

**MATERIAL TRANSFER AGREEMENT (MTA) for Requesting Plant Materials
from the NBRP Tomato Resource Center**

This Material Transfer Agreement (MTA) sets forth the terms and conditions for the NBRP Tomato Resource Center, Gene Research Center, University of Tsukuba (hereinafter referred to as 'RESOURCE CENTER') to provide a biological material specified as the Exhibit, hereinafter referred to as the 'BIOLOGICAL RESOURCE' to the RECIPIENT. In consideration for the RESOURCE CENTER providing the RECIPIENT access to the BIOLOGICAL RESOURCE and the right to utilize them for the research, the RECIPIENT agrees to the following conditions:

1. The RESOURCE CENTER aims to contribute to the development of **Must describe detailed purpose of use.** distributing the BIOLOGICAL RESOURCE to international researchers.
2. (a) The RECIPIENT agrees to use the BIOLOGICAL RESOURCE for **To elucidate molecular mechanism for root elongation** as specified as:
 - (b) The RECIPIENT agrees to inform the RESOURCE CENTER when using the BIOLOGICAL RESOURCE for any other purpose than the one specified above. The RECIPIENT agrees to acknowledge the contribution of the RESOURCE CENTER upon publishing results obtained by using the BIOLOGICAL RESOURCE as **"Tomato seed (TOMJPXxxxx) was provided by University of Tsukuba, Gene Research Center, through the National Bio-Resource Project (NBRP) of the AMED, Japan."**, and send the reprint to the RESOURCE CENTER. The RESOURCE CENTER possesses the warrant to cite the publication as a fruit of the NBRP.
3. The RECIPIENT agrees to bear the cost of shipping, handling, part of production and other expenses necessary for preparation or distribution of the BIOLOGICAL RESOURCE.
4. The use of the BIOLOGICAL RESOURCE is restricted to co-workers and students who work for the purpose specified above under a direct supervision and responsibility of the RECIPIENT. The RECIPIENT agrees not to transfer or distribute any part of the BIOLOGICAL RESOURCE or any extracts, replications, summaries, or derivatives thereof to any third party howsoever. The condition includes any acts to transfer all or any part of a patent and a patent license with respect to the BIOLOGICAL RESOURCE.
5. This MTA does not give a commercial patent or a commercial patent license to the RECIPIENT with respect to the BIOLOGICAL RESOURCE.
6. The RECIPIENT is responsible for claims against the RECIPIENT and the RESOURCE CENTER by third parties relating to alleged infringement of any patent, copyright, trademark or other intellectual property rights, which may arise from the use, storage or disposal of the BIOLOGICAL RESOURCE by the RECIPIENT, except for the case that the claim is caused by the gross negligence or willful misconduct of the RESOURCE CENTER.
7. The RECIPIENT agrees to be aware of a possibility that the BIOLOGICAL RESOURCE may possess defective, hazardous or faulty properties and may not necessarily fit for a particular purpose and be responsible for the consequences resulting from the use of the BIOLOGICAL RESOURCE by the RECIPIENT.

8. The RECIPIENT agrees that any handling or other activities undertaken in their laboratory with the BIOLOGICAL RESOURCE and IT'S DERIVATIVES shall be conducted in compliance with all *applicable* laws, regulations and guidelines. The RECIPIENT shall, if necessary, take any steps or procedures to comply with legal requirements for handling of the BIOLOGICAL RESOURCE.
9. Any accident occurred during shipment of the BIOLOGICAL RESOURCE is solved together by the RESOURCE CENTER and the RECIPIENT.
10. If the RECIPIENT is in breach of this MTA, the RESOURCE CENTER may request the RECIPIENT to cease the continuous use of the BIOLOGICAL RESOURCE and other resources of the RESOURCE CENTER
11. Any question arose according to matters not set forth in this MTA or during fulfillment of this MTA is solved together by the RESOURCE CENTER and the RECIPIENT.

Please, have (an) authorized officer(s) of the RECIPIENT ORGANIZATION acceptance of the above by signing and dating TWO copies of this Agreement and return both copies by mail AND facsimile/e-mail to following address. Upon receipt of two completed and executed copies of this MTA will be then be sent to the RECIPIENT.

RESOURCE CENTER:

Gene Research Center, University of Tsukuba
 1-1-1 Tennodai, Tsukuba, Ibaraki 305-8572, JAPAN
 Hiroshi Ezura, Principal Investigator of NBRP Tomato

Do NOT fill here.

Signature : _____ Date : _____

Hiroshi Ezura, Director of Gene Research Center

Signature : _____ Date : _____

RECIPIENT INFORMATION and AUTHORIZED SIGNATURE:

I have read and understand the conditions outlined in this MTA and I agree to fully abide by them in the receipt and use of the BIOLOGICAL RESOURCE.

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Name and Title of RECIPIENT Scientist : Hanako Tsukuba, Postdoctoral fellow

Name and Title of Principal Investigator : Tom S.Lycopersicum, Professor

Institution : University of NBRP tomato

Address : 1-1-1 Tennodai, Tsukuba, Ibaraki 305-8572, JAPAN

E-mail of Principal Investigator : xxxx@xxx.xx

Signature of Principal Investigator : Tom S. Lycopersicum Date : June 25, 2015

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CERTIFICATION BY AN AUTHORIZED OFFICIAL:

Name and Title of Authorized Official : Hernán Cortés, Director of Intellectual Property Unit

Signature of Authorized Official : Hernán Cortés Date : June 25, 2015

**AUTHORIZED OFFICIAL is an individual who has full authority for signing MTA.
 (e.g. Director of intellectual property unit, technology transfer office, legal**

Exhibit

List of the biological materials :

*** Fill in strain IDs you requested when published like below.**

EMS mutagenesis lines

TOMJPExxxx(1), TOMJPExxxx(1), TOMJPWxxxx(1) , TOMJPWxxxx(1)...

Gamma irradiation-induced mutant lines

TOMJPGxxxx(1), TOMJPGxxxx(1), TOMJPGxxxx(1)...

Wild type cultivars

TOMJPFxxxx(3), TOMJPFxxxx(2), TOMJPFxxxx(1), TOMJPFxxxx(1)...