



## SUPPLEMENTS:

**Table S1.** Principal component analysis: eigenvalues, eigenvectors, and contributions of variables and observations for the first three components (PCA dimensions F1 to F3) in *Crocus* species.

<b><i>Eigenvalues:</i></b>	<b>F1</b>	<b>F2</b>	<b>F3</b>
Eigenvalue	5.02	2.26	1.46
Variability (%)	50.22	22.55	14.56
Cumulative %	50.22	72.77	87.33
<b><i>Eigenvectors of variables:</i></b>			
PH	0.32	-0.05	0.43
CW	0.20	0.37	0.44
NL	-0.21	0.45	0.27
LW	0.40	0.20	0.03
NF	0.14	0.58	-0.20
PL	0.24	-0.23	0.56
LOP	0.42	-0.12	-0.04
LIP	0.40	-0.12	-0.28
LSL	-0.29	-0.39	0.27
LA	0.40	-0.20	-0.21
<b><i>Factor scores of observation:</i></b>			
<i>C. alexandri</i>	-2.51	-1.76	1.09
<i>C. chrysanthus</i>	-1.03	2.34	0.50
<i>C. heuffelianus</i>	4.32	-1.16	-0.94
<i>C. randjelovicorum</i>	-1.81	0.59	-1.75
<i>C. rujanensis</i>	0.83	1.61	-0.35
<i>C. variegatus</i>	1.70	0.09	2.07
<i>C. weldenii</i>	-1.51	-1.71	-0.62
<b><i>Contribution of the variables (%):</i></b>			
PH	10.35	0.30	18.54
CW	4.15	13.90	18.92
NL	4.33	20.39	7.19
LW	15.84	3.85	0.11
NF	1.89	34.09	4.01
PL	5.86	5.25	31.23
LOP	17.54	1.39	0.16
LIP	15.90	1.53	8.08
LSL	8.26	15.21	7.18
LA	15.89	4.09	4.56
<b><i>Contribution of the observations (%):</i></b>			
<i>C. alexandri</i>	17.87	19.64	11.75
<i>C. chrysanthus</i>	2.99	34.80	2.49
<i>C. heuffelianus</i>	53.13	8.47	8.75
<i>C. randjelovicorum</i>	9.34	2.20	30.04
<i>C. rujanensis</i>	1.95	16.32	1.20
<i>C. variegatus</i>	8.25	0.05	41.96
<i>C. weldenii</i>	6.47	18.51	3.80

**Table S2.** Principal Component Analysis: eigenvalues and contributions of color components of Crocus petals for the first three dimensions (F1 to F3).

<b><i>Eigenvalues:</i></b>	<b>F1</b>	<b>F2</b>	<b>F3</b>
Eigenvalue	2.53	2.17	0.21
Variability (%)	50.57	43.32	4.27
Cumulative %	50.57	93.89	98.15
<b><i>Contribution of the variables (%):</i></b>			
L*(C)	4.27	38.00	14.40
a*(C)	13.74	28.87	0.83
b*(C)	38.16	0.38	7.02
Chroma	11.72	29.47	29.42
Hue	32.10	3.28	48.33
<b><i>Contribution of the observations (%):</i></b>			
<i>C. alexandri</i> _O-o	2.30	1.72	0.01
<i>C. alexandri</i> _O-i	0.43	2.25	0.02
<i>C. alexandri</i> _I-o	0.16	7.43	0.81
<i>C. alexandri</i> _I-i	0.16	7.16	0.74
<i>C. chrysanthus</i> _O-o	16.33	4.13	0.81
<i>C. chrysanthus</i> _O-i	16.06	3.73	0.35
<i>C. chrysanthus</i> _I-o	16.27	2.98	0.36
<i>C. chrysanthus</i> _I-i	17.18	5.15	1.31
<i>C. heuffelianus</i> _O-o	5.14	11.43	0.29
<i>C. heuffelianus</i> _O-i	4.83	10.14	0.25
<i>C. heuffelianus</i> _I-o	2.94	3.29	0.81
<i>C. heuffelianus</i> _I-i	2.66	2.50	0.72
<i>C. randjeloviciorum</i> _O-o	0.12	4.19	0.05
<i>C. randjeloviciorum</i> _O-i	0.63	0.33	0.03
<i>C. randjeloviciorum</i> _I-o	0.86	0.06	0.01
<i>C. randjeloviciorum</i> _I-i	0.31	1.51	0.02
<i>C. rujanensis</i> _O-o	1.17	0.10	5.37
<i>C. rujanensis</i> _O-i	2.20	1.37	0.01
<i>C. rujanensis</i> _I-o	2.24	1.60	0.04
<i>C. rujanensis</i> _I-i	1.92	0.90	0.12
<i>C. variegatus</i> _O-o	2.52	0.27	82.85
<i>C. variegatus</i> _O-i	0.88	0.04	0.05
<i>C. variegatus</i> _I-o	0.81	0.10	0.46
<i>C. variegatus</i> _I-i	0.74	0.18	0.13
<i>C. weldenii</i> _O-o	0.30	6.72	1.01
<i>C. weldenii</i> _O-i	0.28	6.88	1.09
<i>C. weldenii</i> _I-o	0.26	7.00	1.04
<i>C. weldenii</i> _I-i	0.32	6.84	1.25