Regulus Therapeutics Inc.

Form 4

August 22, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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 *

ALNYLAM

PHARMACEUTICALS, INC.

(Last)

(First)

300 THIRD STREET, 3RD FLOOR

(Street)

2. Issuer Name and Ticker or Trading

Symbol

(Middle)

Regulus Therapeutics Inc. ["RGLS"]

3. Date of Earliest Transaction

4. If Amendment, Date Original

(Month/Day/Year) 08/20/2014

Filed(Month/Day/Year)

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

5. Relationship of Reporting Person(s) to

(Check all applicable)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

Issuer

CAMBRIDGE, MA 02142

| (City) | (State) | (Zip) Tabl | e I - Non-I | Derivative | Secu | rities Acqu | ired, Disposed of | , or Beneficiall | y Owned |
|--------------------------------------|--------------------------------------|---|--|---------------------------------------|------------------------------|---------------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactio Code (Instr. 8) | 4. Securi on(A) or D (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) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 08/20/2014 | | S(1) | 3,000 | D | \$ 7.1412 (2) | 6,090,400 | D | |
| Common Stock | 08/21/2014 | | S(1) | 2,500 | D | \$ 6.8889 (3) | 6,087,900 | D | |
| Common Stock | 08/22/2014 | | S(1) | 5,250 | D | \$ 6.751 (4) | 6,082,650 | D | |

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

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displays a currently valid OMB control number.

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 | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | isable and | 7. Titl | e and | 8. Price of | 9 |
|-------------|-------------|---------------------|--------------------|------------|------------|------------------|------------|---------|----------------|-------------|---|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transacti | orNumber | Expiration Da | ate | Amou | nt of | Derivative | J |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | 5 |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Secur | ities | (Instr. 5) |] |
| | Derivative | | | | Securities | | | (Instr. | 3 and 4) | | (|
| | Security | | | | Acquired | | | | | | J |
| | | | | | (A) or | | | | | | J |
| | | | | | Disposed | | | | | | 7 |
| | | | | | of (D) | | | | | | (|
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A 4 | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | T:41- | or Namelana | | |
| | | | | | | Exercisable Date | Date | Title | Number | | |
| | | | | C 1 W | (A) (D) | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

ALNYLAM PHARMACEUTICALS, INC. 300 THIRD STREET, 3RD FLOOR CAMBRIDGE. MA 02142

X

Signatures

/s/ Christopher Aker, Attorney-in Fact

08/22/2014

**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) The sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 22, 2014.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$7.02 to \$7.38 inclusive. The reporting person undertakes to provide to RGLS, any security holder of RGLS, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote to this Form 4.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$6.84 to \$6.99 inclusive. The reporting person undertakes to provide to RGLS, any security holder of RGLS, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote to this Form 4.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$6.63 to \$6.88 inclusive. The reporting person undertakes to provide to RGLS, any security holder of RGLS, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote to this Form 4.

Reporting Owners 2

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