

Species Datasheet

Datasheet No. A-140.002.011
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Vignahainiana* Babu, Gopin. & S.K. Sharma

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file:

2. Synonyms: *Phaseolus calcaratus* Haines, *P. mungo* var. *wightianus* Baker, *P. sublobatus*

Duthie, *P. wightii* Wight & Arn.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Vigna* Savi
- Species: *V. hainiana* Babu,
Gopin. & S. K. Sharma

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Vigna* Savi
Species: *V. hainiana* Babu, Gopin. & S. K. Sharma

4. Distribution:

Global: India

India: Assam, Bihar, Chhattisgarh, Himachal Pradesh, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Twinning herb; terrestrial

8. Life Form: Therophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s): $x=11^2$

13. Zygotic chromosome number(s): $2n=22^{2,5}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid ^{2,5}

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:²

Karyotype Metacentric / Submetacentric chromosomes

Chromosome size Small

NOR chromosome(s)

Degree of asymmetry Symmetrical

Image file

22. Banding pattern(s):CMA/DAPI banding⁵

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

DNA level

29. Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc.):