Su	bstitute Form PTO-1595	06-11-1998	ocket No.: 07334/06200		
5	-29-98 RECORDATI	! MANNER! LI DEL DERRIK MERKET ERRENDE ANNER DEL DER DELLE DELLE TENER LIKER			
As	sistant Commissioner for Patents Please record				
	MAY 2 9 1998 Name of conveying party(ies): Yigal KOLTIN and Victoria OVRIAS Additional name(s) attached? □ Yes ■ No	Name and address MILLENNIUM PHA	of receiving party(ies): ARMACEUTICALS, INC. Cambridge, MA 02139		
3.	Nature of conveyance: ■I Assignment □ Merger □ Security Agreement □ Change of Name □ Other:	Additional names/a No	nddresses attached? □ Yes ■		
	Execution Date: May 13, 1998				
4.	Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No.(s): B. Patent No.(s): 08/965,762				
	Additional nu	mbers attached? ☐ Yes ■ No			
5.	Name/address of party to whom correspondent concerning document should be mailed:	e 6. Total number of ap	pplications/patents involved: 1		
		7. Total fee (37 CFR	3.41): \$40		
	Eldora L. Ellison, Ph.D. Fish & Richardson P.C. 60'l Thirteenth Street, N.W. Washington, DC 20005	■ Enclosed □ Authorized to ch	narge deposit account		
		account, a duplicat attached. Please a	umber: 06-1050 being charged to deposit be copy of this cover sheet is be apply any additional charges, or Deposit Account No. 06-1050.		
	DO N	IOT USE THIS SPACE			
9.	9	owledge and belief, the foregoing in	nformation is true and correct		
	and the attached is the original document.				
	Eldora L. Ellison, Ph.D.	Whent Ille	May 29 1990		
		nature	Date		

Name of Person Signing Signature Da
Total number of pages including cover sheet, attachments, and document: 3

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PATENT REEL: 9222 FRAME: 0782

ASSIGNMENT

For valuable consideration, we, Yigal Koltin, of Newton, MA; and Victoria Gavrias of Upton, MA; hereby assign to Millennium Pharmaceuticals Inc., a Massachusetts corporation having a place of business at 238 Main Street, Cambridge, MA 02139, 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 ESSENCIAL FUNGAL GENES AND THEIR USE, filed November 7, 1997, and assigned U.S. Serial Number 08/965,762, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; 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, and 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 WITMESS WHEREOF, I	hereto set my hand and seal at 238 Main Street Cambridge	
this 134h day of 1	May 1998	L.S.
Yiga	al Koltin	
STATE OF Massochus	e#s:	
COUNTY OFMiddlese	:SS	
Before me	this /3th day of Nky, 1998, personally appeared	
Yigal Koltin	known to me to be the person whose name is subscribed to the	
foregoing Assignment, and purposes therein contained	d acknowledged that he/she executed the same as his/her free act and deed for	or the
	Theodore R. Allen Notary Public My Commission Expires Nov 13, 2003	
	Notary Public	
[Notary's Seal Here]	My Commission Expires:	

PATENT REEL: 9222 FRAME: 0783

IN WITNESS WHEREOF, I hereto:	set my hand and seal at 640 Heurosid Drue	,
this 7th day of Hay	, 19 <u>0</u> S	
· · · · · · · · · · · · · · · · · · ·	la	L.S.
Victoria Ga	avrias	
STATE OF Hassaduse	<u>tt</u> :	
COUNTY OF Hiddlesex	:ss. ::	
Before me this	day of May, 1998, personally appeared	
Victoria Gaurias	known to me to be the person whose name is subscribed to the	2
	owledged that he/she executed the same as his/her free act and deed	
purposes therein contained.	Olhonday D. All	
	Theodore R. Allen Notary Public My Commission Expires Nov 13, 2003	
Not	tary Public	
My	Commission Expires:	
[Notary's Seal Here]		

PATENT REEL: 9222 FRAME: 0784

RECORDED: 05/29/1998