



# *Anemone narcissiflora*



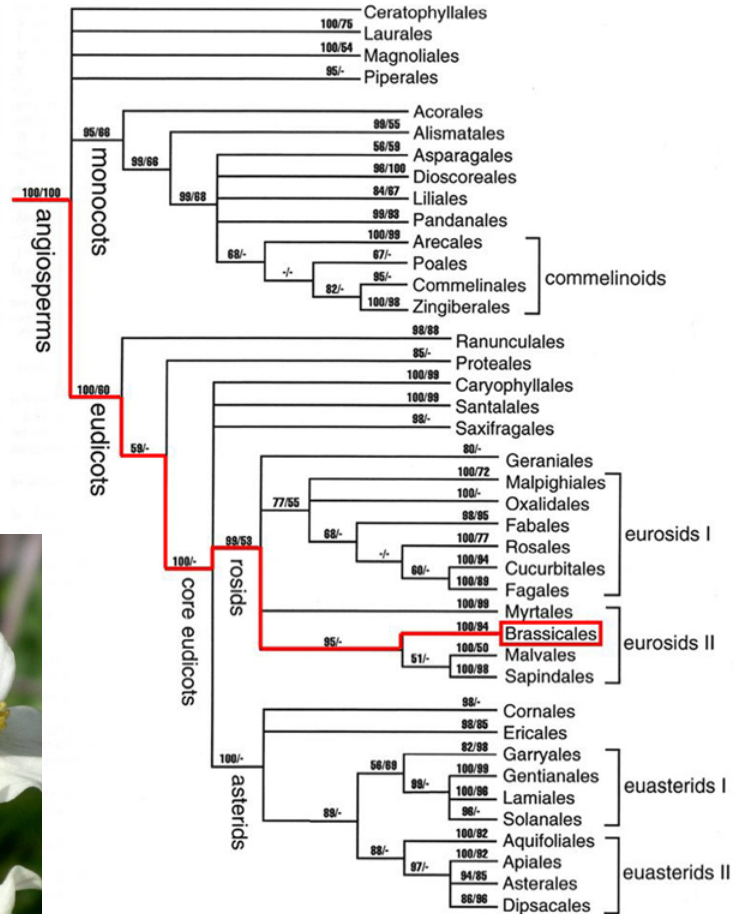
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# Taxonomy

- Family : Ranunculaceae (buttercup family)
- Other notable genera: Actaea (baneberry), Actonium (wolf's bane, monkshood), Aquilegia (columbine), Coptis (goldthread), Delphinium (larkspur), Pulsatilla (pasqueflower), Ranunculus (buttercups)
- Genus: *Anemone* (windflowers)
- Species: *narcissiflora*

# Phylogeny

- Basal eudicot
- 1700 species worldwide
- Most closely related to Papaveraceae (of families we learned about)



# Defining characteristics of Ranunculaceae

- Herbaceous
- Flowers perfect, distinct floral parts, flowers showy
- May lack petals and have tepals or just sepals, also modified petals (e.g. hoods)
- Superior ovary, fruits are achenes or follicles
- Numerous stamens and carpels
- Many species toxic to humans and animals

# How to tell if it's *Anemone*

- Is it in family Ranunculaceae? Yes
- Is its fruit an achene or Capsule? Achene
- Does it have petals w sepals or just tepals  
Tepals
- Are the styles plumose? No
- You have an *Anemone spp.*!



# How to tell if it's *narcissiflora*

- Are the achenes glabrous or villous?  
Glabrous
- Is the rootstock oblique or horizontal?  
Oblique
- You have a *A. narcissiflora*!!!



# *Anemone narcissiflora*

- Anemone- literally means daughter of the wind.
- Anem = wind
- -one = feminine patronymic suffix
- Narcissiflora- narcissus flowered
- Narkissos = plant name, associated with a plant's narcotic effects
- Narke = numbness, torpor

# Two subspecies found in Alaska

## Villosissima 1 - 18870



## Alaskana 1 - 74952





# Anemone narcissiflora ssp. villosissima

- Many flowered inflorescence
- Stem very villous
- Rootstock has a lower length to width ratio
- Up to 35 cm
- Leaves rounded



# Anemone narcissiflora ssp. alaskana

- Plant tall
- Fewer flowers
- Pentagonal leaf shape
- Forked at ends
- 3 segments
- Rootstock longer than wide



# More examples

## Villosissima 2 – 27902



## Alaskana 2 – V150936



# Key

## 1. Ranunculaceae

1. Fruit capsule

2. Fruit achene

1. Petals and Sepals

2. Tepals

1. Styles plumose

2. Styles not plumose

*Anemone*

1. Achenes villous

2. Achenes glabrous

1. Horizontal rootstock

2. Oblique rootstock

1. Very villous stem, round leaves, many flowers, rootstock length similar to width

*Anemone narcissiflora* ssp. *villosissima*

2. Less villous stem, pentagonal ternate leaves, forked at tips, longer rootstock

*Anemone narcissiflora* ssp. *alaskana*

# References

- References
- Specimens:
- Villosissima 1-
- Arctos: H1134709
- Specimen 268223 Arctos: UAM:Herb:18870
- Villosissima 2-
- Arctos: H1134930
- Specimen 201159 Arctos: UAM:Herb:27902
- Alaskana 1-
- Arctos: H1134769
- Specimen 292292 Arctos: UAM:Herb:74952
- 
- 
- Alaskana 2 –
- Arctos: H1134697
- ALA : V150936
- 
- Other ALAs:
- 70975
- 81369
- 310651
- V082144
- 
- Websites:
- [Wikipedia.org](http://Wikipedia.org)
- 
- Books:
- Hulten, Eric. Flora of Alaska and Neighboring Territories. Stanford University Press 1968





# Questions?

