

# Species Datasheet

Datasheet No. A-140.002.026  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Vignasubramaniana* (Babu ex Raizada) M. Sharma

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file:

2. Synonyms: *Phaseolus subramanianus* Babu ex Raizada

## 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. subramaniana*  
(Babu ex Raizada) M. 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. subramaniana*  
(Babu ex Raizada) M. Sharma

## 4. Distribution:

Global: India

India: Himachal Pradesh, Kerala, Punjab

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

## 6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Twining herb

8. Life Form: Therophytes

9. Economic Importance:

10. Probable Progenitor of:

## 11. DNA

C-value

Methodology

12. Basic chromosome number(s):  $x=11$ <sup>25</sup>

13. Zygotic chromosome number(s):  $2n=22$ <sup>25</sup>

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid<sup>25</sup>

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:<sup>25</sup>

**Karyotype** Metacentric / Submetacentric chromosomes

**Chromosome size** Small

**NOR chromosome(s)**

**Degree of asymmetry** Symmetrical

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**

**DNA level**

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