

Species Datasheet

Datasheet No. A-403.056.001
(family.genus.species)

DBT- 1

1. Taxon:

Species: *Tussilago farfara* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cineraria farfara* Bernh., *Farfararadiata* Gilib., *Tussilago alpestris* Hegetschw., *Tumbertina* Borbas

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Tussilago* L.
- Species: *T. farfara* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Tussilago* L.
Species: *T. farfara* L.

4. Distribution:

Global: Canada, China, India, Nepal, Pakistan, Russian Federation, USA

India: Western Himalaya

5. Indigenous/Exotic/Endemic; Cultivated/Wild:

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb.

8. Life Form: Chamaephytes

9. Economic Importance: Medicinal value

10. Probable Progenitor of:

11. DNA

C-value

Methodology

1C(2.3pg) ¹Flow cytometer

1C(1.66pg) ²Flow cytometer

1C(2.45pg) ³Flow cytometer

12. Basic chromosome number(s): $x=8^4$

13. Zygotic chromosome number(s): $2n=24^4$, $2n=60^{5-15}$, $2n=72^{16}$

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis $3\text{III}+6\text{II}+3\text{I}/2\text{III}+6\text{II}+6\text{I}/1\text{III}+9\text{II}+3\text{I}^4$

Image file

27. Chromosome distribution at anaphase I: $10:14/9:15/11:13^4$

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc.):