GENOMIC HEALTH INC

Form 4

November 14, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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SECURITIES

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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 Ad BAKER FEL	*	ting Person *	2. Issuer Name and Ticker or Trading Symbol GENOMIC HEALTH INC [GHDX]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
667 MADISO	667 MADISON AVENUE, 21ST FLOOR		(Month/Day/Year) 11/09/2012	_X DirectorX 10% Owner Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
NEW YORK, NY US 10065			Filed(Month/Day/Year)	Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acc	quired, Disposed of, or Beneficially Owned		

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transacti Code (Instr. 8)	4. Securitie orDisposed o (Instr. 3, 4	f (D)	red (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							288	D	
Common Stock							173,897	I	See Footnote (1) (23)
Common Stock							194,161	I	See Footnote (2) (23) (24)
Common Stock							173,897	I	See Footnote (3) (23) (24)

Common Stock						13,238	I	See Footnote (4) (23) (24)
Common Stock	11/09/2012	P	1,316	A	\$ 25.8254 (5)	1,489,855	I	See Footnote (6) (23) (24)
Common Stock	11/09/2012	P	2,657	A	\$ 26.9061 (5)	1,492,512	I	See Footnote (6) (23) (24)
Common Stock	11/09/2012	P	40,412	A	\$ 27.8438 (5)	1,532,924	I	See Footnote (6) (23) (24)
Common Stock	11/09/2012	P	323	A	\$ 27.1612 (7)	1,533,247	I	See Footnote (6) (23) (24)
Common Stock	11/09/2012	P	96	A	\$ 26.6801 (8)	1,533,343	I	See Footnote (6) (23) (24)
Common Stock	11/09/2012	P	585	A	\$ 27.8556 (8)	1,533,928	I	See Footnote (6) (23) (24)
Common Stock	11/09/2012	P	13,447	A	\$ 25.8254	9,100,137	I	See Footnote (10) (23) (24)
Common Stock	11/09/2012	P	27,125	A	\$ 26.9061	9,127,262	I	See Footnote (10) (23) (24)
Common Stock	11/09/2012	P	412,596	A	\$ 27.8438	9,539,858	I	See Footnote (10) (23) (24)
Common Stock	11/09/2012	P	3,298	A	\$ 27.1612	9,543,156	I	See Footnote (10) (23) (24)
Common Stock	11/09/2012	P	980	A	\$ 26.6801	9,544,136	I	See Footnote (10) (23) (24)
Common Stock	11/09/2012	P	5,972	A	\$ 27.8556 (12)	9,550,108	I	See Footnote (10) (23) (24)

Common Stock	11/09/2012	P	324	A	\$ 25.8254 (13)	247,387	I	See Footnote (14) (23) (24)
Common Stock	11/09/2012	P	651	A	\$ 26.9061 (13)	248,038	I	See Footnote (14) (23) (24)
Common Stock	11/09/2012	P	9,905	A	\$ 27.8438 (13)	257,943	I	See Footnote (14) (23) (24)
Common Stock	11/09/2012	P	79	A	\$ 27.1612 (15)	258,022	I	See Footnote (14) (23) (24)
Common Stock	11/09/2012	P	24	A	\$ 26.6801 (16)	258,046	I	See Footnote (14) (23) (24)
Common Stock	11/09/2012	P	143	A	\$ 27.8556 (16)	258,189	I	See Footnote (14) (23) (24)
Common Stock	11/12/2012	P	16,724	A	\$ 27.9374 (17)	1,550,652	I	See Footnote (6) (23) (24)
Common Stock	11/12/2012	P	178,978	A	\$ 27.9374 (18)	9,729,086	I	See Footnote (10) (23) (24)
Common Stock	11/12/2012	P	4,298	A	\$ 27.9374 (19)	262,487	I	See Footnote (14) (23) (24)
Common Stock	11/13/2012	P	8,691	A	\$ 27.9919 (20)	1,559,343	I	See Footnote (6) (23) (24)
Common Stock	11/13/2012	P	92,917	A	\$ 27.9919 (21)	9,822,003	I	See Footnote (10) (23) (24)
Common Stock	11/13/2012	P	2,231	A	\$ 27.9919 (22)	264,718	I	See Footnote (14) (23)

(24)

