

***Lotus japonicus* genetic and genomic resources in Japan**

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Japanese trefoil (*Lotus japonicus*) is a wild perennial plant with a small genome and a short life cycle. This plant is expected to play a role as the model organism of leguminous plants, which include important crop plants such as soybean (*Glycine max*). Legume Base, a resource center for *L. japonicus* and *G. max*, was established in April 2004. The scope of Legume Base is the collection, development and conservation of the genetic resources of *L. japonicus* and *G. max* and the distribution of the material for utilization by the research community. DNA resources including genomic DNA clones will be also available through Legume Base web site (<http://www.legumebase.agr.miyazaki-u.ac.jp>). Legume Base is supported by the National BioResource Project (NBRP) of Japan. The core facility of Legume Base is Miyazaki University and the sub facility is Hokkaido University. Some parts of the distribution work is carried out by the following facilities on commission: Nihon University, RIKEN Yokohama Institute and Saga University. The resources listed below in **BOLD** are now available.

Lotus japonicus

1. **Experimental lines** (Miyakojima MG-20, Gifu B-129, L. burttii B-303)
2. **Wild accession lines** (collected throughout Japan)
3. **LjMG RI lines** (RI lines between Miyakojima MG-20 and Gifu B-129)
4. Activation tag lines
5. **EMS mutants**
6. **Root culture system** (Super Roots isolated from *L. corniculatus*)
7. **DNA resource** (TAC, BAC, cDNA)

Glycine max

1. Cultivated accession lines
2. **Wild accession lines** (collected throughout Japan)
3. **RI lines** (RI lines between Misuzudaizu and Moshidou Gong 503)
4. **RI lines** (RI lines between Tokei 780 and Hidaka 4)
5. **X-ray Mutants** (Fatty acid composition)

Legume Base URL; <http://www.legumebase.agr.miyazaki-u.ac.jp>

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