



Research Opinion & Topics

National BioResource Project of Japan III : DNA resource of Wheat, 2015

Kanako Kawaura, Kazuko Umeda, Yasunari Ogihara*

Kihara Institute for Biological Research, Yokohama City University, Maioka-cho 641-12, Yokohama 244-0813, Japan

* Corresponding Author: Yasunari Ogihara (E-mail: yogihara@yokohama-cu.ac.jp)

The third phase of the National BioResource Project of Japan “Wheat” has reached the fourth fiscal year in 2015. DNA resource team of NBRP-Wheat has continuously collected, maintained and supplied for cDNA clones of common wheat. At present, (1,252,563) ESTs (expressed sequence tags) were collected from the 55 cDNA libraries, in which 26,241 proof-read full-length cDNA sequences are included. BLAST search of those sequences can be applied from the “KOMUGI” site of National Institute of Genetics, Mishima, Japan. The wheat oligo DNA microarray harboring 38K gene probes is also available from the Agilent Technologies Co. Ltd.

Additionally, screening of target clones from TAC library of Chinese Spring wheat and cosmid library of goat grass (*Aegilops tauschii* KU2094) are under way in response to the request. In 2015 seasonal activity, 73 clones requested from five institutions inside and outside of Japan were supplied after DNA sequence check. Furthermore, 33 genomic clones of goat grass had been sent in requests of two institutions.

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