| GENOMIC Form 4 April 05, 20 | HEALTH INC | | | | | | | | |
|---|--|--|--|------------|------------------------------|-------------|---|--|--|
| Check th if no lon subject t Section Form 4 of Form 5 obligation may con See Instr 1(b). | A 4 UNITED STATE o UNITED STATE STATEMENT (State of the United pursuant to Section 17(a) of the | ED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES I pursuant to Section 16(a) of the Securities Exchange Act of 1934, 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940 | | | | | | OMB Number: Expires: Estimated a burden hou response | |
| (Print or Type | Responses) | | | | | | | | |
| 1. Name and A BAKER FE | Address of Reporting Person <u>*</u> ELIX | Symbol | r Name and MIC HEA | | | C | 5. Relationship of Issuer | | |
| (Last) 667 MADIS FLOOR | (First) (Middle) SON AVENUE, 21ST | 3. Date of (Month/D 04/01/2 | - | ansaction | | | X Director Officer (give below) | k all applicable $\underline{-X}_{0\%} 10\%$ title $\underline{-X}_{0\%} 0$ the below) | |
| | | | mendment, Date Original ⁄Ionth/Day/Year) | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person | | |
| (City) | (State) (Zip) | Tabl | e I - Non-D | erivative | Secur | ities Acq | uired, Disposed of | , or Beneficial | ly Owned |
| 1.Title of Security (Instr. 3) | any | emed on Date, if /Day/Year) | 3. Transactic Code (Instr. 8) Code V | (Instr. 3, | ispose 4 and (A) or | d of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Indirect Beneficial |
| Common Stock | | | Couc V | Amount | (D) | Thee | 173,897 | I | See footnote (1) |
| Common Stock | 04/01/2016 | | А | 784 | A | \$ 25.48 | 203,942 | Ι | See footnote $\frac{(2) (3) (4) (5)}{(11) (12)}$ |
| Common Stock | 04/01/2016 | | A | 784 | A | \$ 25.48 | 183,678 | Ι | See footnote (2) (3) (4) (6) (11) (12) |

| Common Stock | 04/01/2016 | А | 784 | А | \$ 25.48 | 23,019 | Ι | See footnote (2) (3) (4) (7) (11) (12) |
|-----------------|------------|---|-----|---|-------------|------------|---|--|
| Common Stock | 04/01/2016 | А | 784 | А | \$ 25.48 | 1,739,189 | Ι | See footnote (2) (3) (4) (8) (11) (12) |
| Common Stock | 04/01/2016 | А | 784 | А | \$ 25.48 | 11,250,066 | Ι | See footnote (2) (3) (4) (9) (11) (12) |
| Common Stock | 04/01/2016 | А | 784 | A | \$ 25.48 | 309,627 | Ι | See footnote (2) (3) (4) (10) (11) (12) |

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.

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) | | Date | 7. Title Amoun Underl Securi (Instr. | nt of lying | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secu Bene Owne Follo Repo Trans (Instr |
|---|---|---|---------------------------------------|---|---------------------|--------------------|--|--|---|--|
| | | | 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 |
|---|----------|-----------|---------|-------|
| _ | Х | Х | | |

