

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-416.010
(Family.Genus)

DBT- Network Programme

1. Genus: *Carum* L.

2. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

3. Species:

Global: 21

India: 2

4. Taxonomic riddles:

5. Distribution:

Global: Afghanistan, Albania, Altay, Amur, Austria, Baltic States, Bangladesh, Belgium, Bulgaria, Buryatiya, China, Chita, Czechoslovakia, Denmark, East Aegean Island, East European Russia, East Himalaya, Finland, France, Germany, Greece, Hungary, India, Inner Mongolia, Iran, Iraq, Irkutsk, Italy, Kamchatka, Kazakhstan, Khabarovsk, Kirgizstan, Krasnoyarsk, Krym, Kuril Island, Lebanon-Syria, Manchuria, Mongolia, Morocco, Nepal, Netherlands, North Caucasus, Norway, Pakistan, Poland, Primorye, Qinghai, Romania, Sakhalin, South European Russia, Spain, Sweden, Switzerland, Tadzhikistan, Tibet, Transcaucasus, Turkey, Turkmenistan, Tuva, Ukraine, Uzbekistan, West Himalaya, West Siberia, Xinjiang, Yakutskiya, Yugoslavia, Algeria, Colorado, Føroyar, Great Britain, Iceland, Illinois, Ireland, Kentucky, Libya, New Mexico, Nunavut, South Georgia, Svalbard, Tunisia, Vermont

India: Himalaya, Upper Gangetic plains, Orissa

6. Habit and Habitat: Herb

7. Economic Importance:

8. DNA content range:

4C (19.051±0.005 pg)¹

Methodology

Feulgen cytophotometry¹

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): 2n=20^{1,2,3,4,5,6,7}; 2n=22⁸

11. Gametic chromosome number(s): $n=10^{9,10,11}$; $n=11^{11,12}$

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 at Chromosomal; DNA level: DNA level¹⁴

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 1/2