



Correction: Distinguishing Turkish pine honey from multi-foral honey through MALDI-MS-based N-glycomics and machine learning

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Correction to:

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The original version of this article unfortunately contained errors in Fig. 1 and Table 1.

In Fig. 1A, the mass peaks at 1678.540, 1840.607, and 1922.664 were published incorrectly in the article. This error has been revised, ensuring that the labels now match with Fig. 1B.

Also, in Table 1, the column header “composition” would have been “proposed composition”.

The corrected Fig. 1 and Table 1 are presented here.

The original article has been corrected.

The original article can be found online at <https://doi.org/10.1007/s11694-024-02597-5>.

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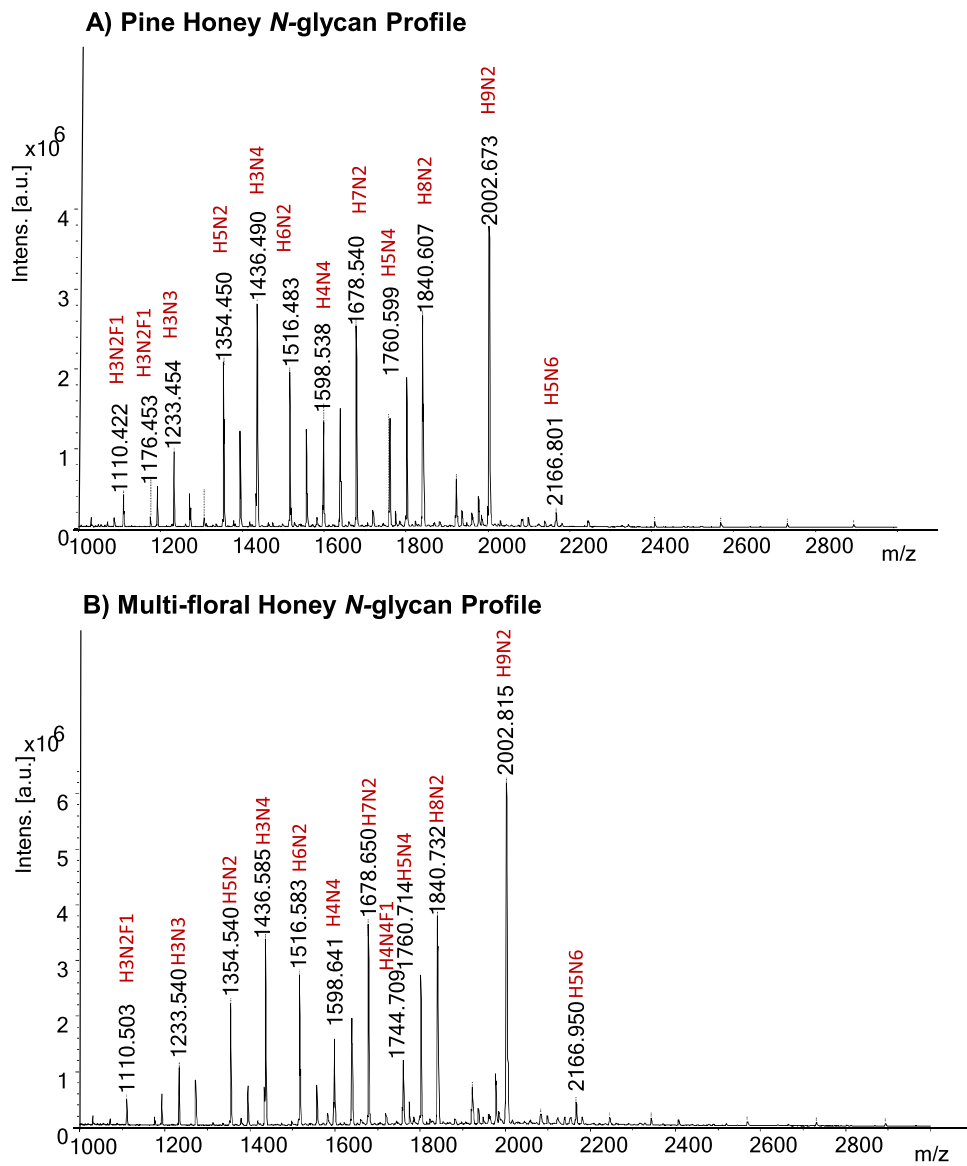


