

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-416.018
(Family.Genus)

DBT- Network Programme

1. Genus:*Daucus* L.

2. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

3. Species:

Global: 45

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Afghanistan, Alabama, Albania, Algeria, Argentina Northeast, Argentina Northwest, Argentina South, Austria, Azores, Balears, Baltic States, Belarus, Belgium, Bolivia, Brazil South, Brazil Southeast, British Columbia, Bulgaria, Burundi, California, Cameroon, Canary Island, Cape Provinces, Cape Verde, Central European Rus, Chatham Island, Chile, China, Colombia, Corse, Cyprus, Czechoslovakia, Denmark, East Aegean Island, East European Russia, Ecuador, Egypt, El Salvador, Eritrea, Ethiopia, Florida, France, Germany, Great Britain, Greece, Guatemala, Gulf of Guinea Island, Gulf States, Honduras, Hungary, Illinois, Iran, Iraq, Ireland, Italy, Kazakhstan, Kenya, Kirgizstan, Kriti, Krym, KwaZulu-Natal, Lebanon-Syria, Lesotho, Libya, Madagascar, Madeira, Malawi, Mexican Pacific Island, Mexico Central, Mexico Gulf, Mexico Northeast, Mexico Northwest, Mexico Southeast, Mexico Southwest, Morocco, Mozambique, Nepal, Netherlands, New Mexico, New South Wales, New Zealand North, New Zealand South, North Carolina, Northern Territory, Northwest European R, Norway, Pakistan, Palestine, Peru, Poland, Portugal, Queensland, Romania, Rwanda, Sardegna, Selvagens, Sicilia, Sinai, South Australia, South Carolina, South European Russia, Spain, Sudan, Sweden, Switzerland, Tadzhikistan, Tanzania, Tasmania, Tennessee, Texas, Transcaucasus, Tunisia, Turkey, Turkey-in-Europe, Turkmenistan, Uganda, Ukraine, Uruguay, Uzbekistan, Venezuela, Victoria, Virginia, Western Australia, Western Sahara, Yemen, Yugoslavia, Zaïre, Zimbabwe

India: Cultivated

6. Habit and Habitat: Herb; cultivated.

7. Economic Importance: Used as food.

8. DNA content range:

2C (0.940 ± 0.013pg)¹

Methodology

Flow cytometry¹

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):2n=18^{2,3,4,5,6}

11. Gametic chromosome number(s):n=9^{6,7}

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:⁵Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level¹⁰

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information:Total number of species with reports = 1/1