BAKER FELIX 667 MADISON AVENUE, 21ST FLOOR

| | NEW YORK, NY 10065 | | | | | | |
|---|---|---------------------------|-----------------|---|--------------------|--|--|
| | BAKER BROS. ADVISORS LP 667 MADISON AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | х | Х | | | |
| | BAKER JULIAN 667 MADISON AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | Х | Х | | | |
| | Baker Bros. Advisors (GP) LLC 667 MADISION AVENUE, 21ST NEW YORK, NY New York | FLOOR | х | Х | | | |
| | Baker Bros. Investments, L.P. 667 MADISION AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | х | Х | | | |
| | Baker Bros. Investments II, L.P. 667 MADISION AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | Х | X | | | |
| | Baker/Tisch Investments, LP 667 MADISION AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | Х | Х | | | |
| | 667, L.P. 667 MADISION AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | Х | X | | | |
| | Baker Brothers Life Sciences LP 667 MADISION AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | Х | Х | | | |
| | 14159, L.P. 667 MADISION AVENUE, 21ST NEW YORK, NY 10065 | FLOOR | Х | Х | | | |
| | Signatures | | | | | | |
| | /s/ Felix J. Baker | | | | 04/05/2016 | | |
| | | **Signature of Re | eporting Person | | Date | | |
| BAKER BROS. ADVISORS LP: Name: Scott L. Lessing Title: President /s/ Scott L. Lessing | | | | | | | |
| | | <u>**</u> Signature of Re | eporting Person | | 04/05/2016 Date | | |
| | | | | | | | |

/s/ Julian C. Baker

 /s/ Julian C. Baker
 04/05/2016

 _____*Signature of Reporting Person
 Date

 BAKER BROS. ADVISORS (GP) LLC:Name: Scott L. Lessing Title: President /s/ Scott L.
 04/05/2016

 _____*Signature of Reporting Person
 Date

 _____*Signature of Reporting Person
 Date

Baker Bros. Advisors LP, Mgmt. Co. and Inv. Adviser to Baker Bros. Investments, L.P.,

| pursuant to authority granted by Baker Bros. Capital, L.P., GP to Baker Bros. Investments, L.P Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing | 04/05/2016 |
|---|------------|
| **Signature of Reporting Person | Date |
| Baker Bros. Advisors LP, Mgmt. Co. and Inv. Adviser to Baker Bros. Investments II, L.P., pursuant to authority granted by Baker Bros. Capital, L.P., GP to Baker Bros. Investments II, L.P Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing | 04/05/2016 |
| **Signature of Reporting Person | Date |
| Baker Bros. Advisors LP, Mgmt. Co. and Inv. Adviser to BAKER/TISCH INVESTMENTS, L.P., pursuant to authority granted by Baker/Tisch Capital, L.P., GP to Baker/Tisch Investment, L.P Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing | 04/05/2016 |
| **Signature of Reporting Person | Date |
| Baker Bros. Advisors LP, Mgmt. Co. and Inv. Adviser to 667, L.P., pursuant to authority granted by Baker Biotech Capital, L.P., GP to 667, L.P Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing | 04/05/2016 |
| **Signature of Reporting Person | Date |
| Baker Bros. Advisors LP, 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/ | 04/05/2016 |
| **Signature of Reporting Person | Date |
| Baker Bros. Advisors LP, 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 | 04/05/2016 |
| **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).

Felix J. Baker and Julian C. 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 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.

(2) 392 shares of restricted stock (the "Restricted Stock") issued to Felix J. Baker and 392 shares of Restricted Stock issued to Julian C. Baker pursuant to the Issuer's 2005 Stock Incentive Plan (the "Stock Incentive Plan") in lieu of director retainer fees of \$10,000, respectively. The shares of Restricted Stock are fully vested. Felix J. Baker and Julian C. Baker serve on the Issuer's Board of Directors as representatives of the Funds (as defined below).

Pursuant to the policies of the Adviser (as defined below), Felix J. Baker and Julian C. Baker do not have any right to the pecuniary interest in the Issuer's securities issued in lieu of director retainer fees and the Funds (as defined below) are entitled to an indirect proportionate pecuniary interest in the securities issued in lieu of director fees.

Baker/Tisch Investments, L.P. ("Baker Tisch"), Baker Bros. Investments, L.P. ("Baker Bros. Investments"), Baker Bros. Investments II, L.P. ("Baker Bros. Investments II"), 667, L.P. ("667"), Baker Brothers Life Sciences, L.P. ("Life Sciences") and 14159, L.P.

