

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.009.009
(family.genus.species)

DBT- I

1.Taxon:

Species: *Goniothalamus sesquipedalis* (Wall.) Hook.f. & Thomson
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Guatteria macrophylla* A.DC., *Guatteria sesquipedalis* Wall.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Goniothalamus* (Blume) Hook.f. & Thomson
- Species: *G. sesquipedalis* (Wall.) Hook.f. & Thomson

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Goniothalamus* (Blume) Hook.f. & Thomson
- Species: *G. sesquipedalis* (Wall.) Hook.f. & Thomson

4.Distribution:

Global: Bangladesh, Bhutan, India, Myanmar

India: Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Sikkim, Tripura, West Bengal

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

6.Threat Status:

IUCN: Not evaluated

BSI

7.Habit and Habitat:Shrub or undershrub; subtropical evergreen forests, altitude of about 400-1200 m

8.Life Form:Phanerophytes

9.Economic Importance:Used in folk medicine. Dry leaves are burnt as incense in Manipur

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

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; Translocations etc):