

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-097.002.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Luzula oligantha* Sam.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Luzula campestris* var. *pauciflora* Buchenau, *L. oligantha* f. *atrata* Satake, *L. sudetica* var. *microstachya* Satake, *L. sudetica* var. *pauciflora* (Buchenau) Nakai

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Poales Small
- Family: Juncaceae Juss.
- Genus:*Luzula* DC.
- Species: *L. oligantha* Sam.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Calycineae
- Ordo: Juncaceae Juss.
- Genus:*Luzula* DC.
- Species:*L. oligantha* Sam.

4. Distribution:

Global: China, India, Japan, Kamchatka, Korea, Kuril Is., Magadan, Manchuria, Primorye, Sakhalin, Nepal

India: Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, West Bengal

5. **Indigenous/Exotic/Endemic; Cultivated/Wild:**Indigenous

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:**Herb; grows on forested slopes, disturbed meadows

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=36^{21}$

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocationsetc):