Genus Datasheet

Datasheet No. A-061.072 **DBT- Network Programme**
(Family.Genus)

1. Genus:*Pinalia*Lindl.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angisperms
- Clade: Monocots
- Order: Asparagales Link
- Family: OrchidaceaeJuss.
- Subfamily: Epidendroideae
- Tribe: Podochileae
- Genus: *Pinalia*Lindl.

3. Species:

Global: 179

India: 14

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, China South-Central, China Southeast, East Himalaya, Hainan, India, Japan, Jawa, Laos, Lesser Sunda Is., Malaya, Maluku, Myanmar, Nansei-shoto, Nepal, New Guinea, Nicobar Is., Philippines, Queensland, Samoa, Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, Vietnam, West Himalaya

India: Assam,Mizoram, Karnataka, Kerala, Maharashtra, Tamil Nadu, Arunachal Pradesh, Sikkim, West Bengal, Andaman & Nicobar Islands, Manipur, Nagaland

6. Habit and Habitat: Epiphytic herb

7.Economic Importance: Cultivated ornamental

8. DNA content range: **Methodology**

9. Basic chromosome number(s):x=18[11],19 [1, 2,4, 5, 6, 7, 8, 9, 10, 11, 20, 21] ,20[12,13, 14, 15, 16, 17, 18, 19, 23]

10. Zygotic chromosome number(s):2n=34[12] ,36[3], 40[13, 23] ,

38 [1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 20, 21] , 40 [19]

11. Gametic chromosome number(s):n=18[11],17-19[14] , 19[1] , 20[12, 13, 14, 15, 16, 17, 18] ,

19,20, 22-26[14, 16] ,20+2B[22]

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

13. Ploidy level Diploid [1,2, 4, 5, 6, 7, 8, 9, 10,11, 12,13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23]

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):[14, 16]

16. Karyograms:[5]

Meiosis:[11, 14, 16]

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: