

Genus Datasheet

Datasheet No. A-061.114
(Family.Genus)

DBT- Network Programme

1. Genus: *Papilionanthe*

Bentham and Hooker

Kingdom:

Division:

Order:

Class:

Subclass:

Order:

Family:

Subfamily:

Genus:

2. Systematic Position:

APG IV

- Kingdom:
- Clade:
- Clade:
- Clade:
- Order:
- Family:
- Subfamily:
- Genus:

3. Species:

Global: 11 (accepted)

India:.

4. Taxonomic riddles: ¹⁷

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=19$ ^{1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16} , ²⁰ ^{4, 5}

10. Zygotic chromosome number(s): $2n=38$ ^{1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16} ,

^{35, 38} ⁸ , ⁴⁰ ^{4, 5}

11. Gametic chromosome number(s): $n=19$ ^{6, 9, 10}

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

13. Ploidy level Diploid ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}

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

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

16. Karyograms: ^{7, 10}

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ¹⁷

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: