

# Species Datasheet

Datasheet No. A-140.002.024  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Vignasahyadriana* Aitawade, K. V. Bhat & S. R. Yadav

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file:

## 2. Synonyms:

## 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. sahyadriana* Aitawade,  
K. V. Bhat & S. R. Yadav

### 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. sahyadriana* Aitawade,  
K. V. Bhat & S. R. Yadav

## 4. Distribution:

**Global:** India

**India:** Northern Western Ghats

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Twinning herb, it is found in hilly tracts with open shrubby vegetation

**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.):**