GENOMIC HEALTH INC

Form 4

August 12, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

of

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OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5

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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 * Baker Brothers Life Sciences Capital (GP), LLC

2. Issuer Name and Ticker or Trading Symbol

GENOMIC HEALTH INC [GHDX]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

Stock (1)

(First) (Middle) 3. Date of Earliest Transaction

(Check all applicable)

667 MADISON AVENUE, 17TH

FLOOR

(Street)

(Month/Day/Year)

_X__ Director Officer (give title below)

X__ 10% Owner __ Other (specify

08/10/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

Applicable Line)

Form filed by One Reporting Person X_ Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

NEW YORK, NY US 10021

(City)	(State)	\mathbf{T}	Table I - Nor	-Derivative Securities Acqu	ired, Disposed of	f, or Beneficia	ally Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired (A)	5. Amount of	6.	7. Nature o
Security	(Month/Day/Year)	Execution Date, if	Transacti	oror Disposed of (D)	Securities	Ownership	Indirect

(I	nstr. 3)		any (Month/Day/Year)	Code (Instr. 8)	(Instr. 3, 4 and 5)		Beneficially Form: Owned Direct (D) Following or Indirect Reported (I)		Beneficial Ownership (Instr. 4)	
				Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
	Common tock (1)	08/10/2009		P	12,622	A	\$ 19.4996	3,682,058	I	Through Partnership (3)
	Common tock (1)	08/10/2009		P	8,312	A	\$ 19.4793	3,690,370	I	Through Partnership (3)
	Common tock (1)	08/11/2009		P	32,139	A	\$ 19.3657	3,722,509	I	Through Partnership (3)
C	Common	08/11/2009		P	249	A	\$ 19.47	3,722,758	I	Through

Partnership

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(2)								(3)
Common Stock (1) (2)	08/11/2009	P	10,624	A	\$ 19.3585	3,733,382	I	Through Partnership (3)
Common Stock (1) (2)	08/12/2009	P	26,808	A	\$ 19.6969	3,760,190	I	Through Partnership (3)

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

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SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Title a Amount Underlyi Securitie (Instr. 3 a	of ng	8. Price of Derivative Security (Instr. 5)
			Code V	(A) (D)	Date Exercisable	Expiration Date	or Title No of	umber	

Reporting Owners

Reporting Owner Name / Address	Relationships				
topolog o mai mai pradica	Director	10% Owner	Officer	Other	
Baker Brothers Life Sciences Capital (GP), LLC 667 MADISON AVENUE, 17TH FLOOR NEW YORK, NY US 10021	X	X			
BAKER JULIAN 667 MADISON AVENUE, 17TH FLOOR NEW YORK, NY US 10021	X	X			
BAKER FELIX 667 MADISON AVENUE, 17TH FLOOR NEW YORK NY US 10021	X	X			

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Signatures

/s/ Julian C. Baker, as Managir LLC	ng Member of Baker Brothers Life Sciences Capital (GP),	08/12/2009
	**Signature of Reporting Person	Date
/s/ Julian C. Baker		08/12/2009
	**Signature of Reporting Person	Date
/s/ Felix J. Baker		08/12/2009
	**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).
 - In addition to Baker Brothers Life Sciences Capital (GP), LLC, this Form 4 is being filed jointly by Julian C. Baker and Felix J. Baker each of whom has the same business address as Baker Brothers Life Sciences Capital (GP), LLC and may be deemed to have a pecuniary
- (1) interest in securities owned by it. Julian C. Baker is a director of the Issuer. Because of certain relationships with other security holders of the Issuer, the Reporting Persons are filing solely for informational purposes as if they were a member of a group of such shareholders. (Continued in footnote 2).
- However, the Reporting Persons disclaim that they and any other person or persons, in fact constitute a "group" for purposes of Section 13(d)(3) of the Securities Exchange Act of 1934, as amended, or Rule 13d-5 thereunder or that they are the beneficial owners of securities owned by any such other persons, and each of them disclaims beneficial ownership of securities reported herein except to the extent of their pecuniary interest, if any, therein.
- Represents securities owned directly by Baker Brothers Life Sciences, L.P., the sole general partner of which is Baker Brothers Life (3) Sciences Capital, L.P., a limited partnership the sole general partner of which is Baker Brothers Life Sciences Capital (GP),LLC. Julian C. Baker and Felix J. Baker are controlling members of Baker Brothers Life Sciences Capital (GP), LLC.

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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