Fritsch Ursula Form 4 March 05, 2010

FORM 4

OMB APPROVAL

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

OMB Number:

if no longer subject to Section 16. Form 4 or

Check this box

3235-0287 January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction

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 * Fritsch Ursula

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Anthera Pharmaceuticals Inc

[ANTH]

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

Director 10% Owner X_ Officer (give title Other (specify

(Check all applicable)

(Month/Day/Year)

03/04/2010

below) VP, Glob. Reg. & Compliance

C/O ANTHERA PHARMACEUTICALS, INC., 25801 INDUSTRIAL BOULEVARD, SUITE B

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

HAYWARD, CA 94545

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any

3. 4. Securities Acquired 5. Amount of Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

6. Ownership 7. Nature of Form: Direct Indirect Securities Beneficially (D) or Beneficial Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported

(A) or

Transaction(s) (Instr. 3 and 4)

73,115

Code Amount

(D) Price

Common Stock

03/04/2010

 \mathbf{C} 17,523 Α <u>(1)</u>

D

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

(Month/Day/Year)

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SEC 1474

(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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Series A-1 Convertible Preferred Stock	<u>(1)</u>	03/04/2010		С	17,523	<u>(1)</u>	(2)	Common Stock	17,523

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Fritsch Ursula

C/O ANTHERA PHARMACEUTICALS, INC. 25801 INDUSTRIAL BOULEVARD, SUITE B HAYWARD, CA 94545

VP, Glob. Reg. & Compliance

Signatures

/s/ Mitzi Chang, by power of attorney for Ursula Fritsch

03/05/2010

**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) Each share of Series A-1 Convertible Preferred Stock was automatically converted into one share of Common Stock upon the closing of the Issuer's initial public offering.
- (2) The Series A-1 Convertible Preferred Stock has no expiration date.

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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