Markin Rodney S Form 4 May 24, 2007

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Markin Rodney S Issuer Symbol TRANSGENOMIC INC [TBIO] (Check all applicable) (Middle) (Last) (First) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Other (specify Officer (give title C/O UNIVERSITY OF NEBR 05/23/2007 below) MEDICAL CENTER, 983135 NEBRASKA MEDICAL CENTER (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting OMAHA, NE 68198-3135

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Disposed of (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price No D

Securities 0

Owned

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number conf Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Purchase Option	\$ 0.7	05/23/2007		A	5,000	06/01/2008	05/22/2017	Common Stock (1)	5,000
Purchase Option	\$ 0.7	05/23/2007		A	5,000	06/01/2009	05/22/2017	Common Stock (1)	5,000
Purchase Option	\$ 0.7	05/23/2007		A	5,000	06/01/2010	05/22/2017	Common Stock (1)	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships				
coporting of the common control	Director	10% Owner	Officer	Other	
Markin Rodney S C/O UNIVERSITY OF NEBR MEDICAL CENTER 983135 NEBRASKA MEDICAL CENTER OMAHA, NE 68198-3135	X				

Signatures

Debra A. Schneider POA for Rodney S Markin 05/23/2007

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Common Stock, par value \$.01 per share of Transgenomic, Inc.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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