

Supplementary Materials

Table S1. Quantities of the substances 2-phenylethylalcohol, nerol, citronellol, geraniol, nonadecane and (citronellol + nerol) / geraniol detected with GC-MS in the flower petal extracts of the nine genotypes of *R. damascena* from Greece.

Genotype	2-phenylethylalcohol ($\mu\text{g/g}$)	Nerol ($\mu\text{g/g}$)	Citronellol ($\mu\text{g/g}$)	Geraniol ($\mu\text{g/g}$)	Nonadecane ($\mu\text{g/g}$)	(Citronellol + Nerol)/ Geraniol ($\mu\text{g/g}$)
KS1	1170.28 \pm 191.66* d**	27.66 \pm 8.02* c**	103.51 \pm 12.90* b**	75.80 \pm 13.50* c**	300.99 \pm 22.83* cd**	1.73
KZ1	2358.48 \pm 50+.63 ab	52.26 \pm 12.37 ab	199.63 \pm 40.70 a	134.27 \pm 27.07 ab	533.15 \pm 42.64 a	1.88
KZ2	1378.65 \pm 327.47 d	28.69 \pm 4.43 c	88.45 \pm 13.85 b	99.18 \pm 18.88 bc	278.98 \pm 28.76 cd	1.18
KS2	2257.01 \pm 482.11 ab	43.97 \pm 10.27 bc	188.39 \pm 48.71 a	124.78 \pm 30.28 ab	485.25 \pm 49.41 ab	1.86
KZ3	1680.72 \pm 365.35 cd	44.66 \pm 10.30 bc	109.73 \pm 25.18 b	130.26 \pm 28.10 ab	287.39 \pm 28.13 cd	1.19
GR1	2402.85 \pm 558.42 ab	54.99 \pm 12.98 ab	205.45 \pm 50.31 a	133.03 \pm 38.64 ab	470.25 \pm 49.81 ab	1.96
KS3	1148.35 \pm 166.29 d	27.45 \pm 2.17 c	92.97 \pm 6.69 b	69.12 \pm 6.46 c	209.27 \pm 22.68 d	1.74
KZ6	2777.19 \pm 639.02 a	64.93 \pm 8.02 a	206.59 \pm 52.26 a	170.99 \pm 60.83 a	501.82 \pm 46.54 ab	1.59
KS4	2070.29 \pm 305.15 bc	57.61 \pm 22.37 ab	163.70 \pm 27.93 a	150.85 \pm 49.78 a	389.06 \pm 39.93 bc	1.47

* Mean \pm standard deviation.

** Means with different letters within a column are statistically significantly different according to Duncan's multiple range test ($p < 0.05$, $n = 5$).

Table S2. Quantities of the substances gallic acid, quercetin and kaempferol ($\mu\text{g/g}$ of fresh petals) detected with LC-MS in the flower petal extracts of the nine genotypes of *R. damascena* from Greece.

Genotype	Gallic acid ($\mu\text{g/g}$)	Quercetin ($\mu\text{g/g}$)	Kaempferol ($\mu\text{g/g}$)
KS1	$0.29 \pm 0.03^* \text{ c}^{**}$	$0.37 \pm 0.02^* \text{ d}^{**}$	$0.31 \pm 0.02^* \text{ c}^{**}$
KZ1	$0.32 \pm 0.02 \text{ c}$	$0.53 \pm 0.02 \text{ c}$	$0.34 \pm 0.03 \text{ c}$
KZ2	$0.32 \pm 0.04 \text{ c}$	$0.50 \pm 0.10 \text{ c}$	$0.29 \pm 0.02 \text{ c}$
KS2	$0.28 \pm 0.04 \text{ c}$	$0.42 \pm 0.04 \text{ cd}$	$0.35 \pm 0.04 \text{ c}$
KZ3	$0.32 \pm 0.05 \text{ c}$	$0.49 \pm 0.02 \text{ c}$	$0.27 \pm 0.05 \text{ c}$
GR1	$0.82 \pm 0.09 \text{ a}$	$1.17 \pm 0.18 \text{ a}$	$2.13 \pm 0.20 \text{ a}$
KS3	$0.31 \pm 0.04 \text{ c}$	$0.46 \pm 0.08 \text{ c}$	$0.26 \pm 0.04 \text{ c}$
KZ6	$0.63 \pm 0.05 \text{ b}$	$0.82 \pm 0.05 \text{ b}$	$0.80 \pm 0.07 \text{ b}$
KS4	$0.30 \pm 0.03 \text{ c}$	$0.36 \pm 0.04 \text{ d}$	$0.32 \pm 0.03 \text{ c}$

* Mean \pm standard deviation.

** Means with different letters within a column are statistically significantly different according to Duncan's multiple range test ($p < 0.05$, $n=5$).