

PureExtro™

- ***Solution* to concern about use of antibiotic resistant genes in food and feed.**
 - For dicots and monocots
 - Vector carrying two different T-DNAs.

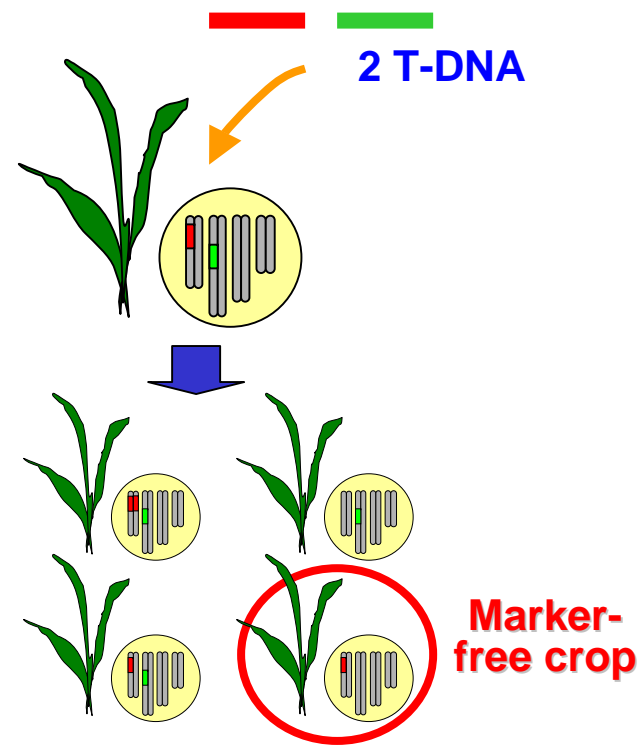
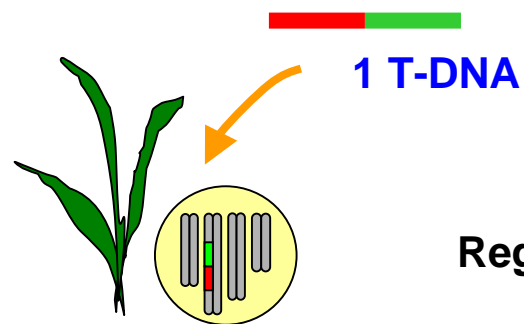
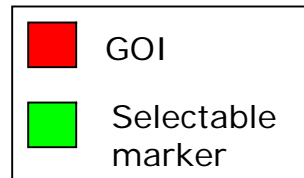
***PureExtro™* provides a significant number of marker-free crops.**

