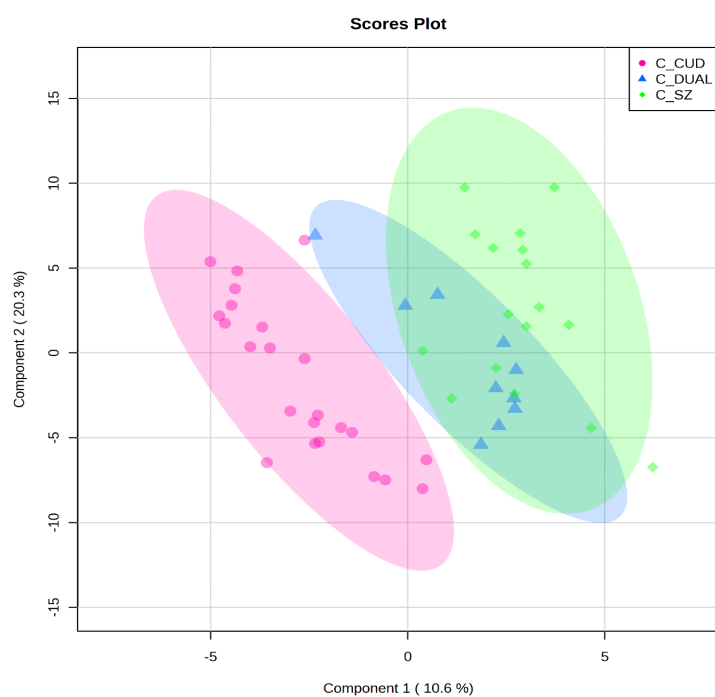


All these results were obtained from Metaboanalyst 5.0 and the implemented one-way statistical analysis tools

ANOVA2

Met_ID	f.value	p.value	-LOG10(p)	FDR	Fisher's LSD	Metabolite
Met_095	76.34	0.00	14.76	1.40E-13	C_CUD - C_DUAL; C_SZ - C_CUD; C_SZ - C_DUAL	Tetrahydroisoquinoline
Met_009	75.37	0.00	14.66	1.40E-13	C_SZ - C_CUD; C_SZ - C_DUAL	2-(2-Ethoxyethoxy)ethanol
Met_051	41.88	0.00	10.44	1.46E-09	C_DUAL - C_CUD; C_SZ - C_CUD; C_DUAL - C_SZ	Decarbamoylsaxitoxin
Met_001	41.25	0.00	10.35	1.46E-09	C_CUD - C_DUAL; C_CUD - C_SZ; C_SZ - C_DUAL	Sphinganine
OEA	20.20	0.00	6.33	1.00E-05	C_CUD - C_DUAL; C_CUD - C_SZ	OEA
PEA	19.04	0.00	6.06	1.61E-05	C_DUAL - C_CUD; C_SZ - C_CUD	PEA
Met_102	13.84	0.00	4.73	3.03E-04	C_CUD - C_DUAL; C_SZ - C_DUAL	N-Palmitoyl-D-erythro-sphingosine
Met_058	11.65	0.00	4.11	1.11E-03	C_DUAL - C_CUD; C_SZ - C_CUD	7-Methyl-2,6,9,12-tetraoxahexadecane
Met_045	10.91	0.00	3.89	1.57E-03	C_DUAL - C_CUD; C_SZ - C_CUD	2-amino-8-oxo-9,10-epoxy-decanoic acid
Met_041	10.85	0.00	3.87	1.57E-03	C_DUAL - C_CUD; C_SZ - C_CUD	2-(12-Tridecyn-1-yl)furan
Met_097	10.40	0.00	3.74	1.96E-03	C_CUD - C_DUAL; C_CUD - C_SZ	tricyclazole
Met_035	9.37	0.00	3.42	3.74E-03	C_CUD - C_DUAL; C_SZ - C_DUAL	N-Isobutylhexacosanamide
Met_086	7.45	0.00	2.81	1.43E-02	C_CUD - C_DUAL; C_SZ - C_DUAL	Aphidicol-16-ene
Met_061	6.85	0.00	2.61	2.11E-02	C_DUAL - C_CUD; C_DUAL - C_SZ	cholacalcioic acid

