

1. Genus:*Rhynchosyilis*Blume

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: OrchidaceaeJuss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Rhynchosyilis* Blume

Bentham and Hooker

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeae
Subtribus: Sarcantheae
Genus: *Rhynchosyilis* Blume

3. Species:

Global: 5

India:2

4. Taxonomic riddles: 3, 23

5. Distribution:

Global: Bangladesh, Borneo, Cambodia, China South-Central, East Himalaya, Hainan, India, Jawa, Laos, Malaya, Myanmar, Nepal, Nicobar Is., Philippines, Sri Lanka, Sumatera, Thailand, Vietnam

India:Almost throughout India

6. Habit and Habitat:Epiphytic, grows mostly on mango trees

7.Economic Importance:Ornamental, medicinal

8. DNA content range:

2C (5.15 pg)¹¹

Methodology

Feulgen microdensitometry¹¹

9. Basic chromosome number(s):x=19^{1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22}

10. Zygotic chromosome number(s): $2n=38$ ^{1, 2, 4, 5, 6, 7, 9, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22}

11. Gametic chromosome number(s): $n=19$ ^{1, 7, 8, 10, 15, 17}

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

13. Ploidy level: Diploid^{1, 2, 5, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22}

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

16. Karyograms: ^{4, 7, 8, 13}

Meiosis: ^{4, 7, 8}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at: Chromosomal; DNA level^{3, 23}

22. Any other information: