

Genus Datasheet

Datasheet No. A-416.028
(Family.Genus)

DBT- Network Programme

1. Genus: *Osmorhiza* Raf.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Osmorhiza* Raf.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Osmorhiza* Raf.

3. Species:

Global: 14

India: 2

4. Taxonomic riddles:

5. Distribution:

Global: Alabama, Aleutian Island, Altay, Argentina Northeast, Argentina Northwest, Argentina South, Bolivia, California, Chile Central, Chile South, Colombia, Colorado, Guatemala, India, Illinois, Japan, Kazakhstan, Kentucky, Khabarovsk, Korea, Kuril Island, Mexico, Peru, Primorye, Sakhalin, Tennessee, Texas, Vermont, West Siberia

India: Himalaya

6. Habit and Habitat: Herb

7. Economic Importance:

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=22^{1,2,3}$

11. Gametic chromosome number(s):

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

13. Ploidy level:

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

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

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship atChromosomal; DNAlevel: DNA level⁴

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 2/2