

Species Datasheet

Datasheet No. A-416.046.001
(family.genus.species)

D

1. Taxon:

Species: *Tordyliopsis brunonis* DC.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Heracleum brunonis* (DC.) C.B. Clarke

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Tordyliopsis* DC.
- Species: *T. brunonis* DC.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Tordyliopsis* DC.
- Species: *T. brunonis* DC.

4. Distribution:

Global: India, Nepal

India: Himalaya

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

6. Threat Status:

IUCN
BSI

7. Habit and Habitat: Herb

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): $2n=22^1$

14. Gametic chromosome number(s): $n=11^2$

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

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16. Ploidy level: Diploid²; triploid²

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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: 11 bivalents in diploid cytotype², in triploid cytotype, 13 bivalents and 7 univalents in 37.08 % PMCs followed by 14 bivalents with 5 univalents in 33.71 % PMCs were recorded²

Image file

27. Chromosome distribution at anaphase I: Regular in diploid cytotype and irregular distribution of chromosomes at poles along with lagard formation in triploid cytotype²

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc): Pollen fertility – 44% to 100%²