Table S1. Correlation matrix presenting the Pearson's coefficients (r) for 42 examined components *vs.* optical rotation angle.

	[α]	G	F	Gb	IMa	IMu	Kb	Lu	Ma	Mu	Ng	Su	ααTr	αβTr	Tru	Tu	Er	1-Ks	Mr	Mz	Pa	Rf
[α]	1																					
G	*0.09**	1																				
F	-0.89**	*-0.17*	1																			
Gb	*-0.22*	*-0.20*	*0.28*	1																		
IMa	*-0.20*	*-0.45*	*0.23*	*0.09*	1																	
IMu	*-0.19*	*-0.37*	*0.22*	*0.01*	0.71	1																
Kb	*-0.54*	*-0.29*	*0.52*	*0.14*	0.67	*0.57*	1															
Lu	*-0.42*	*-0.33*	*0.37*	*-0.03*	0.76	0.60	0.79	1														
Ma	0.88	*0.03*	-0.69	*-0.19*	*-0.32*	*-0.29*	-0.60	*-0.49*	1													
Mu	*-0.44*	*-0.41*	*0.39*	*0.05*	0.87	0.70	0.77	0.86	*-0.51*	1												
Ng	*-0.50*	*-0.33*	*0.45*	*0.20*	0.82	*0.57*	0.81	0.80	*-0.53*	0.89	1											
Su	*0.15*	*-0.36*	*-0.39*	*0.03*	*-0.17*	*-0.12*	*-0.18*	*-0.21*	*-0.09*	*-0.19*	*-0.25*	1										
ααTr	*-0.16*	*0.04*	*0.07*	*0.05*	*0.18*	*0.35*	*0.32*	*0.50*	*-0.26*	*0.30*	*0.31*	*-0.11*	1									
αβTr	-0.58	*-0.45*	*0.50*	*0.09*	0.76	*0.52*	0.74	0.77	*-0.57*	0.86	0.90	*-0.14*	*0.27*	1								
Tru	*-0.38*	*-0.33*	*0.42*	*0.13*	0.88	0.67	0.84	0.81	*-0.51*	0.80	0.76	*-0.20*	*0.24*	0.68	1							
Tu	*-0.62*	*-0.42*	*0.56*	*0.10*	0.66	*0.48*	0.66	0.67	*-0.53*	0.82	0.80	*-0.22*	*0.16*	0.88	0.61	1						
Er	*-0.35*	*-0.30*	*0.35*	*0.17*	*0.20*	*0.01*	*0.11*	*0.19*	*-0.25*	*0.27*	*0.26*	*-0.11*	*0.11*	*0.35*	*0.15*	*0.50*	1					
1-Ks	*-0.21*	*-0.09*	*0.12*	*-0.01*	*0.51*	*0.31*	*0.45*	0.67	*-0.33*	*0.55*	*0.46*	*-0.14*	*0.52*	*0.44*	*0.48*	*0.25*	*0.00*	1				
Mr	0.89	*0.03*	-0.72	*-0.21*	*-0.33*	*-0.27*	-0.62	*-0.50*	0.97	*-0.54*	*-0.57*	*-0.04*	*-0.24*	-0.61	*-0.51*	-0.59	*-0.27*	*-0.30*	1			
Mz	*-0.07*	*-0.13*	*0.06*	*-0.02*	*0.11*	*0.23*	*0.07*	*0.21*	*-0.13*	*0.14*	*0.11*	*-0.06*	0.60	*0.10*	*0.10*	*0.10*	*0.43*	*0.37*	*-0.08*	1		
Pa	*-0.08*	*-0.30*	*0.05*	*0.01*	*0.43*	*0.40*	*0.21*	*0.43*	*-0.22*	*0.37*	*0.33*	*0.01*	*0.54*	*0.32*	*0.39*	*0.30*	*0.53*	*0.35*	*-0.16*	0.82	1	
Rf	*-0.48*	*-0.55*	*0.38*	*0.11*	0.67	*0.49*	0.59	0.67	*-0.55*	0.74	0.67	*0.12*	*0.22*	0.78	0.61	0.66	*0.28*	0.59	-0.58	*0.27*	*0.43*	1

* Data without statistical significance at level p>0.05 are given in italics

** High positive correlations (r>0.8) are highlighted in red, and strong negative correlations (r<-0.8) - in blue.

Table S2. Honey and jam samples investigated

Sample	Type	Botanical origin	Geographical origin	Specific rotation $[\alpha]_D^{20}$
dl1	nectar	diluted	Bulgaria	+7.2
dl2	honeydew	diluted	Bulgaria	+31.1
dl3	nectar	diluted	Romania	+89.2
dl4	nectar	diluted	Romania	+34.1
dl5	nectar	diluted	Romania	+34.1
dl6	nectar	diluted	Romania	+46.1
dl7	nectar	diluted	Bulgaria	+39.3
ch8	mixed	chestnut	Bulgaria	-11.5
ch9	mixed	chestnut	Bulgaria	-3.2
ch10	mixed	chestnut	Bulgaria	-2.5
ch11	mixed	chestnut	Bulgaria	+18.4
cf12	honeydew	coniferous	Bulgaria	-6.3
cf13	honeydew	coniferous	Italy	+9.0
cf14	honeydew	coniferous	Romania	-8.1
ok15	honeydew	oak	Bulgaria	-9.7
ok16	honeydew	oak	Bulgaria	-11.3
ok17	honeydew	oak	Bulgaria	-10.4
ok18	honeydew	oak	Bulgaria	-2.9
ok19	honeydew	oak	Bulgaria	-7.4
ok20	honeydew	oak	Bulgaria	-8.6
ok21	honeydew	oak	Bulgaria	-10.6
ok22	honeydew	oak	North Macedonia	-0.2
ok23	honeydew	oak	Romania	-9.4
ok24	honeydew	oak	Romania	-4.6
ts25	nectar	thistle	Romania	+2.5
ts26	nectar	thistle	Bulgaria	-18.8
tm27	nectar	thyme	Bulgaria	-8.3
cr28	nectar	coriander	Bulgaria	-9.4
rs29	nectar	rapeseed	Bulgaria	-11.2
pf30	nectar	polyfloral	Greece	-16.9

pf31	nectar	polyfloral	Bulgaria	-14.8
ac32	nectar	acacia	Bulgaria	-14.6
ac33	nectar	acacia	Bulgaria	-14.1
ac34	nectar	acacia	Bulgaria	-19.2
ld35	nectar	linden	Bulgaria	-16.3
ld36	nectar	linden	Romania	-15.8
mx37	mixed	mixed	Bulgaria	-14.4
mx38	mixed	mixed	Bulgaria	-9.3
mx39	mixed	mixed	North Macedonia	-15.0
mx40	mixed	mixed	Romania	-11.3
mx41	mixed	mixed	Romania	-35.2
jm42	jam	jam	Bulgaria	+22.7