

Datasheet No. A-061.083
(Family:Genus)

DBT- Network Programme

1. Genus:*Renanthera* Lour.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Renanthera* Lour.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeae
Subtribus: Sarcantheae
Genus: *Renanthera* Lour.

3. Species:

Global: 22

India:1

4. Taxonomic riddles: 2, 14

5. Distribution:

Global: Bismarck Archipelago, Borneo, Cambodia, China South-Central, China Southeast, India, Hainan, Jawa, Laos, Malaya, Maluku, Myanmar, New Guinea, Philippines, Solomon Is., Sulawesi, Sumatera, Thailand, Vietnam

India: Arunachal Pradesh, Manipur, Mizoram, Nagaland

6. Habit and Habitat:Epiphytic herb

7.Economic Importance:Ornamental, medicinal

8. DNA content range:

Methodology

9. Basic chromosome number(s):x=19^{1, 5, 6,7, 8, 9, 10, 11, 12, 13}

10. Zygotic chromosome number(s): $2n=38$ ^{1, 5, 6, 7, 10, 11, 13} , 114 ^{4, 6} , c. 114 ³

11. Gametic chromosome number(s): $n=19$ ^{1, 7, 8, 9, 12} , 57 ⁴

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level Diploid^{1, 5, 6, 7, 8, 9, 10, 11, 12, 13} ,

Hexaploid^{3, 4, 6}

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:^{4, 8, 9, 12}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:^{2, 14}

22. Any other information: