GENOMIC HEALTH INC

Form 4

September 10, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

OMB APPROVAL

3235-0287

Expires:

January 31, 2005

0.5

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response...

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

may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

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

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(Middle)

GENOMIC HEALTH INC [GHDX] 3. Date of Earliest Transaction

(Check all applicable)

667 MADISON AVENUE, 17TH

(First)

(Street)

FLOOR

(Month/Day/Year)

09/08/2010

_X__ Director X 10% Owner Other (specify Officer (give title below)

6. Individual or Joint/Group Filing(Check

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

NEW YORK, NY US 10021

(City)	(State)	(Zip) Tal	ble I - Non-	-Derivativ	e Seci	urities Acqu	ired, Disposed o	f, or Benefici	ally Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		sed of 4 and (A) or		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock (1)	09/08/2010		P	3,801	A	\$ 14.8216	4,933,530	I	Through Partnership (3)
Common Stock (1) (2)	09/09/2010		P	1,460	A	\$ 14.784	4,934,990	I	Through Partnership (3)

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

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1

(9-02)

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

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secur
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities	1		(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration	m: 1	or		
						Exercisable	Date	Title	Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
reporting of the state of the state of	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				

Signatures

/s/ Julian C. Baker, as Managin LLC	g Member of Baker Brothers Life Sciences Capital (GP),	09/10/2010
	**Signature of Reporting Person	Date
/s/ Julian C. Baker		09/10/2010
	**Signature of Reporting Person	Date
/s/ Felix J. Baker		09/10/2010
	**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) 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 interest in securities owned by it. Julian C. Baker is a director of the Issuer. Because of certain relationships with other security holders of

Reporting Owners 2

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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.