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
BAKER FELIX 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY US 10065	X	X				
BAKER BROS ADVISORS LLC 667 MADISON AVENUE 21ST FLOOR NEW YORK, NY US 10065	X	X				
BAKER JULIAN 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY US 10065	X	X				
Baker Brothers Life Sciences LP 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY US 10065	X	X				
14159, L.P. 667 MADISION AVENUE, 21ST FLOOR NEW YORK, NY US 10065	X	X				
	X	X				

Reporting Owners 4

667, L.P. 667 MADISON AVENUE 21ST FLOOR NEW YORK, NY US 10065

Signatures

/s/ Felix J. Baker	11/14/2012
**Signature of Reporting Person	Date
BAKER BROS. ADVISORS, LLC Name: Scott L. Lessing, Title: President /s/ Scott L.	
Lessing	11/14/2012
**Signature of Reporting Person	Date
/s/ Julian C. Baker	11/14/2012
**Signature of Reporting Person	Date
Baker Bros. Advisors, LLC, Mgmt. Co. and Inv. Adviser to BAKER BROTHERS LIFE SCIENCES, L.P., pursuant to authority granted by Baker Brothers Life Sciences Capital, L.P., GP to Baker Brothers Life Sciences, L.P Name:Scott L. Lessing, Title: President /s/	11/14/2012
**Signature of Reporting Person	Date
Baker Bros. Advisors, LLC, Mgmt. Co. and Inv. Adviser to 14159, L.P., pursuant to authority granted by 14159 Capital, L.P., GP to 14159, L.P. Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing	11/14/2012
**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).
 - Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in 173,897 shares of Common Stock of Genomic Health, Inc. (the "Issuer") directly held by FBB Associates. Julian C. Baker and Felix J. Baker are the sole partners of FBB
- (1) Associates. Julian C. Baker and Felix J. Baker disclaim beneficial ownership of the securities held directly by FBB Associates except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that either Julian C. Baker or Felix J. Baker is a beneficial owner of such securities for purposes of Section 16 or any other purpose.
 - As a result of their ownership interest in Baker Tisch Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in 194,161 shares of Common Stock of the Issuer directly held by Baker Tisch Investments, L.P.
- (2) ("Baker Tisch"), a limited partnership of which the sole general partner is Baker Tisch Capital, L.P., a limited partnership of which the sole general partner is Baker Tisch Capital (GP), LLC, due to Baker Tisch Capital L.P.'s right to receive an allocation of a portion of the profits from Baker Tisch.
 - As a result of their ownership interest in Baker Bros. Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in 173,897 shares of Common Stock of the Issuer directly held by Baker Bros. Investments, L.P. ("Bake
- (3) Bros. Investments"), a limited partnership of which the sole general partner is Baker Bros. Capital, L.P., a limited partnership of which the sole general partner is Baker Bros. Capital (GP), LLC, due to Baker Bros. Capital, L.P.'s right to receive an allocation of a portion of the profits from Baker Bros. Investments.
 - As a result of their ownership interest in Baker Bros. Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in 13,238 shares of Common Stock of the Issuer directly held by Baker Bros. Investments II, L.P.
- (4) ("Baker Bros. Investments II"), a limited partnership of which the sole general partner is Baker Bros. Capital, L.P., a limited partnership of which the sole general partner is Baker Bros. Capital (GP), LLC, due to Baker Bros. Capital, L.P.'s right to receive an allocation of a portion of the profits from Baker Bros. Investments II.
- (5) The price reported in Column 4 is a weighted average price. These shares purchased by 667, L.P. ("667")were traded in multiple transactions at prices ranging from \$25.42 to \$26.34, \$26.42 to 27.25, and \$27.65 to 27.99, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full

Signatures 5

information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (7) and (8).

After giving effect to the transactions reported herein and as a result of their ownership interest in Baker Biotech Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in column 5 of Table I directly held by 667, a limited partnership of which the sole general partner is Baker Biotech Capital, L.P., a limited partnership of which the sole general partner is Baker Biotech Capital (GP), LLC, due to Baker Biotech Capital, L.P.'s right to receive an allocation of a portion of the profits from 667.

The price reported in Column 4 is a weighted average price. These shares purchased by 667 were traded in multiple transactions at prices ranging from \$27.13 to \$27.20, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (5) and (8).

The price reported in Column 4 is a weighted average price. These shares purchased by 667 were traded in multiple transactions at prices ranging from \$26.66 to \$26.73 and \$27.66 to \$27.96 inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (5) and (7).

The price reported in Column 4 is a weighted average price. These shares purchased by Baker Brothers Life Sciences, L.P. ("Life Sciences")were traded in multiple transactions at prices ranging from \$25.42 to \$26.34, \$26.42 to 27.25, and \$27.65 to 27.99, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (11) and (12).

After giving effect to the transactions reported herein and as a result of their ownership interest in Baker Brothers Life Sciences
Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in the Issuer's shares of
Common Stock reported in column 5 of Table I directly held by Life Sciences, a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital, L.P., a limited partnership of which the sole general partner is Baker Brothers Life Sciences
Capital (GP), LLC, due to Baker Brothers Life Sciences Capital, L.P.'s right to receive an allocation of a portion of the profits from Life Sciences.

The price reported in Column 4 is a weighted average price. These shares purchased by Life Sciences were traded in multiple transactions at prices ranging from \$27.13 to \$27.20, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (9) and (12).

The price reported in Column 4 is a weighted average price. These shares purchased by Life Sciences were traded in multiple transactions at prices ranging from \$26.66 to \$26.73 and \$27.66 to \$27.96 inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (9) and (11).

The price reported in Column 4 is a weighted average price. These shares purchased by 14159, L.P. ("14159")were traded in multiple transactions at prices ranging from \$25.42 to \$26.34, \$26.42 to 27.25, and \$27.65 to 27.99, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (15) and (16).

After giving effect to the transactions reported herein and as a result of their ownership interest in 14159 Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in Column 5 of Table I directly held by 14159 (14159 together with Baker Tisch, Baker Bros. Investments, Baker Bros. Investments II, 667 and Life Sciences, the "Funds"), a limited partnership of which the sole general partner is 14159 Capital L.P., a limited partnership of which the sole general partner is 14159 Capital L.P.'s right to receive an allocation of a portion of the profits from 14159.

The price reported in Column 4 is a weighted average price. These shares purchased by 14159 were traded in multiple transactions at prices ranging from \$27.13 to \$27.20, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (13) and (16).

- The price reported in Column 4 is a weighted average price. These shares purchased by 14159 were traded in multiple transactions at prices ranging from \$26.66 to \$26.73 and \$27.66 to \$27.96 inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote. The transactions described in this footnote were executed by a different broker-dealer from those transactions described in footnotes (13) and (15).
- The price reported in Column 4 is a weighted average price. These shares purchased by 667 were traded in multiple transactions at prices ranging from \$27.61 to \$28.33, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares purchased by Life Sciences were traded in multiple transactions at prices ranging from \$27.61 to \$28.33, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares purchaed by 14159 were traded in multiple transactions at prices ranging from \$27.61 to \$28.33, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- (20) The price reported in Column 4 is a weighted average price. These shares purchased by 667 were traded in multiple transactions at prices ranging from \$27.87 to \$28.15, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- (21) The price reported in Column 4 is a weighted average price. These shares purchased by Life Sciences were traded in multiple transactions at prices ranging from \$27.87 to \$28.15, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares purchased by 14159 were traded in multiple transactions at prices ranging from \$27.87 to \$28.15, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- (23) The aggregate indirect beneficial ownership reported on this form is 12,201,257 shares.

Baker Bros. Advisors, LLC (the "Adviser") serves as the Investment Adviser to the Funds. In connection with the services provided by the Adviser, the Adviser receives an asset-based management fee that does not confer any pecuniary interest in the securities held by the Funds. Julian C. Baker and Felix J. Baker are principals of the Adviser. The Adviser has complete and unlimited discretion and authority with respect to the investment and voting power of the securities held by the Funds. The general partners of the Funds relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds. Julian C. Baker, Felix J. Baker and the Adviser disclaim beneficial ownership of the securities held directly by the Funds except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that any of Julian C. Baker, Felix J. Baker or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.

Remarks:

(24)

Felix J. Baker and Julian C. Baker are directors of the Issuer. By virtue of their representation on the Board of Directors of the 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.