

Supplementary data for article:

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Supplementary material

Polyphenolic profile and antioxidant properties of bee-collected pollen from sunflower

(*Helianthus annuus* L.) plant

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Table S1. Validation data on polyphenols quantified in pollen samples in negative ionization mode with regression equation parameters, correlation coefficient (R^2), limits of detection (LOD) and quantification (LOQ), as determined using UHPLC/MS-MS Orbitrap analysis.

Compound	Regression equation		R^2	LOD (mg/L)	LOQ (mg/L)
	$y = a + bx$				
	a	b			
Protocatechuic acid	372953	17248492	0.9992	0.06	0.21
5-<i>O</i>-Caffeoylquinic acid	-667386	17009107	0.9980	0.11	0.36
Caffeic acid	-1300095	24277219	0.9959	0.14	0.46
<i>p</i>-Coumaric acid	571464	5597813	0.9939	0.17	0.57
Ferulic acid	6552	174811	0.9954	0.17	0.57
Quercetin	140303	4462354	0.9964	0.14	0.45
Quercetin 3-<i>O</i>-galactoside	713161	33332007	0.9970	0.12	0.41
Quercetin 3-<i>O</i>-rhamnoside	931477	36870461	0.9930	0.14	0.48
Quercetin 3-<i>O</i>-rutinoside (Rutin)	-371725	19772218	0.9994	0.06	0.19
Isorhamnetin	4909	113723	0.9943	0.17	0.56
Isorhamnetin 3-<i>O</i>-glucoside	768634	21431034	0.9975	0.11	0.37
Isorhamnetin 3-<i>O</i>-rutinoside (Narcissin)	60652	20682542	0.9971	0.09	0.31
Kaempferol	-1206283	31848710	0.9955	0.09	0.30
Galangin	329573	47227358	0.9994	0.05	0.15
Luteolin	191591	34307552	0.9974	0.14	0.47
Apigenin	1009078	68210161	0.9988	0.03	0.11
Acacetin	485378	78349148	0.9991	0.03	0.10
Genkwanin	-1598777	88115620	0.9982	0.06	0.20
Eriodictyol	116165	6338240	0.9984	0.07	0.23
Naringenin	-881654	34231719	0.9988	0.08	0.27
Taxifolin	-59899	1175244	0.9978	0.11	0.38
Phloretin	-2321850	47682738	0.9970	0.10	0.35
Aesculin	-816818	19850966	0.9986	0.07	0.24