- (4) ("14159", and together with Baker Tisch, Baker Bros. Investments, Baker Bros. Investments II, 667, and Life Sciences, the "Funds") each owns an indirect proportionate pecuniary interest in the shares of Restricted Stock. Solely as a result of their ownership interest in the general partners of the general partners of the Funds, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in the shares of Restricted Stock issued in lieu of director retainer fees (ie. no direct pecuniary interest).
- (5) As a result of Felix J. Baker's and Julian C. Baker's ownership interest in Baker/Tisch Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 203,942 shares of Common Stock of the Issuer beneficially owned by Baker Tisch, a limited partnership of which the sole general partner is Baker/Tisch Capital, L.P., a limited partnership of which the

(1)

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. Includes beneficial ownership of 9,781 shares issued pursuant to the Stock Incentive Plan in lieu of director retainer fees, of which the fund may be deemed to own a portion.

As a result of Felix J. Baker's and Julian C. Baker's ownership interest in Baker Bros. Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 183,678 shares of Common Stock of the Issuer beneficially owned by Baker 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, L.P., a limited partnership of a portion of the profits from Baker Bros. Investments. Includes beneficial ownership of 9,781 shares issued pursuant to the Stock Incentive Plan in lieu of director retainer fees, of which the fund may be deemed to own a portion.

As a result of Felix J. Baker's and Julian C. Baker's ownership interest in Baker Bros. Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 23,019 shares of Common Stock of the Issuer beneficially owned by 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, L.P., a limited partnership of a portion of the profits from Baker Bros. Investments II. Includes beneficial ownership of 9,781 shares issued pursuant to the Stock Incentive Plan in lieu of director retainer fees, of which the fund may be deemed to own a portion.

As a result of Felix J. Baker's and Julian C. Baker's ownership interest in Baker Biotech Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 1,739,189 shares of Common Stock of the Issuer beneficially owned by 667, a limited partnership of which the sole general partner is Baker Biotech Capital, L.P., a limited partnership of which

(8) Whet by 607, a limited participant of which the sole general particle is Baker Biotech Capital, L.P.'s right to receive an allocation of a portion of the profits from 667. Includes beneficial ownership of 9,781 shares issued pursuant to the Stock Incentive Plan in lieu of director retainer fees, of which the fund may be deemed to own a portion.

As a result of Felix J. Baker's and Julian C. Baker's ownership interest in Baker Brothers Life Sciences Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest 11,250,066 shares of Common Stock of the Issuer beneficially owned by Life Sciences, a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital,

(9) 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. Includes beneficial ownership of 9,781 shares issued pursuant to the Stock Incentive Plan in lieu of director retainer fees, of which the fund may be deemed to own a portion.

As a result of Felix J. Baker's and Julian C. Baker's ownership interest in 14159 Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 309,627 shares of Common Stock of the Issuer beneficially owned by 14150 a limited perturbin of which the sole general perturbine is 14150 Capital L. P. a limited perturbine of which the sole general

(10) 14159, 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 (GP), LLC, due to 14159 Capital, L.P.'s right to receive an allocation of a portion of the profits from 14159. Includes beneficial ownership of 9,781 shares issued pursuant to the Stock Incentive Plan in lieu of director retainer fees, of which the fund may be deemed to own a portion.

Baker Bros. Advisors LP (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. Baker Bros. Advisors (GP) LLC (the "Adviser GP") is the Adviser's sole general partner. Julian C. Baker and Felix J. Baker are principals of the Adviser GP. The Adviser has complete and unlimited discretion and authority with respect to the

- (11) 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, the Adviser GP 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, the Adviser GP or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.
- (12) The disclosure of the grant of Restricted Stock reported on this form is the sum of two grants totaling 784 shares. The 784 shares are reported for each of the Funds as each has an indirect pecuniary interest.

Remarks:

(6)

(7)

Felix J. Baker and Julian C. Baker are directors of Genomic Health Inc. (the "Issuer"). By virtue of their representation on 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.