

Species Datasheet

Datasheet No. A-416.028.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Osmorhiza aristata* (Thunb.) Rydb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Chaerophyllum aristatum* Thunb., *Myrrhis aristata* (Thunb.) Spreng., *Osmorhiza amurensis* F.Schmidt, *O. japonica* Siebold & Zucc., *O. laxa* Royle, *O. montana* (Makino) Makino, *Scandix amurensis* (F.Schmidt) Koso-Pol., *S. aristata* (Thunb.) Koso-Pol., *Uraspermum aristatum* (Thunb.) Kuntze, *U. aristatum* var. *subintegrifolium* Kuntze, *Washingtonia laxa* (Royle) 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: *Osmorhiza* Raf.
- Species: *O. aristata* (Thunb.) Rydb.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Osmorhiza* Raf.
- Species: *O. aristata* (Thunb.) Rydb.

4. Distribution:

Global: Altay, Japan, Kazakhstan, Khabarovsk, Korea, Kuril Island, Primorye, Sakhalin, India, West Siberia

India: Arunachal Pradesh, Himachal Pradesh, Jammu and Kashmir, Punjab, Uttar Pradesh

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):

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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