

Supplementary Materials: The Occurrence of Flavonoids and Related Compounds in Flower Sections of *Papaver nudicaule*

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Mass Spectrometry

An Esquire 3000 ion trap mass spectrometer (Bruker Daltonics, Bremen, Germany) was used to measure the mass spectra in the positive mode in the range m/z 50–1500 with skimmer voltage ± 33.9 V. Capillary exit voltage was ± 100.6 V, capillary voltage 2500 V, nebulizer pressure 35 psi, drying gas 12.0 L min^{-1} , and gas temperature 350°C .

UV/Vis Spectroscopy

A photodiode array (PDA) detector (J&M Analytik AG, Aalen, Germany) was used for acquisition of UV/Vis absorption spectra (please note that the sensitivity of the detector was relatively low above 400 nm).

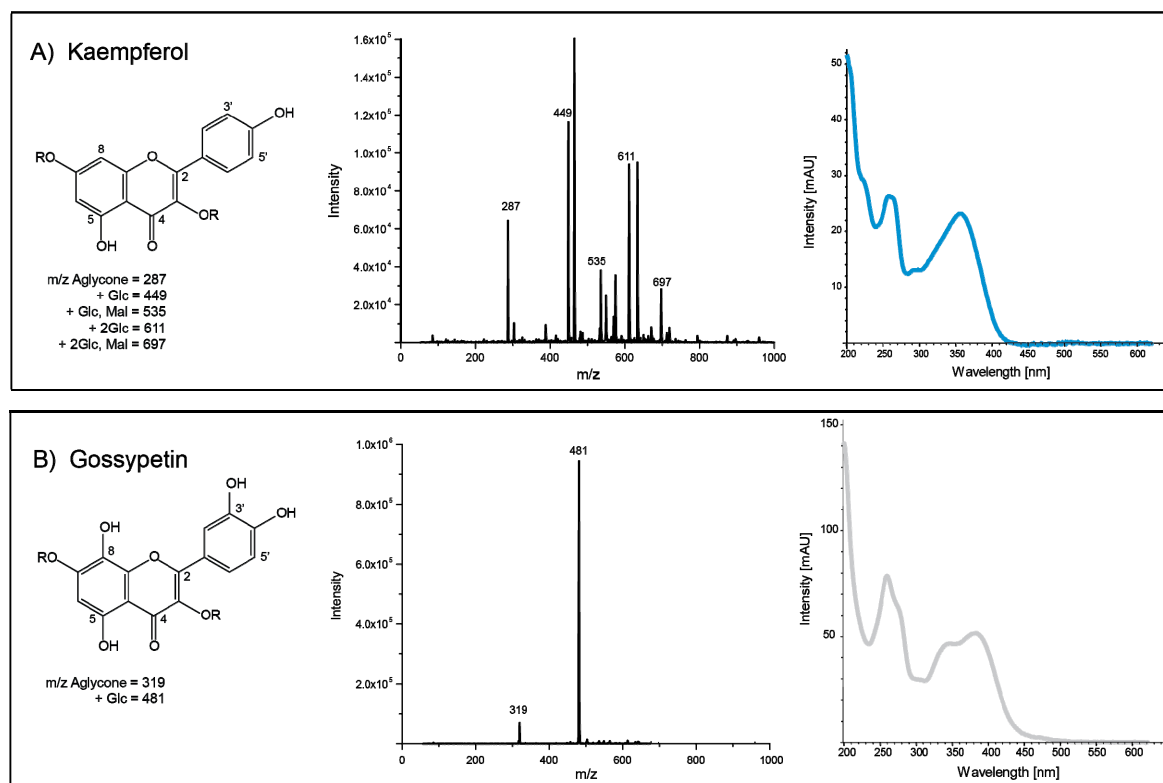


Figure S1. Cont.

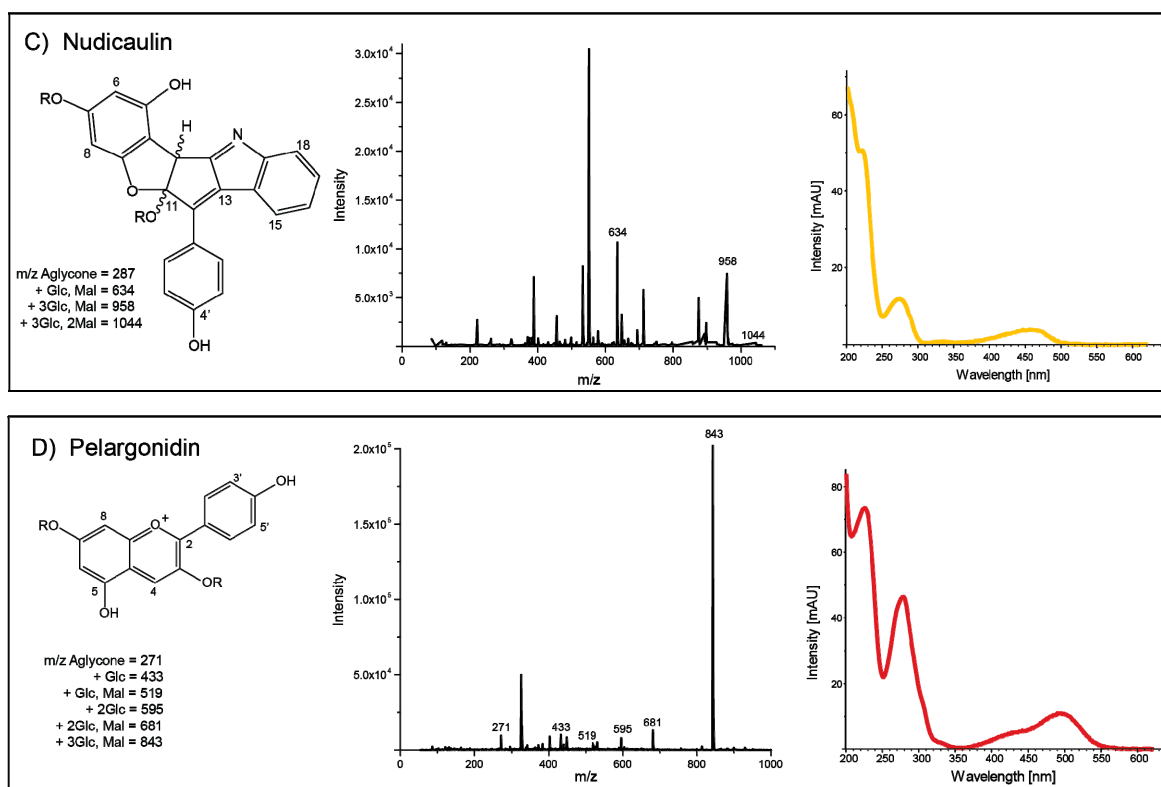


Figure S1. Structures, mass spectra and UV/Vis absorption spectra of representative glycosides of (A) kaempferol, (B) gossypetin, (C) nudicaulin, and (D) pelargonidin occurring in petals of *P. nudicaule*. Data are in agreement with previous studies [1–3]. m/z $[M+H]^+$; R indicate substitution by Glc, Glc, Glc-Mal or Glc-Mal; Glc = glycosyl; Mal = malonyl.

References

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2. Schliemann, W.; Schneider, B.; Wray, V.; Schmidt, J.; Nimtz, M.; Porzel, A.; Böhm, H. Flavonols and an indole alkaloid skeleton bearing identical acylated glycosidic groups from yellow petals of *Papaver nudicaule*. *Phytochemistry* **2006**, *67*, 191–201, doi:10.1016/j.phytochem.2005.11.002.
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