

**SUPPLEMENTARY DATA**

**Preliminary NMR and chemometric study of pine jams used as medicinal remedies**

D. Gerginova, D. Dimova, S. Simova\*

*Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, Acad. G. Bonchev street, bl. 9, 1113 Sofia, Bulgaria*

e-mail: sds@orgchm.bas.bg

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**Table S1.** Input data set with normalized intensities of the detected organic ingredients in the investigated natural remedies (in g/100g).

<b>Component</b>	<b>Oak honeydew honey</b>	<b>Polyfloral honey</b>	<b>Pine cones jam</b>	<b>Pine honeydew honey</b>	<b>Pine buds jam</b>
<b>Gl</b>	34.2295	30.4499	12.0846	38.7840	42.0660
<b>IMu</b>	0.5165	0.0000	0.0000	0.0708	0.0000
<b><math>\alpha\beta</math>Tr</b>	0.2796	0.1669	0.0000	0.2265	0.0000
<b>TuP</b>	1.6036	1.1112	0.0795	0.6504	0.3601
<b>Lu</b>	0.2733	0.1387	0.0000	0.1805	0.0000
<b>Er</b>	0.6094	0.4508	0.0000	0.7676	0.0000
<b>Pa</b>	0.3664	0.2700	0.0000	0.7970	0.0000
<b>Ma</b>	0.3081	1.1624	0.0000	0.9076	0.0000
<b>Ng</b>	0.4446	0.2579	0.0000	0.2249	0.0000
<b>IMa</b>	1.1556	0.7541	0.0000	0.8339	0.0000
<b>Tru</b>	0.7856	0.6385	0.0957	0.7868	0.3650
<b>Ks</b>	0.3194	0.0000	0.0000	0.2061	0.0000
<b>Kb</b>	0.5856	0.4592	0.0000	0.1545	0.0000
<b>Mz</b>	0.2438	0.0000	0.0000	0.5094	0.0000
<b>Q</b>	0.4661	0.0000	0.0000	0.1259	0.0000
<b>Pro</b>	0.1300	0.1014	0.0000	0.4333	0.0000
<b>mBd</b>	0.1815	0.0000	0.0000	0.0708	0.0000
<b>Un1</b>	0.1483	0.2891	0.0000	0.4190	0.1743
<b>Un2</b>	0.3533	0.4725	0.0000	0.0000	0.3225
<b>Un3</b>	0.0775	0.0712	0.0000	0.0000	0.1398
<b>Un4</b>	0.0932	0.1053	0.0000	0.0000	0.0849
<b>Un5</b>	0.0639	0.0779	0.0000	0.0442	0.0680
<b>Un6</b>	0.0000	0.0600	0.0000	0.0854	0.0615
<b>Un7</b>	0.1394	0.0448	0.0000	0.0000	0.0000
<b>Un8</b>	0.1946	0.0869	0.0000	0.2296	0.0000
<b>Un9</b>	0.1864	0.1172	0.0000	0.0000	0.0000
<b>Un10</b>	0.0501	0.1212	0.0000	0.1697	0.0000
<b>Un11</b>	0.0691	0.0493	0.0000	0.0000	0.0000
<b>Un12</b>	0.0533	0.0365	0.0000	0.0000	0.0000
<b>Un13</b>	0.0922	0.0856	0.0000	0.0000	0.0516
<b>Un14</b>	0.0650	0.0681	0.0000	0.0000	0.0000
<b>Un15</b>	0.5198	0.3073	0.0000	0.0000	0.0000
<b>rBD</b>	0.1759	0.0000	0.0000	0.0000	0.0000
<b>Su</b>	0.3113	0.2270	49.2307	0.0000	3.5226
<b>Rf</b>	0.3854	0.2329	0.1157	0.2799	0.0000
<b>F</b>	39.7665	40.6284	7.8390	32.2524	39.1976
<b>Et</b>	0.0000	0.0000	0.0027	0.0000	0.0000
<b>Al</b>	0.0000	0.0000	0.0006	0.0000	0.0000
<b>HMF</b>	0.0000	0.0000	0.0011	0.0000	0.0219
<b>Gb</b>	0.0000	0.0000	0.0011	0.0834	0.1893
<b><math>\alpha\alpha</math>Tr</b>	0.0000	0.0000	0.0011	0.4583	0.0000

**Table 2S.** Factor loadings for a [5×41] matrix.

<b>Variables</b>	<b>PC1</b>	<b>PC2</b>	<b>PC3</b>	<b>PC4</b>
<b>Gl</b>	0.45	0.28	<b>0.75</b>	0.38
<b>IMu</b>	<b>0.76</b>	-0.29	-0.35	0.46
<b>αβTr</b>	<b>0.95</b>	0.26	-0.17	-0.02
<b>TuP</b>	<b>0.97</b>	-0.24	0.00	-0.05
<b>Lu</b>	<b>0.97</b>	0.14	-0.21	0.05
<b>Er</b>	<b>0.84</b>	0.53	-0.12	-0.08
<b>Pa</b>	0.60	<b>0.79</b>	-0.09	0.00
<b>Ma</b>	0.53	0.46	0.19	<b>-0.69</b>
<b>Ng</b>	<b>0.98</b>	-0.03	-0.18	-0.04
<b>IMa</b>	<b>0.97</b>	0.17	-0.15	-0.08
<b>Tru</b>	<b>0.92</b>	0.35	0.17	0.01
<b>Ks</b>	<b>0.78</b>	0.21	-0.34	0.48
<b>Kb</b>	<b>0.92</b>	-0.29	-0.09	-0.24
<b>Mz</b>	0.49	<b>0.79</b>	-0.20	0.31
<b>Q</b>	<b>0.79</b>	-0.16	-0.36	0.48
<b>Pro</b>	0.45	<b>0.89</b>	-0.07	0.02
<b>mBd</b>	<b>0.80</b>	-0.03	-0.36	0.49
<b>U1</b>	0.47	<b>0.74</b>	0.44	-0.20
<b>U2</b>	0.49	-0.63	0.56	-0.24
<b>U3</b>	0.12	-0.57	<b>0.77</b>	0.27
<b>U4</b>	0.49	-0.65	0.56	-0.12
<b>U5</b>	0.62	-0.17	<b>0.76</b>	-0.08
<b>U6</b>	0.01	0.68	<b>0.71</b>	-0.18
<b>U7</b>	<b>0.82</b>	-0.49	-0.24	0.15
<b>U8</b>	<b>0.81</b>	0.54	-0.19	0.12
<b>U9</b>	<b>0.84</b>	-0.51	-0.13	-0.13
<b>U10</b>	0.53	<b>0.73</b>	0.09	-0.42
<b>U11</b>	<b>0.83</b>	-0.51	-0.10	-0.19
<b>U12</b>	<b>0.83</b>	-0.51	-0.11	-0.17
<b>U13</b>	0.66	-0.65	0.35	-0.12
<b>U14</b>	<b>0.77</b>	-0.49	0.00	-0.40
<b>U15</b>	<b>0.84</b>	-0.51	-0.14	-0.09
<b>rBD</b>	<b>0.72</b>	-0.42	-0.33	0.44
<b>Su</b>	<b>-0.73</b>	-0.19	-0.65	-0.08
<b>Rf</b>	<b>0.88</b>	0.16	-0.44	-0.08
<b>F</b>	0.69	-0.07	<b>0.72</b>	0.06
<b>Al</b>	-0.69	-0.17	-0.69	-0.11
<b>Et</b>	-0.69	-0.17	-0.69	-0.11
<b>HMF</b>	-0.45	-0.23	<b>0.72</b>	0.48
<b>Gb</b>	-0.36	0.22	<b>0.74</b>	0.53
<b>ααTr</b>	0.14	<b>0.98</b>	-0.04	0.10
<b>PCV*</b>	21.00	9.48	7.36	3.16
<b>TESV**</b>	51.23	23.12	17.95	7.70

\*particular component variance; \*\* total amount of the explained system variance