

Supplementary Table S1. Total proteins (TP), apolipoporphin-I (ApoLp-I), vitellogenin (Vg), apolipoporphin-II (ApoLp-II), transferrin (Tf) and hexamerin 70a (Hex-70a) determined in haemolymph of honeybees sampled from colonies of four apiaries located in the province of Bologna (A, B, C, and D) in different months (April, May, July, a November). Data are expressed in mg/mL and are reported as mean \pm SD ($n = 3$).

		April	May	July	November
TP mg/mL	A	12.7 \pm 6.23a	23.3 \pm 4.49b,c,d *	19.6 \pm 1.70a,c	53.8 \pm 12.2b,d
	B	12.6 \pm 3.94a	13.3 \pm 1.53a,b *	20.4 \pm 5.95a,b	49.7 \pm 8.53b
	C	13.5 \pm 0.36a	44.5 \pm 7.50a,b†	21.7 \pm 3.58a,b	63.1 \pm 3.49b
	D	13.6 \pm 3.75a	24.6 \pm 9.36a,b *	21.6 \pm 9.46a	51.1 \pm 10.5b
ApoLp-I mg/mL	A	2.18 \pm 0.51	2.03 \pm 3.51	7.16 \pm 8.36	8.18 \pm 1.97
	B	2.37 \pm 2.55a,b	0.00 \pm 0.00a	3.30 \pm 3.26a,b	11.4 \pm 0.57b
	C	0.67 \pm 0.82	10.0 \pm 0.75	5.23 \pm 2.50	8.24 \pm 1.60
	D	6.56 \pm 5.82	2.49 \pm 2.98	3.12 \pm 7.14	8.73 \pm 7.01
Vg mg/mL	A	0.69 \pm 0.60a	3.44 \pm 5.95a,b	11.9 \pm 11.9a,b	33.9 \pm 7.13b
	B	0.54 \pm 0.66a	0.00 \pm 0.00a,b	5.70 \pm 5.59a,b	41.5 \pm 10.9b
	C	0.39 \pm 0.67a	17.5 \pm 1.25a	12.2 \pm 6.75a,b	38.8 \pm 6.95b
	D	3.45 \pm 3.51	1.05 \pm 0.36	9.33 \pm 16.2	35.4 \pm 26.6
ApoLp-II mg/mL	A	1.97 \pm 0.45	0.29 \pm 0.50	2.40 \pm 0.62	1.94 \pm 0.54
	B	0.82 \pm 0.49a,b	0.25 \pm 0.03a,b	0.81 \pm 0.36a	2.06 \pm 0.18b
	C	0.79 \pm 0.39	1.68 \pm 0.17	2.02 \pm 0.83	1.79 \pm 0.21
	D	2.39 \pm 0.82	1.05 \pm 0.36	1.41 \pm 2.44	1.21 \pm 0.74
Tf mg/mL	A	0.39 \pm 0.25a,b	0.29 \pm 0.50a	1.24 \pm 0.37a,b	2.58 \pm 0.51b
	B	0.18 \pm 0.08a,b,c	0.07 \pm 0.01a	0.56 \pm 0.13b	2.32 \pm 0.56c
	C	0.21 \pm 0.1	2.50 \pm 1.29	0.99 \pm 0.31	3.18 \pm 0.54
	D	0.57 \pm 0.49	1.10 \pm 0.27	0.74 \pm 1.29	2.25 \pm 0.72
Hex-70a mg/mL	A	1.55 \pm 1.25	0.56 \pm 0.97	2.63 \pm 1.36	5.36 \pm 1.31
	B	0.71 \pm 0.33a	0.24 \pm 0.02a	1.21 \pm 0.74a	4.46 \pm 1.14b
	C	0.54 \pm 0.27	4.40 \pm 0.14	2.37 \pm 1.14	6.11 \pm 0.40
	D	1.42 \pm 1.32	1.70 \pm 1.13	1.41 \pm 2.44	4.72 \pm 0.49

For each analyte, different lower-case letters within rows indicates significant differences ($p < 0.05$) among time-points within each apiary.

For each analyte, the different symbols (*; †) within columns indicates significant differences ($p < 0.05$) among apiaries within each time-point.