



ASSIGNMENT

For valuable consideration, we, JUN-ICHI NEZU of Ibaraki, Japan, ASUKA OSE of Ibaraki, Japan, KOU-ICHI JISHAGE of Shizuoka, Japan, and DIETER E. JENNE of Neuried, GERMANY, hereby assign to:

Chugai Seiyaku Kabushiki Kaisha, a Japanese corporation having a place of business at:

5-1, Ukima 5-chome, Kita-ku  
Tokyo 115-8543 Japan; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled LKB1 GENE KNOCKOUT ANIMALS, filed November 30, 2001, and assigned U.S. Serial Number 10/006,611, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Ibaraki, JAPAN,  
this 13th day of February, 2002  
Junichi Nezu L.S.  
JUN-ICHI NEZU

Witnessed by: Yuichi Hirata  
Name: Yuichi Hirata Date: February 13, 2002

Witnessed by: Tetsuro Orita  
Name: Tetsuro Orita Date: February 13, 2002

IN WITNESS WHEREOF, I hereto set my hand and seal at Ibaraki, JAPAN,  
this 13th day of February, 2002  
Asuka Ose L.S.  
ASUKA OSE

Witnessed by: Yuichi Hirata  
Name: Yuichi Hirata Date: February 13, 2002

Witnessed by: Tetsuro Orita  
Name: Tetsuro Orita Date: February 13, 2002

IN WITNESS WHEREOF, I hereto set my hand and seal at Shizuoka, Japan,  
this 18th day of February, 2002  
Kou-ichi Jishage L.S.  
KOU-ICHI JISHAGE

Witnessed by: Hiroshi Osada  
Name: HIROSHI OSADA Date: February 19, 2002

Witnessed by: Kiyoshi Habu  
Name: KIYOSHI HABU Date: February 19, 2002

IN WITNESS WHEREOF, I hereto set my hand and seal at Neuried, GERMANY,  
this 5th day of March, 2002  
Dieter E. Jenne L.S.  
DIETER E. JENNE

Witnessed by: F. C. Kurschus  
Name: F. C. KURSCHUS Date: March 5, 2002

Witnessed by: Gabriele Bullke  
Name: GABRIELE BULLKE Date: March 5, 2002

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