AYERS RICHARD H

Check this box

if no longer

Section 16.

subject to

Form 4

February 08, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

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OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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).

(Last)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * AYERS RICHARD H

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

APPLERA CORP [ABI/CRA]

(Check all applicable)

APPLERA CORPORATION, 301

(Street)

(First)

(Middle)

3. Date of Earliest Transaction (Month/Day/Year)

_X__ Director Officer (give title

below)

10% Owner _ Other (specify

MERRITT 7

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year) Applicable Line)

02/06/2008

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

NORWALK, CT 06851-1070

| (City) | (State) Table I - Non-Derivative Securities Acquire | | | | | ired, 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. Transactic Code (Instr. 8) | 4. Securities Acquired or(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Applied | | | Code V | Amount | | Price | (Instr. 3 and 4) | | |
| Biosystems Group Common Stock | 02/06/2008 | | S <u>(1)</u> | 6 | D | \$ 31.76 | 10,877 | D | |
| Applied Biosystems Group Common Stock | 02/06/2008 | | S(1) | 2 | D | \$ 31.75 | 10,875 | D | |
| Applied Biosystems | | | | | | | 23,824 | I | By Suzanne |

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| Group Common Stock | | | | | | | |
|--|------------|--------------|-------|---|-------------|---------|---|
| Celera Group Common Stock Units | | | | | | 3,386.2 | D |
| Celera Group Common Stock | 02/06/2008 | M | 2,709 | A | \$ 8.56 | 7,025 | D |
| Celera Group Common Stock | 02/06/2008 | S(1) | 31 | D | \$ 15.31 | 6,994 | D |
| Celera Group Common Stock | 02/06/2008 | S(1) | 126 | D | \$ 15.3 | 6,868 | D |
| Celera Group Common Stock | 02/06/2008 | S(1) | 31 | D | \$ 15.29 | 6,837 | D |
| Celera Group Common Stock | 02/06/2008 | S(1) | 158 | D | \$ 15.28 | 6,679 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 53 | D | \$ 15.26 | 6,626 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 232 | D | \$ 15.25 | 6,394 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 54 | D | \$ 15.24 | 6,340 | D |
| Celera Group Common Stock | 02/06/2008 | S(1) | 236 | D | \$ 15.23 | 6,104 | D |
| Celera Group | 02/06/2008 | S(1) | 227 | D | \$ 15.22 | 5,877 | D |

L. Ayers Living Trust (2)

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| Common Stock | | | | | | |
|------------------------------------|------------|--------------|-----|---|-------------------|---|
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 221 | D | \$ 15.21 5,656 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 95 | D | \$ 15.2 5,561 | D |
| Celera Group Common Stock | 02/06/2008 | S(1) | 163 | D | \$ 15.19 5,398 | D |
| Celera Group Common Stock | 02/06/2008 | S(1) | 174 | D | \$ 15.18 5,224 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 53 | D | \$ 15.17 5,171 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 42 | D | \$ 15.16 5,129 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 32 | D | \$ 15.15 5,097 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 216 | D | \$ 15.14 4,881 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 91 | D | \$ 15.13 4,790 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 43 | D | \$ 15.12 4,747 | D |
| Celera Group Common | 02/06/2008 | S(1) | 75 | D | \$ 4,672 15.11 | D |

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| Stock | | | | | | |
|------------------------------------|------------|--------------|----|---|-------------------|---|
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 72 | D | \$ 15.1 4,600 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 53 | D | \$ 15.09 4,547 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 63 | D | \$ 15.08 4,484 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 11 | D | \$ 4,473 15.05 | D |
| Celera Group Common Stock | 02/06/2008 | S <u>(1)</u> | 32 | D | \$ 4,441 15.01 | D |

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)

$\label{thm:convertible} \textbf{Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned} \\ \textit{(e.g., puts, calls, warrants, options, convertible securities)}$

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | and | 8. Price of |
|-------------|-------------|---------------------|--------------------|------------|------------|------------------|--------------|-----------|----------|-------------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transact | ionNumber | Expiration D | ate | Amoun | nt of | Derivative |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underl | ying | Security |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivativ | e | | Securit | ies | (Instr. 5) |
| | Derivative | | | | Securities | | | (Instr. 3 | 3 and 4) | |
| | Security | | | | Acquired | | | | | |
| | • | | | | (A) or | | | | | |
| | | | | | Disposed | | | | | |
| | | | | | of (D) | | | | | |
| | | | | | (Instr. 3, | | | | | |
| | | | | | 4, and 5) | | | | | |
| | | | | | | | | | | |
| | | | | | | | | 1 | Amount | |
| | | | | | | Date | Expiration | | or | |
| | | | | | | Exercisable Date | Title Number | | | |
| | | | | | | | | | of | |
| | | | | Code V | (A) (D) | | | | Shares | |

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

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

A PRI ER A CORPOR ATION

APPLERA CORPORATION 301 MERRITT 7 NORWALK, CT 06851-1070



Signatures

/s/ Thomas P. Livingston, Attorney-in-Fact for Richard H. Ayers

02/08/2008

**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) Reflects sale by independent third-party administrator under the issuer's Insider Diversification Program.
- (2) The reporting person is a co-trustee of the Suzanne L. Ayers Living Trust, a trust for the benefit of the reporting person's wife.

Remarks:

This is the second of three forms being filed by the reporting person on February 8, 2008.

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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