

Species Datasheet

Datasheet No. A-416.052.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Vicatia coniifolia* Wall. ex DC.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Chaerophyllum gracillimum* Klotzsch, *C. nuristanicum* Rech.f. & Riedl, *Conium nepalense* D.Dietr., *Ligusticum meoides* Jacquem. ex C.B.Clarke, *Sphallerocarpus coniifolius* (DC.) Koso-Pol.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Vicatia* DC.
- Species: *V. coniifolia* Wall. ex DC.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Vicatia* DC.
- Species: *V. aconiifolia* Wall. ex DC.

4. Distribution:

Global: India, Afghanistan, China, Pakistan, Tadzhikistan

India: Himalaya, from Arunachal Pradesh to Kashmir

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb; Sparse alpine scrub, alpine meadows, grassy slopes, grassy stream banks

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22^{3,4}$; $2n=44^5$

14. Gametic chromosome number(s): $n=11^3$; $n=22^5$

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

Image file

16. Ploidy level: Diploid³; tetraploid⁵

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

Image file

27. Chromosome distribution at anaphase I: PMC with 22:22 distribution of chromosomes at poles⁵

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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