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■ Principle

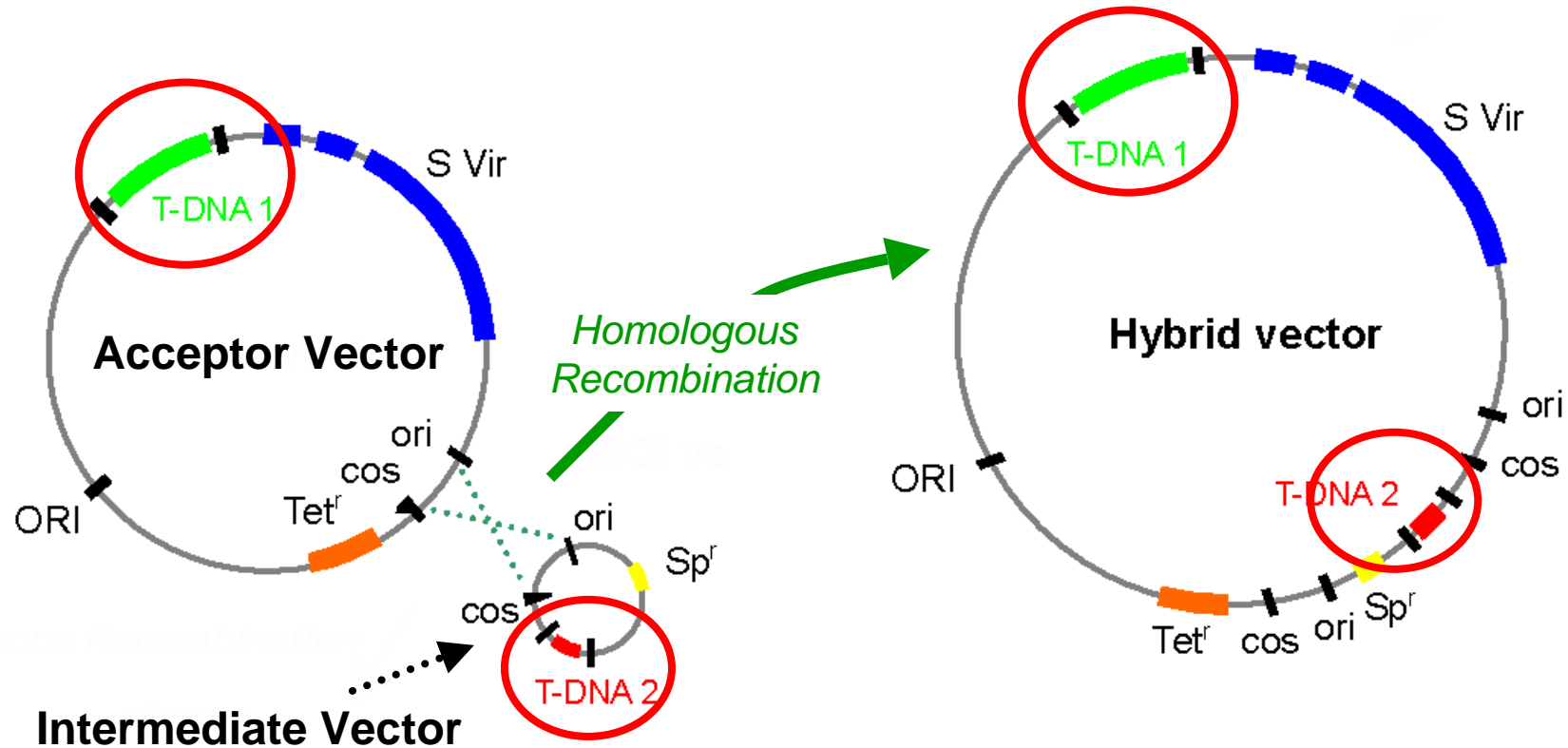
Normal transformation

Co-transformation

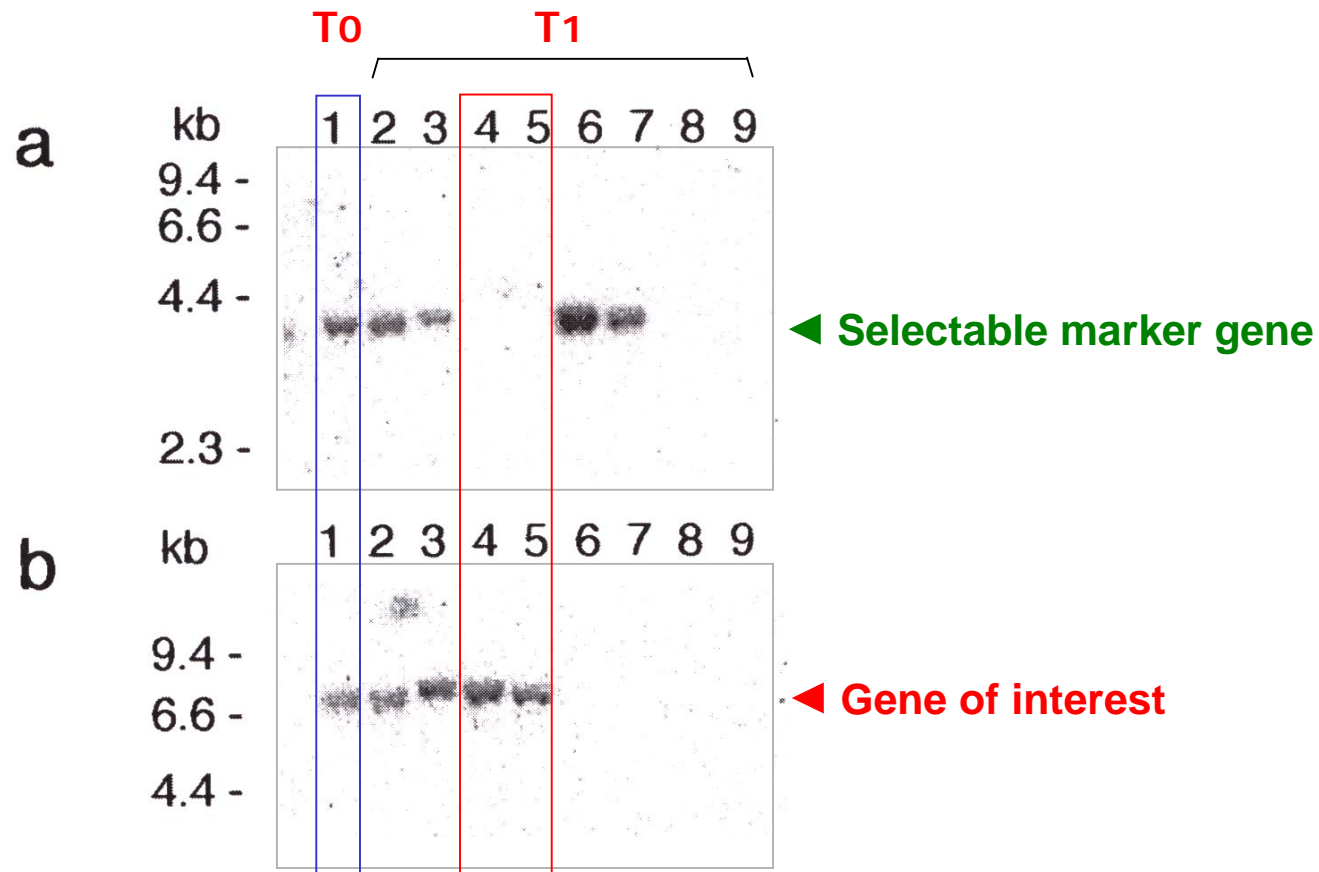


■ Vector System

- Two different T-DNAs in one vector



■ Southern analysis of transgenic rice



PureExtro™

■ Publications

■ Articles

- Komari T., Hiei Y., Saito Y., Murai N. and Kumashiro T.
 - Vectors carrying two separate T-DNAs for co-transformation of higher plants mediated by *Agrobacterium tumefaciens* and segregation of transformants free from selection markers. *Plant J* **10**: 165-74 (1996)
- Ishida, Y., Murai, N., Kuraya, Y., Ohta, S., Saito, H., Hiei, Y., and Komari, T.
 - Improved co-transformation of maize with vectors carrying two separate T-DNAs mediated by *Agrobacterium tumefaciens*. *Plant Biotechnology* **21**, 57-63 (2004).

■ Patents

- Method of Transforming Plant and Vector.
[WO 95/16031](#)