

Species Data Sheet

Datasheet No. A-098.016.024
(family.genus.species)

DBT- Network Programme

1. Taxon: *Kobresia* Wild

Species: *Kobresia royleana* (Nees) Boeck. (*Accepted Name*)

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Kobresia stenocarpa* var. *royleana* (Nees) C.B. Clarke, *Trilepis royleana* Nees

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Kobresia* Wild
- Species: *Kobresia royleana*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Kobresia* Wild
Species: *Kobresia royleana*

4. Distribution:

Global: Asia and North America, with many species native to the Himalayas.

India: Northwest India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb

8. Life Form: Annual

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology:

12. Basic chromosome number(s): $x=8^2$

13. Zygotic chromosome number(s): $2n=80^{1,2}$

14. Gametic chromosome number(s): $n=40^{1,2}$

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

Image file

16. Ploidy level: Decaploid²

Image file

17. Agametoploidy:

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

19. Genomic formula:

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

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: $40\Pi^2$

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; Translocation etc):