

**Table S2.** Quantities of honey components (in g/100g) in *M. ferruginea* honey (TZ\_1), *M. ferruginea* honey after 18 months' storage (TZ\_18) and Bulgarian honey samples (BG\_P1 – BG\_P5, BG\_M1 – BG\_M5).

Compound, g/100g	<sup>13</sup> C NMR chemical shift (δ), ppm	TZ_1	TZ_18	Average (TZ)	Average (BG)	BG_P1	BG_P2	BG_P3	BG_P4	BG_P5	BG_M1	BG_M2	BG_M3	BG_M4	BG_M5	Average (BG_P)	Average (BG_M)
<b>Monosaccharides</b>																	
<b>F</b>	67.5	26.85	27.69	27.27	36.87	35.08	42.23	37.19	37.45	38.64	35.43	35.64	36.64	35.81	34.59	38.12	35.62
<b>G</b>	74.1	12.76	12.29	12.53	31.70	32.85	27.67	32.35	32.43	31.86	32.85	31.91	30.59	31.34	33.17	31.43	31.97
<b>Disaccharides</b>																	
<b>Gb</b>	102.5	0.00	0.00	0.00	0.05	0.13	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.17	0.00	0.03	0.06
<b>IMa</b>	97.7	1.22	2.69	1.96	1.07	0.83	0.76	0.86	0.86	1.22	1.26	1.16	0.83	1.36	1.54	0.91	1.23
<b>IMu</b>	104.7	1.24	1.59	1.42	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.32	0.46	0.00	0.24
<b>Kb</b>	89.3	0.30	0.42	0.36	0.79	0.75	0.64	0.82	0.81	0.91	0.76	0.87	0.85	0.93	0.53	0.79	0.79
<b>Lu</b>	100.1	0.46	0.51	0.49	0.14	0.09	0.11	0.09	0.09	0.11	0.17	0.15	0.15	0.19	0.21	0.10	0.17
<b>Ma</b>	99.5	1.56	1.97	1.77	0.93	1.72	1.17	1.23	1.44	0.28	0.75	1.03	0.65	0.57	0.48	1.17	0.70
<b>Mu</b>	100.3	1.27	1.63	1.45	1.32	1.15	1.17	1.00	1.17	1.28	1.39	1.35	1.48	1.34	1.86	1.15	1.48
<b>Ng</b>	98.8	0.64	0.59	0.62	0.46	0.40	0.41	0.49	0.42	0.56	0.41	0.52	0.55	0.46	0.37	0.46	0.46
<b>Su</b>	76.4	0.62	0.29	0.46	0.27	0.45	0.23	0.25	0.23	0.19	0.14	0.18	0.69	0.18	0.14	0.27	0.27
<b>Tru</b>	97.7	20.87	20.62	20.75	1.06	0.81	0.90	0.80	0.86	1.01	1.22	0.98	1.27	1.19	1.55	0.88	1.24
<b>Tu</b>	100.7	3.52	2.66	3.09	1.75	1.97	1.98	1.64	1.80	1.58	1.81	1.90	1.49	1.92	1.40	1.79	1.70
<b>ααTr</b>	93.0	0.00	0.12	0.06	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.10	0.06	0.12	0.01	0.07
<b>αβTr</b>	102.7	0.35	0.29	0.32	0.28	0.25	0.26	0.26	0.29	0.29	0.26	0.35	0.33	0.34	0.21	0.27	0.30
<b>Trisaccharides</b>																	
<b>Er</b>	99.6	0.74	0.17	0.46	0.45	1.10	0.74	0.97	0.39	0.26	0.28	0.23	0.20	0.24	0.06	0.69	0.20
<b>1-Ks</b>	92.3	0.00	0.00	0.00	0.22	0.12	0.00	0.20	0.00	0.00	0.25	0.31	0.49	0.34	0.44	0.06	0.37
<b>Mr</b>	99.3	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.21	0.00	0.03	0.00	0.09
<b>Mz</b>	91.5	0.22	0.12	0.17	0.05	0.07	0.00	0.00	0.00	0.00	0.12	0.08	0.03	0.21	0.00	0.01	0.09

<b>Pa</b>	99.6	0.52	0.43	0.48	0.26	0.58	0.24	0.24	0.20	0.27	0.23	0.27	0.25	0.25	0.08	0.31	0.22
<b>Rf</b>	76.2	0.65	0.49	0.57	0.30	0.27	0.20	0.26	0.23	0.25	0.33	0.33	0.34	0.33	0.42	0.24	0.35
<b>Other compounds</b>																	
<b>Q</b>	33.3	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.28	0.23	0.31	0.36	0.31	0.00	0.30
<b>U</b>	-	5.98	5.26	5.62	1.60	1.29	1.27	1.27	1.26	1.24	1.97	1.89	1.97	1.96	1.90	1.27	1.94

Acronyms: F – Fructose; G – Glucose; Gb – Gentiobiose; IMa – Isomaltose; IMu – Isomaltulose; Kb – Kojibiose; Lu – Leucrose; Ma – Maltose; Mu – Maltulose; Ng – Nigerose; Su – Sucrose; Tru – Trehalulose; Tu – Turanose;  $\alpha\alpha$ Tr –  $\alpha\alpha$ Trehalose;  $\alpha\beta$ Tr –  $\alpha\beta$ Trehalose; Er – Erlose; 1-Ks – 1-Kestose; Mr – Maltotriose; Mz – Melezitose; Pa – Panose; Rf – Raffinose; Q – Quercitol; U – Unknowns (sum of 15 unidentified compounds with signals at  $\delta$  104.1 ppm (U1), 103.7 ppm (U2), 103.6 ppm (U3), 103.5 ppm (U4), 103.4 ppm (U5), 103.3 ppm (U6), 102.9 ppm (U7), 102.3 ppm (U8), 101.7 ppm (U9), 101.2 ppm (U10), 100.7 ppm (U11), 98.1 ppm (U12), 97.8 ppm (U13), 96.7 ppm (U14), 12.0 ppm (U15)).