PLS_



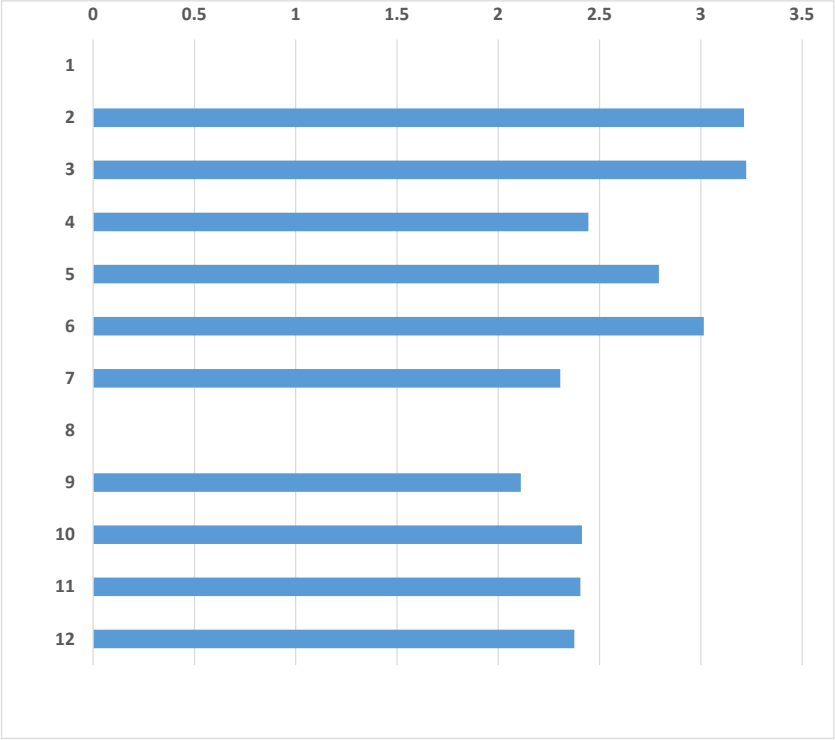
LINEAR MODEL

C_CUD.C_SZ	C_DUAL.C_SZ	AveExpr	F	P.Value
-1.68	-2.07	5.21E-16	20.80	4.77E-09
-1.69	-2.06	4.34E-16	20.84	4.61E-09
-1.14	0.87	8.61E-16	18.63	3.06E-08
1.29	-0.63	-3.01E-15	18.81	2.63E-08
1.48	0.51	8.19E-17	12.55	6.62E-06
-1.11	0.47	-2.53E-16	12.47	7.09E-06
-0.44	-1.78	6.34E-17	10.36	4.88E-05
-0.99	0.35	1.72E-15	9.07	1.60E-04
-1.23	-0.30	-3.14E-17	8.85	1.96E-04
-1.24	-0.31	-5.75E-16	8.91	1.86E-04
1.22	0.32	8.49E-16	8.62	2.43E-04
-0.10	-1.38	-2.47E-15	7.07	1.04E-03
0.25	-0.97	-6.29E-17	5.50	4.65E-03
0.11	1.17	7.35E-16	4.96	7.79E-03

PLS-DA

VIP

Comp. 1	Comp. 2	Comp. 3	Comp. 4	Comp. 5
3.2132	3.0243	2.9568	2.9031	2.8841
3.2242	3.0305	2.9605	2.907	2.8881
2.4455	2.2354	2.1813	2.141	2.134
2.7928	2.5582	2.4702	2.4245	2.4112
3.0144	2.8049	2.7043	2.6547	2.6315
2.3063	2.1091	2.0337	2.0169	2.0137
2.1118	1.9956	1.9245	1.9048	1.9013
2.4128	2.2056	2.1445	2.1136	2.1003
2.4052	2.2539	2.1904	2.1523	2.1348
2.3757	2.1984	2.1205	2.0815	2.0667



From the peak areas (top) and concentrations (bottom), we were able to make these two plots to show the different patterns in the three control groups.

