

Supplementary Materials

Integrative Study of *Dipsaci Radix* and *Phlomis Radix*: Nomenclature, Morphology, DNA-Based Authentication, and Comparative Effects on Osteoclastogenesis

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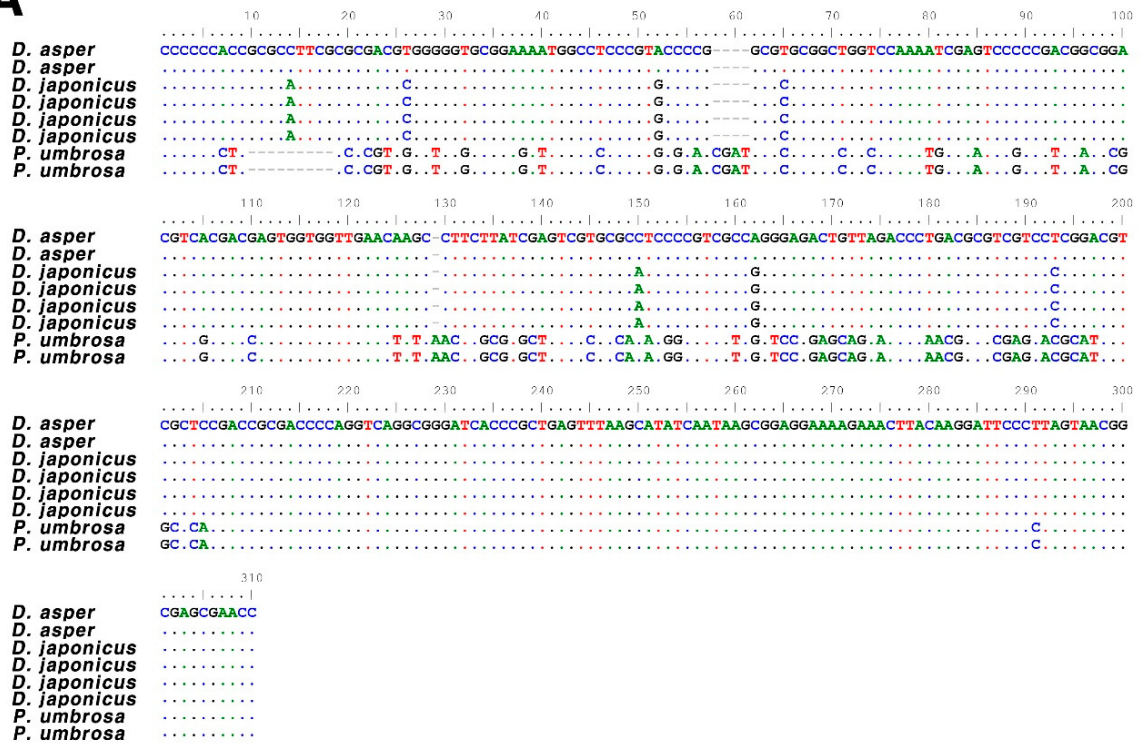
Table S1. Details of the *D. asper*, *D. japonicus*, and *P. umbrosa* samples used in the DNA barcode analysis.

No.	Species	Voucher number	Collection information	Morphological analysis	DNA analysis	Pharmacological analysis
1	<i>Dipsacus asper</i>	KIOM201201004804	Agricultural Seedling Station, Aewol-eup, Jeju-si, Jeju-do, Korea	o	o	o
2		KIOM201701018837	Goejeong-ri, Cheongju-si, Chungcheongbuk-do, Korea	o	o	
3	<i>Dipsacus japonicus</i>	KIOM201801020871	Sobaeksan Mt., Yeongju-si, Gyeongsangbuk-do, Korea	o	o	o
4		KIOM201701018778	Yeongchun-myeon, Danyang-gun, Chungcheongbuk-do, Korea	o	o	
5		KIOM201701018779	Yeongchun-myeon, Danyang-gun, Chungcheongbuk-do, Korea	o	o	
6	<i>Phlomis umbrosa</i>	KIOM201401008313	Gadeoksan Mt., Sangsami-dong, Taebaek-si, Gangwon-do, Korea	o	o	o
7		KIOM201401010021	Dundeoksan Mt., Wanjang-ri, Gaeun-eup, Mungyeong-si, Gyeongsangbuk-do, Korea	o	o	
8		KIOM201401011171	Seondalsan Mt., Ojeon-ri, Murya-myeon, Bonghwa-gun, Gyeongsangbuk-do, Korea	o	o	

Table S2. Information on the primers used in the DNA barcode analysis.

