01-27-1999 FORM PTO-1595 U.S. DEPARTMENT OF (Rev. 6-93) **COMMERCE** OMB No. 0651-0011 (exp. 4/94) Patent and Trademark Office 100951343 To the Honorable Commissioner of Pa. ched original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Genetics Institute, Inc. Lisa A. Racie Name: Edward R. LaVallie Janet E. Paulsen Internal Address: Additional name(s) of conveying party(ies) □ Yes ⊠ No 3. Nature of conveyance: Street Address: 87 CambridgePark Drive ■ Assignment ☐ Security Agreement ☐ Change of Name City: Cambridge State MA ZIP 02140 Other Execution Date: 01/19/99; Additional name(s) & address attached? Yes ☑ No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) **08/893,654** (GI 5327) Additional numbers attached? □ Yes ⊠No 6. Total number of applications and registrations 5. Name and address of party to whom correspondence concerning 1 involved document should be mailed: Name: Steve R. Lazar, Reg. No. 32.618 7. Total fee (37 CFR 3.41)...... \$40.00 Internal Address: Genetics Institute, Inc. Legal Affairs □Enclosed Street Address: 87 CambridgePark Drive 8. Deposit Account Number: 07-1060 (Attach duplicate copy of this page if paying by deposit City: MA ZIP Cambridge State 02140 deposit account) 01/27/1999 IMBUYEH 00000315 071060 DO NOT USE THIS SPACE 01 FC:581 40.00 CH 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the Steven R. Lazar, Reg. No. 32,618 January 21, 1999 Name of Person Signing Date Total number of pages including cover sheet, attachments, and document

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ASSIGNMENT

In consideration of good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned,

Lisa A. Racie, Edward R. LaVallie, Janet E. Paulsen

residing at:

124 School Street, Acton, Massachusetts 01720;

113 Ann Lee Road, Harvard, Massachusetts 01451

43 Sherood Road, Londonderry, New Hampshire 03053, respectively

hereby sell, assign and transfer to GENETICS INSTITUTE, INC., a corporation of the State of Delaware having a place of business at 87 CambridgePark Drive, Cambridge, in the County of Middlesex, and the State of Massachusetts, United States of America, their successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned and is entitled:

FRAZZLED NUCLEOTIDE SEQUENCES, EXPRESSION PRODUCTS COMPOSITIONS AND USES

(GI Case No. 5279) and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for United States Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignees, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignees may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under

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agreement; and that, when requested, without charge to, but at the expense of, said Assignees, their successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignees, their successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings, and generally do everything possible which said Assignees, their successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignees, their successors, assigns and legal representatives; and

COVENANT with said Assignees, their successors, assigns, and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

1/20/99 Lisa A. Racie

Commonwealth of Massachusetts)

County of Middlesex) ss.

Subscribed and sworn to before me by the above-named Lisa Racie this 20 day of

_, 1999.

Notary Public
My Commission Expires: Sept 2, 2005

Notary Commonwealth of Max acquisetts My Commission September:

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Commonwealth of Massachusetts) County of Middlesex) ss. Subscribed and sworn to before me by the above-named Edward R. LaVallie this 20 day Notary Public My Commission Expires: HELENE GEORGE Notary Public Commonwealth of Massachusetts
My Commission Expires September 2, 2005 Commonwealth of Massachusetts) County of Middlesex) ss.

Subscribed and sworn to before me by the above-named Janet E. Paulsen this _

_, 1999.

RECORDED: 01/27/1999

ALEXANDRIA M. L. NIEDZWIECKI **Notary Public** Commonwealth of Massachusetts Commission Expires July 1, 1999

Notary Public

My Commission Expires:_

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