

## Accepted Manuscript

Title: Simultaneous resistance against the two viruses causing rice tungro disease using RNA interference

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**Highlights**

- Rice tungro disease is caused by the joint infection of RTBV and RTSV
- Intron hairpin constructs were developed simultaneously against both viruses
- Transgenic rice having above constructs accumulated siRNAs against both viruses
- RTBV and RTSV levels decreased 100- to 500-fold in transgenic rice
- Transgenic rice plants showed significant mitigation of tungro symptoms

**Summary**

Rice tungro is the most important viral disease affecting rice in South and Southeast Asia, caused by two viruses rice tungro bacilliform virus (RTBV) and rice tungro spherical virus

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