

Supplementary Table 1. 24 key differential metabolites between CIS group and LYC+CIS group.

No.	MS2 name	Class	Rt	mz	ANOVE P- Value	Q-Value	CIS+LYC VSCIS	CISVSCON
1	Dodecanedioic acid	Fatty Acyls	174.6775	229.1455872	0.00227377	0.034596674	*↓	*↑
2	2-Methylpyrrole	Pyrroles	227.34	82.06480155	0.01176393	0.082750173	*↓	*↑
3	N-Acetylgalactosamine 6-sulfate	Organooxygen compounds	149.237	300.0408314	0.002410601	0.035928382	*↓	*↑
4	NAD	(5'->5')-dinucleotides	251.49	664.1165352	0.022195068	0.112212553	*↓	*↑
5	Lumichrome		28.4745	241.0743555	0.009969859	0.07645406	*↓	*↑
6	2-Ethylacrylic acid	Fatty Acyls	227.339	101.0594136	0.007609153	0.066308442	*↓	*↑
7	L-Pyridosine	Carboxylic acids and derivatives	264.146	255.1338593	0.019042397	0.103417857	*↓	*↑
8	z-Clausenamide	Benzene and substituted derivatives	247.335	280.1388718	0.012996667	0.086361303	*↑	*↓
9	N'-Hydroxymethylnorcotinine	Pyridines and derivatives	117.702	193.0966488	0.007087942	0.064430421	*↑	*↓
10	Valerylglycine	Carboxylic acids and derivatives	196.749	160.0965054	0.006771417	0.062949428	*↑	*↓
11	Sterebin B	Prenol lipids	29.406	353.2322103	0.010382473	0.078276202	*↑	*↓
12	Gibberellic acid		156.2325	345.1349405	0.022045392	0.111985901	*↓	*↑
13	6-Hydroxy-1H-indole-3-acetamide	Indoles and derivatives	31.43185	191.0811038	0.002806959	0.038982871	*↑	*↓
14	Pogostone		38.1554	223.0981313	0.003141302	0.041537512	*↑	*↓
15	Prostaglandin E3	Fatty Acyls	194.833	349.2029472	0.002288191	0.034750968	*↑	*↓
16	Genistein	Isoflavonoids	159.893	269.0419377	0.026114976	0.12137894	*↑	*↓
17	(R)-Marmin	Coumarins and derivatives	281.006	333.1650368	0.001158028	0.023755223	*↑	*↓
18	Calystegine C1	Tropane alkaloids	31.71365	192.0844527	0.006562057	0.062489106	*↑	*↓
19	Furomammea D	Coumarins and derivatives	268.4535	405.1851495	0.000627022	0.016366092	*↑	*↓

20	Calystegin A3	Tropane alkaloids	39.0899	160.0965447	0.00893672	0.072218839	* ↑	* ↓
21	Arachidyl carnitine	Fatty Acyls	96.41745	456.4043923	1.02E-05	0.001581982	* ↓	* ↑
22	1-Nonene	Unsaturated hydrocarbons	196.524	215.1019098	0.000419675	0.01303106	* ↑	* ↓
23	Nnal-N-oxide	Pyridines and derivatives	208.267	226.1067426	0.001091202	0.023007353	* ↑	* ↓
24	L-Dopa	Carboxylic acids and derivatives	91.4019	198.075767	0.011731573	0.082750173	* ↑	* ↓
