3H6O)	0.6402	0.1519427891081
PE 34:1 (-PE)	0.64124	-0.118685530221
CL 82:7 (FA 18:1/18:1 FA)	0.65209	0.3295989796315
DGTS 36:2 (FA 14:0+C3H6O)	0.65527	0.1429368995223
TAG 52:4+NH4 (FA 18:1+C3H6O)	0.66813	0.130558621809
MADAG 50:0 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.6749	-0.043063717182
SQDG 36:2 (FA 18:1/18:1 FA)	0.68721	-0.171236923793
TAG 48:6+NH4 (FA 16:0+C3H6O)	0.6878	0.1217107324537
PIP3 34:0 (FA 16:0/16:0 FA)	0.71059	-0.189727348831
MADAG 48:0+NH4 (FA 16:0+C3H6O)	0.7201	-0.084463006888
MADAG 50:1+NH4 (FA 18:1+C3H6O)	0.72067	-0.086836105872
SM 28:0;4 (SM/PC)	0.72428	-0.033898206905
SM 38:1;4 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.7385	-0.084446329683
PC 35:6 (SM/PC)	0.74027	-0.085726932113
PC 37:0 (SM/PC)	0.74316	0.0531035909003
SM 34:0;4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.75148	-0.075068343701
PE 34:1 (FA 18:1/18:1 FA)	0.75522	-0.139097885927
PC 32:0+AcO (FA 16:0/16:0 FA)	0.78016	0.0389587048853
TAG 48:1+NH4 (FA 18:1+C3H6O)	0.80164	0.0099452019027
TAG 50:6 (FA 18:0/FA 22:6-CO2/18:0 FA)	0.80256	0.0702653040435
PIP3 34:1 (FA 18:1/18:1 FA)	0.8189	-0.039770220454
PC 40:1 (FA 14:0+C3H6O)	0.82297	-0.055775815144
PC 37:6 (SM/PC)	0.82337	-0.066133083243
CE 12:0+NH4 (FA 20:0+C3H6O/Chol)	0.84138	-0.019876849756
SM 36:4;2 (LCB 18:0;2-2H2O/-O-16:1p-H2O/-O-16:1+C2H5N-O)	0.85082	0.0529276017041
SM 38:0;4 (-FA 10:0 (NH4))	0.86134	-0.046035404529
PC 37:4 (SM/PC)	0.87332	0.0132000006115
TAG 52:8+NH4 (FA 16:0+C3H6O)	0.88216	0.0408408524846
DGPP 31:2 (-FA 10:0 (NH4))	0.9071	-0.017520324104
PC 29:4 (FA 14:0+C3H6O)	0.91625	0.004341498485
TAG 46:3+NH4 (FA 18:1+C3H6O)	0.91833	0.027814350773
DGPP 38:2 (FA 16:0+C3H6O)	0.92489	0.0270163316357
PC 34:0+AcO (FA 16:0/16:0 FA)	0.95753	-0.026662599761
TAG 54:4+NH4 (FA 18:1+C3H6O)	0.96497	0.0118128244261
PC 34:6 (SM/PC)	0.96815	-0.010954891669
MADAG 52:2+NH4 (LCB 18:0;3-3H2O/LCB 18:1;2-2H2O/-O-16:2+C2H5N-O)	0.98562	0.0054742018041
DGTS 34:1 (FA 18:1+C3H6O)	0.99321	-0.000361180379