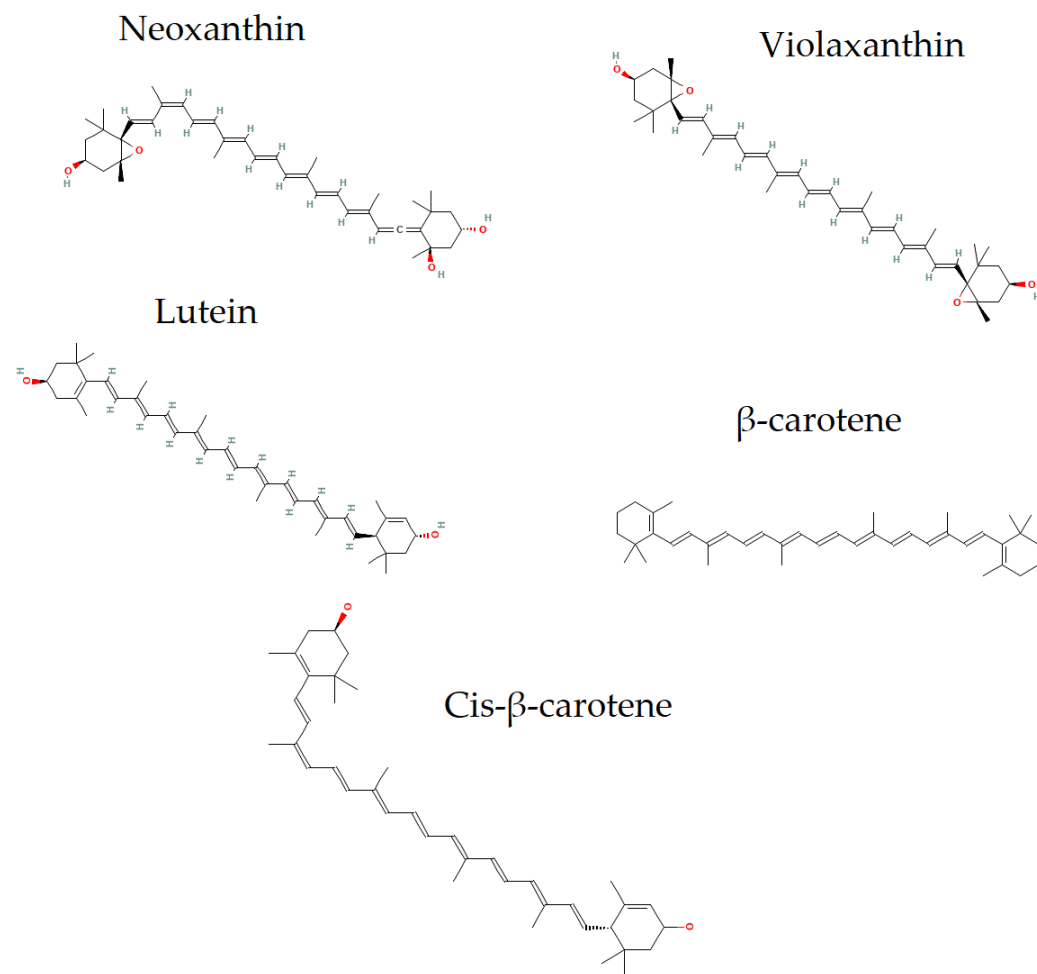


Supplementary Table S1. Retention time (Rt), mass spectral data, and tentative identification of anthocyanins in Cyclamen flowers

Peak no.	R _t (min)	UV λ_{max} (nm)	[M+H] ⁺ (m/z)	Compound	Chemical formula
1	19.39	282, 516	611	Cyanidin 3,5-di-O-glucoside	C ₂₇ H ₃₁ O ₁₆
2	24.66	277, 330, 516	625	Peonidin 3,5-di-O-glucoside	C ₂₈ H ₃₃ O ₁₆
3	26.22	277, 343, 531	655	Malvidin 3,5-di-O-glucoside	C ₂₉ H ₃₅ O ₁₇
4	28.12	282, 330, 521	609	Peonidin 3-rutinoside	C ₂₈ H ₃₃ O ₁₅
5	31.33	282, 330, 516	463	Peonidin 3-O-glucoside	C ₂₂ H ₂₃ O ₁₁
6	33.31	277, 348, 531	493	Malvidin 3-O-glucoside	C ₂₃ H ₂₅ O ₁₂
7	34.45	277, 348, 531	639	Malvidin 3-rutinoside	C ₂₉ H ₃₅ O ₁₆

Supplementary Figure S1. Chemical structures of isolated carotenoids



Supplementary Figure S2. Chemical structures of isolated anthocyanins

