Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-416.012.002 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species:*Chaerophyllumvillosum* Wall. ex DC.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Anthriscus boissieui* H.Lév., *Chaerophyllum reflexum* Lindl.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus:*Chaerophyllum* L.
- Species:*C.villosum* Wall. ex DC.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo:Umbelliferae Juss.
- Genus:*Chaerophyllum*L.
- Species:*C. villosum* Wall. ex DC.

4. Distribution:

Global: Afghanistan, China, India, Nepal, Pakistan, Tibet

India: Himalaya, North East India

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb;moist shady places

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[1,2,3]

14. Gametic chromosome number(s):n= 11[1,3,4,5]

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

Image file

16. Ploidy level: Diploid[3]

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 11 bivalents[3]

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;Translocations etc): Pollen fertility – (63.97% to 69.14%)[3]