Fig. 1 MALDI-MS spectra of identified N-glycans derived from A pine honey and B multi-floral honey

Table 1 The list of the identified *N*-glycans belonging to pine and multi-floral honeys

Row	Proposed Composition	m/z meas	z	m/z calc	Δ MH+ [Da]
1	Hex3HexNAc2-AA	1030.469	-1	1030.373	0.096
2	Hex3HexNAc2Pen1-AA	1162.465	-1	1162.416	0.049
3	Hex3HexNAc2dHex1-AA	1176.473	-1	1176.431	0.041
4	Hex3HexNAc2Me2Pen1-AA	1190.443	-1	1190.447	-0.004
5	Hex4HexNAc2-AA	1192.466	-1	1192.426	0.040
6	Hex3HexNAc3-AA	1233.476	-1	1233.453	0.024
7	Hex3HexNAc3S1-AA	1313.443	-1	1313.409	0.034
8	Hex4HexNAc2dHex1-AA	1338.476	-1	1338.484	-0.008
9	<i>Hex5HexNAc2-AA</i>	1354.471	-1	1354.479	-0.008
10	Hex3HexNAc3Pen1-AA	1365.477	-1	1365.495	-0.018
11	Hex3HexNAc3dHex1-AA	1379.496	-1	1379.511	-0.015
12	<i>Hex4HexNAc3-AA</i>	1395.493	-1	1395.505	-0.013
13	Hex3HexNAc4-AA	1436.511	-1	1436.532	-0.021
14	Hex3HexNAc4S1-AA	1516.503	-1	1516.489	0.014
15	Hex6HexNAc2-AA	1516.530	-1	1516.532	-0.002
16	Hex4HexNAc3Pen1-AA	1527.456	-1	1527.548	-0.092
17	Hex4HexNAc3dHex1-AA	1541.594	-1	1541.563	0.030
18	<i>Hex5HexNAc3-AA</i>	1557.532	-1	1557.558	-0.027
19	Hex3HexNAc4Pen1-AA	1568.566	-1	1568.574	-0.008
20	Hex3HexNAc4dHex1-AA	1582.557	-1	1582.590	-0.033
21	Hex4HexNAc4-AA	1598.554	-1	1598.585	-0.031
22	Hex3HexNAc5-AA	1639.586	-1	1639.611	-0.026
23	Hex6HexNAc2dHex1-AA	1662.645	-1	1662.590	0.055
24	Hex4HexNAc4S1-AA	1678.560	-1	1678.542	0.018
25	Hex7HexNAc2-AA	1678.588	-1	1678.585	0.004
26	Hex3HexNAc5S1-AA	1719.580	-1	1719.568	0.012
27	Hex6HexNAc3-AA	1719.609	-1	1719.611	-0.002
28	Hex4HexNAc4dHex1-AA	1744.610	-1	1744.643	-0.033
29	Hex4HexNAc4Me2Pen1-AA	1758.565	-1	1758.658	-0.094
30	Hex5HexNAc4-AA	1760.617	-1	1760.638	-0.021
31	Hex3HexNAc5dHex1-AA	1785.643	-1	1785.669	-0.026
32	Hex4HexNAc5-AA	1801.651	-1	1801.664	-0.013
33	Hex5HexNAc4S1-AA	1840.606	-1	1840.594	0.011
34	Hex8HexNAc2-AA	1840.629	-1	1840.637	-0.008
35	Hex3HexNAc6-AA	1842.776	-1	1842.691	0.085
36	Hex4HexNAc5S1-AA	1881.634	-1	1881.621	0.013
37	Hex5HexNAc4dHex1-AA	1906.760	-1	1906.696	0.064
38	Hex4HexNAc3NeuAc1S1dHex1-AA	1912.624	-1	1912.616	0.008
39	Hex8HexNAc2P1-AA	1920.638	-1	1920.604	0.035
40	Hex5HexNAc4Me2Pen1-AA	1920.672	-1	1920.711	-0.039
41	Hex3HexNAc6S1-AA	1922.661	-1	1922.648	0.014
42	Hex6HexNAc4-AA	1922.683	-1	1922.690	-0.007
43	Hex4HexNAc5dHex1-AA	1947.717	-1	1947.722	-0.005
44	Hex5HexNAc5-AA	1963.729	-1	1963.717	0.012
45	Hex6HexNAc4Me3-AA	1964.692	-1	1964.737	-0.045
46	Hex5HexNAc4S1dHex1-AA	1986.670	-1	1986.652	0.018
47	Hex3HexNAc6dHex1-AA	1988.805	-1	1988.749	0.057
48	Hex3HexNAc6S2-AA	2002.634	-1	2002.604	0.030
49	Hex9HexNAc2-AA	2002.705	-1	2002.690	0.015
50	Hex4HexNAc6-AA	2004.866	-1	2004.744	0.123
51	Hex8HexNAc3-AA	2043.577	-1	2043.717	-0.139

Table 1 (continued)

Row	Proposed Composition	m/z meas	z	m/z calc	Δ MH+ [Da]
52	Hex3HexNAc7-AA	2045.738	-1	2045.770	-0.032
53	Hex5HexNAc4NeuAc1-AA	2051.847	-1	2051.733	0.114
54	Hex6HexNAc4dHex1-AA	2068.814	-1	2068.748	0.066
55	Hex9HexNAc2P1-AA	2082.722	-1	2082.657	0.065
56	Hex7HexNAc4-AA	2084.737	-1	2084.743	-0.007
57	Hex6HexNAc5-AA	2125.888	-1	2125.770	0.118
58	Hex4HexNAc6dHex1-AA	2150.895	-1	2150.801	0.094
59	Hex10HexNAc2-AA	2164.713	-1	2164.743	-0.030
60	Hex5HexNAc6-AA	2166.825	-1	2166.796	0.029
61	Hex4HexNAc4NeuAc2-AA	2180.802	-1	2180.776	0.026
62	Hex4HexNAc7-AA	2207.962	-1	2207.823	0.139
63	Hex7HexNAc4Me4Pen1-AA	2272.727	-1	2272.848	-0.121
64	Hex7HexNAc5-AA	2287.746	-1	2287.823	-0.077
65	Hex4HexNAc5NeuAc1S1dHex1-AA	2318.785	-1	2318.774	0.011
66	Hex5HexNAc6Me2Pen1-AA	2326.899	-1	2326.870	0.029
67	Hex5HexNAc4NeuAc2-AA	2342.871	-1	2342.828	0.043
68	Hex3HexNAc8dHex1-AA	2394.943	-1	2394.907	0.035
69	Hex5HexNAc4Neu2dHex1-AA	2404.769	-1	2404.865	-0.097
70	Hex3HexNAc9-AA	2451.780	-1	2451.929	-0.149
71	Hex5HexNAc4NeuAc2S1dHex1-AA	2568.899	-1	2568.843	0.055
72	Hex5HexNAc6Pen1dHex2-AA	2590.802	-1	2590.954	-0.153
73	Hex16HexNAc2-AA	3137.288	-1	3137.060	0.229
74	Hex7HexNAc8S4-AA	3216.897	-1	3216.888	0.009
75	Hex7HexNAc8S6-AA	3376.759	-1	3376.802	-0.043
76	Hex9HexNAc6NeuAc2dHex1-AA	3543.094	-1	3543.256	-0.162

The glycans highlighted in italic font indicate statistical significance, while those highlighted in bold font are selected for machine learning analysis aimed at distinguishing between pine honey and multi-floral honey

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