
SUPPLEMENTARY MATERIAL

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1 **Table S1.** MALDI-TOF interpretation of species obtained in the
2 tannin/GDE-3/1 (Fisetinidin-Fi; Robinetinidin-Ro; Delphinidin-De). Note:
3 the MW of Catechin and Robinetinidin are the same. Whenever Ro is
4 indicated, it could well be Catechin. Since the relative abundance of
5 Robinetinidin is much higher in mimosa tannin, Ro is always indicated in
6 this table.

Peak (Da)	Calculation Peak (Da)	Products
273.9	274.3	Fi
290.9	300.3	Ro
305.1/327.2	306.3/306.3+23=329.3	De with or without Na ⁺
544.5	546.4	Fi-Fi
<u>560.5</u>	<u>562.6</u>	<u>Ro-De</u>
576.4	578.5	Ro-Ro or Fi-De
608.5	610.5	De-De
754.9	752.7	Fi-GDE-Fi
768.9	768.7	Fi-GDE-Ro
776.3	752.8+23=775.8	Fi-GDE-Fi with Na ⁺
783.1	784.7	Ro-GDE-Ro
803.3	800.8	Ro-GDE-De
807.8	784.8+23=807.8	Ro-GDE-Ro with Na ⁺

819.4	818.6 or 818.9	De-GDE-De or Fi-Fi-Fi
822.0	800.8+23=823.8	Ro-GDE-De with Na ⁺
831.0	833.9	Ro-Fi-Fi
843.0	818.6+23=841.6	or De-GDE-De with Na ⁺ or Fi-Fi-Fi
	818.9+23=841.9	with Na ⁺
875.0	850.9+23=873.9	Ro-Ro-Fi with Na ⁺
892.1	866.7+23=889.7	Ro-Ro-Ro with Na ⁺
907.2	882.9+23=905.9	Ro-Ro-De with Na ⁺
923.4	898.9+23=921.9	Ro-De-De with Na ⁺
939.3	914.9+23=937.9	De-De-De with Na ⁺
1049.8	1025.1+23=1048.1	Fi-Fi-GDE-Fi with Na ⁺
1097.9	1073.0+23=1096.0	Ro-Ro-GDE-Ro with Na ⁺
1101.7	1105.0	De-De-GDE-Ro
1124.0	1121.1 or 1123.2	De-De-GDE-De or Fi-Fi-Ro-Ro
1137.0	1139.2	Fi-Ro-Ro-Ro
1168.0	1171.2	De-Ro-Ro-Ro
1188.4	1187.1	De-De-Ro-Ro
1196.5	1171.2+23=1194.2	De-Ro-Ro-Ro with Na ⁺
1205.9	1203.2	De-De-De-Ro
1220.0/1222.	1219.2	De-De-De-De
1		
1240.6	1242.2	De-De-De-De with Na ⁺

1247.5	1247.3	Fi-GDE-Fi-GDE-Ro
1263.5	1263.3	Fi-GDE-Ro-GDE-Ro
1278.5	1279.3	Ro-GDE-Ro-GDE-Ro
1314.2	1311.3 or 1313.4	Ro-GDE-De-GDE-De or Ro-Fi-GDE-Fi-Fi
1320.9	1295.3+23=1318.3 or 1297.4+23=1320.4	Ro-GDE-Ro-GDE-De with Na ⁺ or Fi-Fi-GDE-Fi-Fi with Na ⁺
1330.9	1329.4	Ro-Fi-GDE-Ro-Fi
1335.1	1311.3+23=1334.3	Ro-GDE-De-GDE-De with Na ⁺
1360.5	1361.2	Ro-Ro-GDE-Ro-Ro
1386.8	1361.4+23=1384.4 or 1363.5+23=1386.5	Ro-Ro-GDE-Ro-Ro with Na ⁺ or Fi-Fi-Fi-Fi-Fi with Na ⁺
1394.6	1393.4 or 1395.5	Ro-De-GDE-Ro-De or Ro-Fi-Fi-Fi-Ro
1399.8	1377.4+23=1400.4	Ro-Ro-GDE-Ro-De with Na ⁺
1415.0	1416.4	Ro-De-GDE-Ro-De with Na ⁺
1424.0	1425.4	De-De-GDE-De-De
1429.6	1409.2+23=1432.2 or 1427.5	De-De-GDE-Ro-De with Na ⁺ or Ro-Ro-Ro-Fi-Ro
1445.0	1424.4+23=1447.4 or 1443.5	De-De-GDE-De-De with Na ⁺ or Ro-Ro-Ro-Ro-Ro
1452.5	1427.5+23=1450.5	Ro-Ro-Ro-Fi-Ro with Na ⁺

1457.4	1459.5	Ro-Ro-Ro-Ro-De
1473.4	1475.5	Ro-Ro-Ro-De-De
1480.6	1459.5+23=1482.5	Ro-Ro-Ro-Ro-De with Na ⁺
1503.5	1503.6	Fi-GDE- <u>Fi-Fi</u> -GDE-Fi
1515.6	1519.6 or 1514.5	Fi-GDE- <u>Fi-Ro</u> -GDE-Fi or Ro-Ro-De-De-De with Na ⁺
1531.9	1507.5+23=1530.5	Ro-De-De-De-De with Na ⁺
1561.4	1535.6+23=1558.6	Fi-GDE- <u>Ro-Ro</u> -GDE-Fi with Na ⁺
1573.8	1551.6+23=1574.6	Ro-GDE- <u>Ro-Ro</u> -GDE-Fi with Na ⁺
1589.8	1567.6+23=1590.6	Ro-GDE- <u>Ro-Ro</u> -GDE-Ro with Na ⁺
1605.3	1583.6+23=1606.6	Ro-GDE- <u>Ro-Ro</u> -GDE-De with Na ⁺
1619.3	1599.6+23=1622.6 or 1615.6 or 1617.7	De-GDE- <u>Ro-Ro</u> -GDE-De with Na ⁺ or De-GDE- <u>Ro-De</u> -GDE-De or Ro-Ro-GDE-Ro-Fi-Fi
1631.9	1631.6 or 1633.7	De-GDE- <u>De-De</u> -GDE-De or Ro-Ro-GDE-Ro-Ro-Fi
1648.0	1649.5	Ro-Ro-GDE-Ro-Ro-Ro
1690.2	1665.7+23=1688.7 or 1667.8+23=1690.8	De-Ro-GDE-Ro-Ro-Ro with Na ⁺ or Fi-Fi-Fi-Fi-Ro-Ro with Na ⁺

1706.1	1709.8	or	Fi-GDE- <u>Fi</u> -GDE- <u>Fi</u> -GDE- <u>Fi</u>	or
	1681.7+23=1704.7	or	De-De-GDE-Ro-Ro-Ro	with Na ⁺
	1683.8+23=1706.8	or	Fi-Fi-Fi-Ro-Ro-Ro	with Na ⁺
1720.9	1699.8+23=1699.8		Fi-Fi-Ro-Ro-Ro-Ro	with Na ⁺
1748.5	1725.8+23=1748.8	or	Ro-GDE- <u>Fi</u> -GDE- <u>Fi</u> -GDE- <u>Fi</u>	
	1747.8		with Na ⁺	or De-Ro-Ro-Ro-Ro-Ro
1764.5	1741.8+23=1764.8	or	Ro-GDE- <u>Fi</u> -GDE- <u>Fi</u> -GDE-Ro	
	1763.8		with Na ⁺	or De-De-Ro-Ro-Ro-Ro
1778.9	1757.8+23=1780.8	or	Ro-GDE- <u>Fi</u> -GDE-Ro-GDE-Ro	
	1779.8		with Na ⁺	or De-De-De-Ro-Ro-Ro
1793.9	1773.8+23=1796.8	or	Ro-GDE-Ro-GDE-Ro-GDE-Ro	
	1795.8		with Na ⁺	or De-De-De-De-Ro-Ro
1806.8	1805.8		De-GDE- <u>Ro</u> -GDE- <u>Ro</u> -GDE-De	
1822.6	1821.8		De-GDE- <u>Ro</u> -GDE-De-GDE-De	
1836.9	1837.8 or 1839.9	or	De-GDE-De-GDE-De-GDE-De	
	1811.8+23=1834.8	or	Ro-Ro-GDE-Ro-Ro-GDE- <u>Fi</u>	or
			De-De-De-De-De-Ro	with Na ⁺
1852.5	1855.9	or	Ro-Ro-GDE-De-Ro-GDE- <u>Fi</u>	or
	1827.8+23=1850.8		De-De-De-De-De-De	with Na ⁺
1865.3	1839.9+23=1862.9		Ro-Ro-GDE-Ro-Ro-GDE- <u>Fi</u>	with
			Na ⁺	
1880.9	1855.9+23=1878.9		Ro-Ro-GDE-De-Ro-GDE- <u>Fi</u>	with

			Na ⁺
1894.7	1874+23=1897	or	Fi-Fi-Fi-Fi-Fi-GDE-De with Na ⁺
	1871.9+23=1894.9	or	De-Ro-GDE-De-Ro-GDE-Fi with Na ⁺
1910.7	1890+23=1913	or	Fi-Fi-Fi-Ro-Fi-GDE-De with Na ⁺
	1887.9+23=1910.9	or	De-De-GDE-De-Ro-GDE-Fi with Na ⁺
1922.8	1919.9 or 1922		De-GDE-De-De-GDE- <u>De-Ro</u> or Fi-Fi-Ro-Ro-Ro-GDE-De
1939.0	1937.7 or 1938		De-GDE-De-De-GDE-De-De or Fi-Ro-Ro-Ro-Ro-GDE-De
1953.5	1954		Ro-Ro-Ro-Ro-Ro-GDE-De
1968.4	1970		De-Ro-Ro-Ro-Ro-GDE-De
1982.5	1982.1		Fi-GDE-Fi-GDE-Fi-GDE- <u>Fi-Fi</u>
1997.7	1998.1		Fi-GDE-Fi-GDE-Fi-GDE- <u>Fi-Ro</u>
2012.8	2014.1		Fi-GDE-Fi-GDE-Fi-GDE- <u>Fi-De</u>
2026.8	2002+23=2025		De-De-De-Ro-Ro-GDE-De with Na ⁺
2039.2	2018+23=2041		De-De-De-De-Ro-GDE-De with Na ⁺
2055.0	2030.1+23=2053.1 or 2034+23=2057	or	Fi-GDE-Fi-GDE-Fi-GDE- <u>Ro-De</u> with Na ⁺ or

		De-De-De-Ro-De-GDE-De with Na ⁺
2072.2	2048.2+23=2071.2 or 2046.1+23=2069.1	Fi-Fi-GDE-Fi-Fi-GDE- <u>Fi-Fi</u> with Na ⁺ or Fi-GDE-Fi-GDE-Ro-GDE- <u>Ro-De</u> with Na ⁺
2086.8	2064.2+23=2087.2 or 2062.1+23=2085.1	Fi-Fi-GDE-Fi-Fi-GDE- <u>Fi-Ro</u> with Na ⁺ or or Fi-GDE-Ro-GDE-Ro-GDE- <u>Ro-D</u> <u>e</u> with Na ⁺
2097.6	2094.0	De-GDE- <u>Ro-De</u> -GDE-Ro-GDE-Ro
2127.5	2126.1	De-GDE- <u>Ro-De</u> -GDE-De-GDE-De
2143.3	2142.1	De-GDE- <u>De-De</u> -GDE-De-GDE-De
2172.5	2174.2	Ro-Ro-De-2GDE-De-De-Fi
