Species Datasheet

Datasheet No. A-028.017.001 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species *Remusatia hookeriana* Schott
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Gonatanthus ornatus* Schott, *Remusatia ornata* (Schott) H.Li & Q.F.Guo

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Remusatia* Schott
- Species: *R. hookeriana* Schott

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Remusatia* Schott
Species: *R. hookeriana* Schott

4. Distribution:

Global: Himalaya to China (Yunnan)

India: Temperate Himalaya, North East India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herbs, evergreen forests, on mossy rocks or tree stumps.

8. Life Form: Tuberous geophytes

9. Economic Importance: Medicinal

10. Probable Progenitor of:

11. DNA

C- value **Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n=28 [1,2,3,4,5,6]
2n=30 [16]

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid [4]

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: Majority metacentric chromosomes [4,6]

Chromosome size:

NOR chromosome(s) 4 NOR [6], 8 NOR [4]

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):