Primer name	Primer sequence (5'→3')
ITS2 F	ATGCGATACTTGGTGTGAAT
ITS2 R	GACGCTTCTCCAGACTACAAT
<i>matK</i> <i>Phlomis</i> F	TTCGTCTTTCTCCGTAACCA
<i>matK</i> <i>Phlomis</i> R	ATCCGCCCAAACCTACCTTAC
<i>matK</i> <i>Dipsacus</i> F	CAAAGAAAGCCAGTTCCCCT
<i>matK</i> <i>Dipsacus</i> R	ACGCCCAAATCGGTCAATAA

A



B

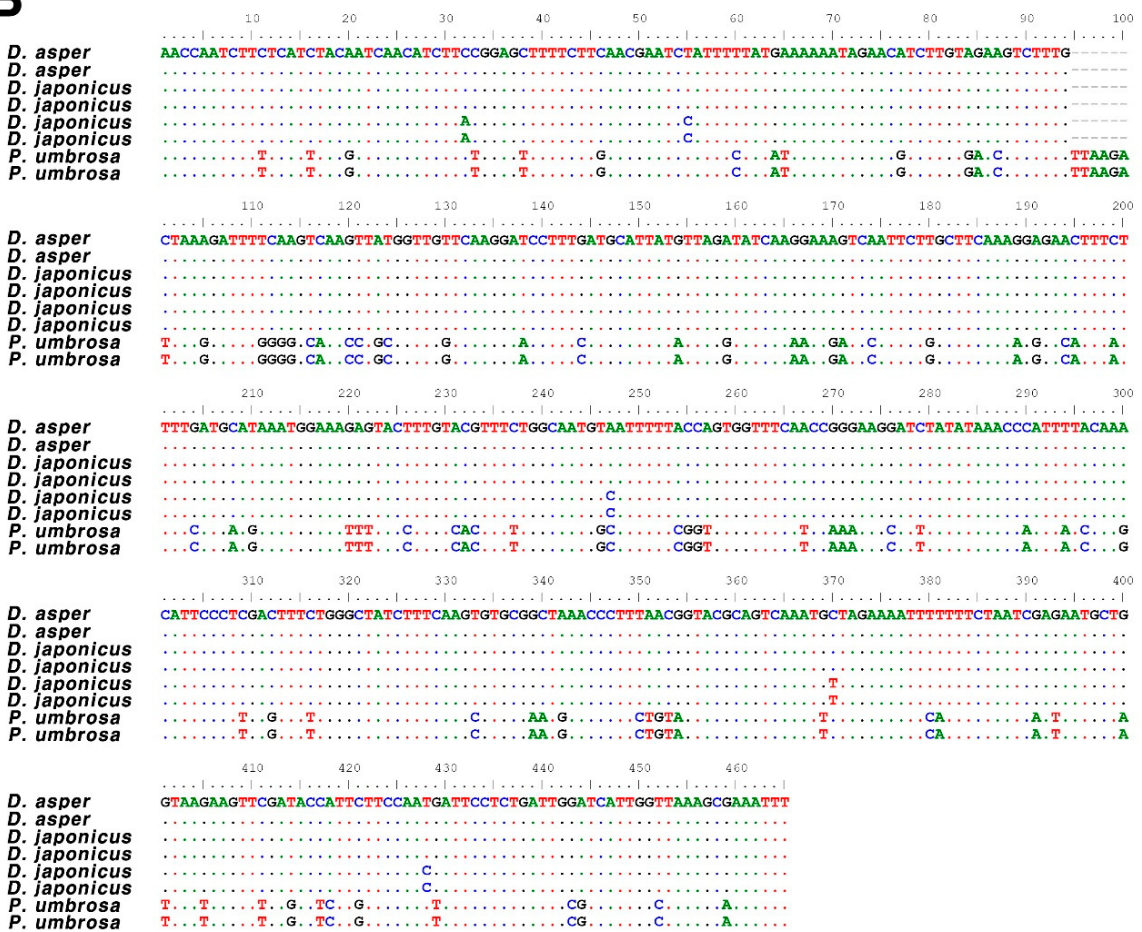


Figure S1. Sequence alignment used for DNA barcoding illustrating nucleotide differences.