

Tables

Table 1. Summary of the parameters of the orthogonal projections to latent structures discriminant analysis (OPLS-DA) models.

Model	Type	O-PLS-DA statistical parameters			
		R ² X	R ² Y	Q ² Y	Permutation P value
NC vs. S	Media	20.49%	99.87%	0.86	0.005
VC vs. P	Media	31.78%	99.91%	0.98	0.005

The models are based on the media spectral data of SKOV3 cell line comparing naïve control and sevoflurane treatment groups or vehicle control and propofol groups. Permutation p values were derived from 100 permutes (n = 10).

Abbreviations: NC, naïve control group; VC, vehicle control group; S, sevoflurane group; P, propofol group.

Table 2. Summary of the metabolites that were present in the media of SKOV3 cells.

Metabolites	$\delta^1\text{H}$	Model	r	p	q
Acetate	1.92 (s)	NC vs. S	0.85	4.44E-06	5.04E-05
		VC vs. P	0.99	6.22E-19	5.04E-16
Acetone	2.24 (s)	VC vs. P	0.99	2.11E-18	1.12E-15
Alanine	1.48 (d); 3.78 (q)	NC vs. S	0.95	2.53E-10	1.45E-07
		VC vs. P	0.97	4.74E-12	1.59E-10
Arginine	1.68 (m), 1.90 (m), 3.23 (t), 3.76 (t)	VC vs. P	0.99	3.18E-15	4.05E-13
Asparagine	2.86 (dd), 2.96 (dd), 4.00 (dd)	VC vs. P	0.97	3.18E-12	1.13E-10
Ethanol	1.17 (t), 3.65 (q)	VC vs. P	-0.99	5.70E-18	2.50E-15
Fatty acids	0.88 (m); 1.28 (m); 1.58 (m); 2.04 (m); 2.25 (m)	VC vs. P	0.88	3.25E-07	2.54E-06
Glucose	3.25 (t); 3.39-3.55 (m); 3.69-3.93 (m); 4.65 (d); 5.24 (d)	NC vs. S	-0.9	1.18E-07	2.99E-06
		VC vs. P	0.91	3.66E-08	3.79E-07
Glutamine	2.14 (m); 2.44 (m); 3.77 (m)	NC vs. S	-0.97	3.75E-12	3.16E-08
		VC vs. P	0.98	2.22E-14	1.94E-12
Glycerol	3.55 (m); 3.64 (m); 3.78 (m)	VC vs. P	0.93	1.79E-09	2.74E-08
Isoleucine	0.94 (t); 1.01 (d); 1.27 (m); 1.48 (m); 3.67 (m)	VC vs. P	0.91	3.94E-08	4.04E-07
Isopropanol	1.18 (dd); 4.03 (m)	NC vs. S	0.65	2.37E-03	1.24E-02
		VC vs. P	-0.82	8.06E-06	4.34E-05
Lactate	1.33 (d); 4.11 (q)	NC vs. S	0.92	3.77E-08	1.58E-06
		VC vs. P	0.99	1.35E-15	2.04E-13
Leucine	0.96 (d); 0.97 (d); 1.69 (m); 1.71 (m); 3.74 (t)	NC vs. S	0.82	1.58E-05	1.49E-04
		VC vs. P	0.93	3.08E-09	4.36E-08
Pyruvate	2.38 (s)	NC vs. S	0.89	3.74E-07	6.72E-06
		VC vs. P	0.95	1.93E-10	3.85E-09
Succinate	2.41 (s)	VC vs. P	0.84	3.47E-06	2.04E-05
Valine	0.99 (d); 1.04 (d); 2.27 (m); 3.61 (d)	NC vs. S	0.82	2.06E-05	1.88E-04
		VC vs. P	0.91	9.80E-09	1.21E-07

For each model, "+" indicates a higher correlation in the treated groups, whereas "-" indicates a higher correlation in the control groups. The symbol r represents the correlation coefficient values; p represents significance level based on two-tailed heteroscedastic t-test; q is corrected values using Benjamini-Hochberg correction.

Abbreviations: s, singlets; d, doublets; dd, double of doublets; t, triplets; q, quartets; m, multiplets.