

# User's Guide for Plant Resources RIKEN BRC

(May 2011)



RIKEN Arabidopsis transposon-tagged mutant : pst14696 (Ds12-5192-1)



## Experimental Plant Division RIKEN BioResource Center

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# 1. Project Summary

RIKEN BioResource Center collects, preserves and distributes biological materials from model organisms to promote the life sciences. Since 2002, we have provided Arabidopsis mutants/natural accessions and plant cultured cell/DNA resources to the international plant research community.

## 2. Resources

### 2-1. Arabidopsis Seeds

- (1) Natural accessions and mutant lines deposited from The SENDAI Arabidopsis Seed Stock Center (SASSC): 1,231 lines.
- (2) RIKEN Arabidopsis transposon-tagged mutant (RATM) lines developed by RIKEN GSC: 15,267 lines. Homozygous seeds are available for 2,720 lines.
- (3) RIKEN Arabidopsis activation-tagged lines developed by RIKEN: 36,650 lines. Provided as seed pools for screening.
- (4) RIKEN Arabidopsis FOX lines developed by RIKEN PSC: 9,000 lines. Provided as seed pools for screening.
- (5) Individual lines of mutant and transgenic Arabidopsis developed in Japan: 20 lines.

### 2-2. Plant DNA Materials

- (1) RIKEN Arabidopsis Full-Length cDNA (RAFL) clones developed by RIKEN GSC: 251,382 clones.
- (2) Full-length cDNA clones of *Physcomitrella patens* developed by National Institute of Basic Biology: 149,363 clones.
- (3) Full-length cDNA clones of poplar developed by Forestry and Forest Products Research Institute: 23,100 clones.
- (4) Full-length cDNA clones of cassava developed by RIKEN PSC: 19,968 clones.
- (5) EST clones and full-length cDNA clones from Tobacco BY-2 cells developed by RIKEN PSC: 19,968 clones.
- (6) Full-length cDNA clones of *Thellungiella halophila* developed by RIKEN PSC: 19,429 clones.
- (7) EST clones of *Brassica rapa* developed by RIKEN BRC and RIBS: 2,166 clones.
- (8) Individual DNA materials developed in Japan: 288 clones.
- (9) Arabidopsis cDNA Encyclopedia DNABook™ (Trial product, basic research user only.)

### 2-3. Plant Cultured Cells

- (1) Arabidopsis T87 cell line.

## 3. Ordering Procedure

### 3-1. User Registration

Please register as a user at our home page (see Sec. 4 for HP). Note that only the principal investigator can register as a user, so if you are student or postdoc, please ask your laboratory head to register.

### 3-2. Orders

Most of the genomic resources can be ordered through our HP. For other resources, please enquire by e-mail.

### 3-3. Documents

Please post two copies each of Material Transfer Agreement form and the appropriate order form from the HP to the address in the front cover page after you make your order.

### 3-4. Shipments

Except for those resources provided by seed pools, we send 50 seeds for each Arabidopsis line, 100 ng of plasmid DNA for each DNA material, and approximately 5 ml of suspension cell culture for T87 cells. Most of resources will be ready for shipment within one month after receipt of order. When we find a problem in the quality of the resource during preparation, we will inform the user.

### 3-5. User Fees

We ask the recipients of orders to bear all shipping and handling costs. The fee structure for plant materials for overseas organizations is shown below.

**Fees for Biological Materials in 2011 Fiscal Year<sup>1</sup> (JP Yen)**

| The fee to the overseas organization*    |                 | Non-Profit Organization | Profit Organization |
|--|-----------------|-------------------------|---------------------|
| Independent Arabidopsis Seeds            | per vial        | 3,000                   | 6,000               |
| Pooled Arabidopsis Seeds                 | per set         | 5,000                   | 10,000              |
| Independent plant DNA                    | per vial        | 3,000                   | 6,000               |
| DNABook™                                 | per volume      | 34,650                  | -                   |
| Arabidopsis T87 cell                     | per unit        | 5,500 <sup>2</sup>      | 11,000 <sup>2</sup> |
| Quarantine certificate                   | per certificate | 15,400                  | 15,400              |
| Culture media for subculture of T87 cell | per unit        | 1,000                   | 1,000               |

<sup>1</sup>Our fiscal year is from April 1 to March 31.

<sup>2</sup>The fee for Arabidopsis T87 cell does not include freight charges.

#### **\*Discount Service for Independent seeds, Pooled seeds and Independent plant DNA**

Those who place a large amount of order for Independent seeds, Pooled seeds and Independent plant DNA could receive a discount in the table.

For the category of the Independent seeds and the Independent plant DNA

| <b>Order quantity</b> | <b>Discount</b> |
|-----------------------|-----------------|
| 1 - 9 vials           | 0%              |
| 10 - 19 vials         | 10%             |
| 20 vials or more      | 20%             |

For the category of the Pooled seeds

| <b>Orders</b>   | <b>Discount</b> |
|-----------------|-----------------|
| 1 - 9 sets      | 0%              |
| 10 - 19 sets    | 10%             |
| 20 sets or more | 15%             |

### **3-6. Billing and Payment Information**

The bill is issued by the RIKEN Tsukuba Research Promotion Division. After receiving the bill, please make your payment in either of the following two ways:

(1) Electric transfer to the following account.

Beneficiary: RIKEN (The Institute of Physical and Chemical Research)

Bank: The Bank of Tokyo-Mitsubishi UFJ, Ltd.

SWIFT code: BOTKJPJT

Branch: Wakoekimae Branch (Branch No. 727)

Account No.: 159228 (Ordinary Account)

Bank Address: 1-1-1 Shimoniikura, Wako-shi, Saitama, 351-0111 JAPAN

Bank Tel: +81-48-466-3611

RIKEN is a non-profit organization; therefore, we ask recipients to cover all bank charges (including exchange, commission and handling fees) necessary for your remittance.

After remittance, please send a copy of the transfer receipt to the following Research Promotion Division by fax to verify the transfer.

(2) Bank check in Japanese yen.

Please make it payable to "The Institute of Physical and Chemical Research" and mail the bank check to:

RIKEN Tsukuba Institute

Tsukuba Planning Section, Research Promotion Division

3-1-1 Koyadai, Tsukuba, Ibaraki 305-0074, JAPAN

If you have any questions about the payment procedure, please contact

E-mail: [brc-front@brc.riken.jp](mailto:brc-front@brc.riken.jp)

FAX: +81-298-36-9182