FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| Check this box if no longer subject to |
|--|
| Section 16. Form 4 or Form 5 |
| obligations may continue. See |
| Instruction 1(h) |

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| Name and Address of Reporting Person* Cole Douglas G. | | | | | | 2. Issuer Name and Ticker or Trading Symbol Editas Medicine, Inc. [EDIT] | | | | | | | Relationship eck all applice X | cable) | g Pers | on(s) to Issu 10% Ow | |
|--|---|--|--|---|-------------------|--|--|--------------------------------------|--|--|--|--|---|--|---|--|--|
| (Last) (First) (Middle) C/O EDITAS MEDICINE, INC. | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 06/15/2017 | | | | | | | Officer below) | (give title | | Other (s below) | pecify |
| 11 HURLEY ST. | | | | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | 6. Individual or Joint/Group Filing (Check Applicable Line) | | | | |
| (Street) CAMBRIDGE MA 0214 | | | 02141 | | | | | | | | | | Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| (City) | (State) (Zip) | | | | | | | | | | | | | | | | |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | | | | | | | |
| 1. Title of Security (Instr. 3) 2. Transac Date (Month/Date) | | | | | ar) i | 2A. Deemed Execution Date, if any (Month/Day/Year | | Transaction Disposed Code (Instr. 5) | | ities Acquired (A) or d Of (D) (Instr. 3, 4 a | | Benefici | s ally following | Form (D) o | rm: Direct) or Indirect (Instr. 4) | 7. Nature of Indirect Beneficial Ownership | |
| | | | | | | | | | Code V | Amount | (A) or (D) | Price | Transact (Instr. 3 | ion(s) | | | Instr. 4) |
| 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 Da if any (Month/Day/Y | C | ransac ode (li | | 5. Number of 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 Amoun of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | C | ode | v | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | | |
| Stock Option (right to buy) | \$15.63 | 06/15/2017 | | | A | | 11,538 | | (1) | 06/14/2027 | Common Stock | 11,538 | \$0 | 11,538 | 8 | D | |

Explanation of Responses:

1. This option was granted on June 15, 2017 and is scheduled to vest in full on June 15, 2018.

/s/ Anthony Joyce, attorney-infact

06/19/2017

** Signature of Reporting Person

Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.