

1. Genus: *Tussilago* L.

2. 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.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: CompositaeGiseke
Genus: *Tussilago* L.

3. Species:

Global: 1

India: 1

4. Taxonomic riddles:

5. Distribution:

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

India: Western Himalaya

6. Habit and Habitat:Herb.

7. Economic Importance:Medicinal value

8. DNA content range:

Methodology

1C(1.66 -2.45pg) ^{1,2,3} Flow cytometer

9. Basic chromosome number(s):x=8⁴

10. Zygotic chromosome number(s):2n=24⁴, 2n= 60⁵⁻¹⁵,2n=72¹⁶

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ chromosomes):

13. Ploidy level:

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

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

16. Karyograms: **Meiosis:**⁴

17. Banding pattern(s):

18. Physical mapping of chromosomes: **GISH:**

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: