# Genus Datasheet

**Datasheet No. P-001.004** **DBT- Network Programme**
(Family.Genus)

**1. Genus:***Lycopodium* L.

**2. Systematic Position:**

**Christenhusz 2011**

- Class: EquisetopsidaC.Agardh
- Succlass: LycopodiidaeBek.
- Order: LycopodialesDC.exBercht& J. Presl
- Family: LycopodiaceaeP.Beauv. & J. Presl
- Subfamily:
- Genus: *Lycopodium*L.

**3. Species:**

**Global:** Accepted (70), unassessed (69)

**India:**.

**4. Taxonomic riddles:**[16]

**5. Distribution:**

**Global:**

**India:**

**6. Habit and Habitat:**

**7.Economic Importance:**

| **8. DNA content range:** | **Methodology** |
| --- | --- |
| 2C (5.71-5.72 pg)[1, 3] | Flow cytometry[1, 3] |

**9. Basic chromosome number(s):**x=17, 34[2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]

**10. Zygotic chromosome number(s):**2n=68[4, 5, 12, 13, 14] ,

102[12, 14] ,

136[2, 12, 14]

**11. Gametic chromosome number(s):**n=34[6, 8, 9, 10, 11, 12, 15] ,

68 [2] ,

136 [7] ,

170[2]

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

**13. Ploidylevel:**Diploid (sexual) [4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15] ,

Triploid [12, 14],

Tetraploid(sexual) [2, 12, 14] ,

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

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

**16. Karyograms:**

**Meiosis:**2, 6, 7, 8, 9, 10, 11, 12, 14

**17. Banding pattern(s):**

bands[121]

**18. Physical mapping of chromosomes:**

**GISH:**

**19.Phylogenetic relationship atChromosomal; DNAlevel:** [16]

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:**