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Correction: Interpretation of type 2 diabetes mellitus relevant GC-MS metabolomics fingerprints by using random forests†

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Correction for 'Interpretation of type 2 diabetes mellitus relevant GC-MS metabolomics fingerprints by using random forests' by Jian-Hua Huang *et al.*, *Anal. Methods*, 2013, 5, 4883–4889.

The authors wish to draw the readers' attention to their previous related study, published in *Talanta*,¹ which should have been cited in this *Analytical Methods* paper.

The authors regret not giving correct attribution to Fig. 4 in the paper and Table 1 in the ESI,[†] which were reproduced for the readers' information. The figures are reproduced below with the correct copyright permission.

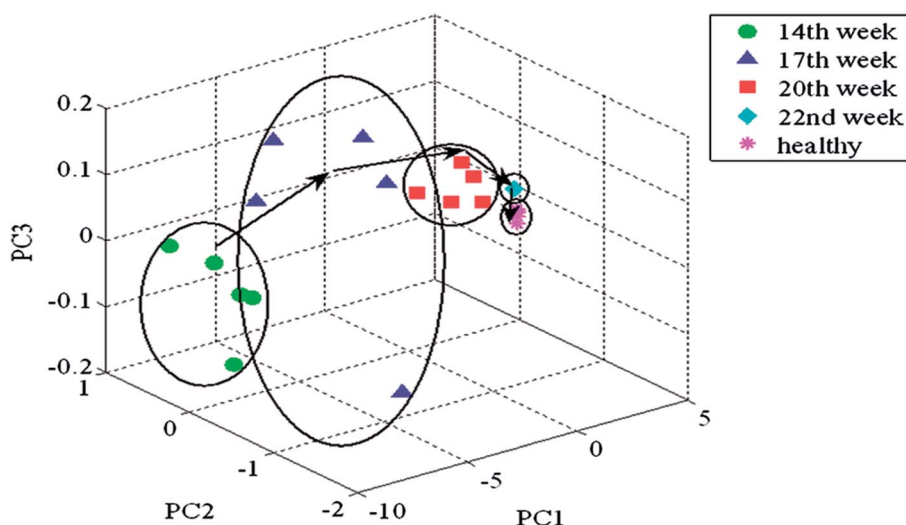


Fig. 4 3D-projection plot of metabolic fingerprints from PCA of the first three principal components for the second data set. Reproduced from ref. 2 with permission from Taylor & Francis.

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Table 1 Qualitative and quantitative metabolic profile of three group mice. Reproduced from ref. 1 with permission from Elsevier

id	t_r^a (min)	Endogenous metabolites	C57	AMPK-male	AMPK-female
1	5.922	Aminoethane	0.2456 \pm 0.0705	0.1905 \pm 0.0567	0.1958 \pm 0.0551
2	6.593	Ethylene glycol	0.0182 \pm 0.0020	0.0530 \pm 0.0428	0.0746 \pm 0.0626
3	6.84	<i>N,N</i> -Diethylacetamide	0.0657 \pm 0.0087	0.0476 \pm 0.0202	0.0557 \pm 0.0107
4	7.716	Lactic acid*	0.0872 \pm 0.0374	0.0952 \pm 0.0592	0.1482 \pm 0.2155
5	7.934	Acetic acid	0.0856 \pm 0.0333	0.0229 \pm 0.0140	0.0412 \pm 0.0203
6	10.01	Phosphate	2.1278 \pm 0.9173	1.4730 \pm 0.7381	1.3767 \pm 0.9361
7	10.2	L-Threonine	0.0173 \pm 0.0098	0.0108 \pm 0.0068	0.0096 \pm 0.0065
8	10.297	Phenylacetic acid	0.0047 \pm 0.0023	0.0159 \pm 0.0103	0.0147 \pm 0.0097
9	10.382	Succinic acid*	0.0311 \pm 0.0129	0.0098 \pm 0.0031	0.0119 \pm 0.0086
10	10.447	1,2-Hydroquinone	0.0120 \pm 0.0072	0.0078 \pm 0.0047	0.0067 \pm 0.0039
11	10.503	Glyceric acid	0.0961 \pm 0.0266	0.0400 \pm 0.0232	0.0183 \pm 0.0087
12	10.723	(<i>R</i> *, <i>R</i> *)-2,3-Dihydroxybutanoic acid	0.0167 \pm 0.0053	0.0037 \pm 0.0014	0.0053 \pm 0.0029
13	11.357	2,4-Dihydroxybutanoic acid	0.0147 \pm 0.0051	0.0155 \pm 0.0080	0.0166 \pm 0.0047
14	11.583	(<i>R</i> *, <i>S</i> *)-3,4-Dihydroxybutanoic acid	0.0304 \pm 0.0098	0.0132 \pm 0.0064	0.0178 \pm 0.0107
15	11.797	<i>N</i> -(1-Oxobutyl)-glycine	0.0653 \pm 0.0244	0.0319 \pm 0.0186	0.0274 \pm 0.0151
16	12.341	Isovalerylglycine	0.0356 \pm 0.0134	0.0160 \pm 0.0079	0.0107 \pm 0.0073
17	12.483	D-Threitol	0.0714 \pm 0.0273	0.0290 \pm 0.0130	0.0251 \pm 0.0151
18	12.645	<i>N</i> -Crotonylglycine	0.0240 \pm 0.0146	0.0207 \pm 0.0129	0.0148 \pm 0.0099
19	12.973, 13.203	2,3,4-Trihydroxybutyrate	0.1276 \pm 0.0162	0.0631 \pm 0.0343	0.0412 \pm 0.0250
20	14.53	<i>N</i> -(1-Oxohexyl)-glycine	0.0960 \pm 0.0319	0.0421 \pm 0.0273	0.0232 \pm 0.0081
21	14.58	3-Hydroxyphenylacetic acid	0.0326 \pm 0.0100	0.0140 \pm 0.0081	0.0134 \pm 0.0088
22	14.713	D-Xylose	0.0408 \pm 0.0150	0.0182 \pm 0.0044	0.0193 \pm 0.0053
23	14.823, 15.057	D-Ribose	0.0926 \pm 0.0370	0.0252 \pm 0.0142	0.0250 \pm 0.0179
24	15.509, 15.733	Arabitol	0.0287 \pm 0.0164	0.0283 \pm 0.0179	0.0278 \pm 0.0215
25	16.023	6-Deoxy-D-galactose	0.0336 \pm 0.0083	0.0177 \pm 0.0100	0.0149 \pm 0.0104
26	16.087	Mannonic acid	0.0505 \pm 0.0177	0.0211 \pm 0.0143	0.0168 \pm 0.0138
27	16.2	<i>Cis</i> -aconitic acid*	0.0535 \pm 0.0288	0.0105 \pm 0.0079	0.0168 \pm 0.0147
28	16.357	Phosphoric acid	0.0414 \pm 0.0202	0.0230 \pm 0.0141	0.0212 \pm 0.0168
29	17.177	Isocitric acid*	0.0348 \pm 0.0121	0.0140 \pm 0.0093	0.0248 \pm 0.0138
30	17.563	Hippuric acid	0.0470 \pm 0.0126	0.0180 \pm 0.0074	0.0156 \pm 0.0096
31	17.85, 17.96	D-Fructose*	0.0512 \pm 0.0286	0.0371 \pm 0.0145	0.0480 \pm 0.0131
32	18.087	<i>N</i> -Phenyl glycine*	0.0596 \pm 0.0214	0.0455 \pm 0.0272	0.0389 \pm 0.0287
33	18.197, 18.147	D-Glucose*	0.3785 \pm 0.1618	0.1741 \pm 0.0654	0.1859 \pm 0.0736
34	18.507	Altronic acid	0.0302 \pm 0.0069	0.0185 \pm 0.0100	0.0102 \pm 0.0074
35	18.577, 18.65	D-Sorbitol*	0.0896 \pm 0.0269	0.0254 \pm 0.0187	0.0300 \pm 0.0275
36	18.983, 19.533	Galactonic acid	0.0613 \pm 0.0282	0.0617 \pm 0.0328	0.0441 \pm 0.0351
37	19.99	Palmitic acid	0.0084 \pm 0.0009	0.0067 \pm 0.0017	0.0071 \pm 0.0025
38	20.403	Myo-inositol	0.0347 \pm 0.0228	0.0097 \pm 0.0037	0.0134 \pm 0.0129
39	25.465	D-Turanose	0.0216 \pm 0.0138	0.0197 \pm 0.0090	0.0510 \pm 0.0099
40	25.653, 25.783	D-(+)-Lactose monohydrate*	1.0400 \pm 0.3349	0.7475 \pm 0.2366	0.6559 \pm 0.3286
41	25.927	Lactose*	0.0142 \pm 0.0043	0.0143 \pm 0.0075	0.0190 \pm 0.0163

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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