

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)	Code V Transaction Code (Instr. 8)	4. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Date Exercisable or Expiration Date (Month/Day/Year)	6. Date of Expiration (Month/Day/Year)	7. Title and Amount 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)

1. Name and Address of Reporting Person*

[RA Capital Healthcare Fund LP](#)

(Last) (First) (Middle)
[C/O RA CAPITAL MANAGEMENT, LLC](#)
[20 PARK PLAZA, SUITE 1200](#)

(Street)
[BOSTON MA 02116](#)

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[Kolchinsky Peter](#)

(Last) (First) (Middle)
[C/O RA CAPITAL MANAGEMENT, LLC](#)
[20 PARK PLAZA, SUITE 1200](#)

(Street)
[BOSTON MA 02116](#)

(City) (State) (Zip)

Explanation of Responses:

1. The reported securities are owned by RA Capital Healthcare Fund, L.P. (the "Fund"). RA Capital Management, LLC (the "Adviser") is the general partner of the Fund, and Peter Kolchinsky is the sole manager of the Adviser. The Adviser and Mr. Kolchinsky disclaim beneficial ownership of the reported securities in reliance on Rule 16a-1(a)(1)(v) and (vii), respectively, and therefore disclaim any obligation to report ownership of the reported securities other than on behalf of the Fund. The filing of this Form 4 shall not be construed as an admission that either the Adviser or Mr. Kolchinsky is or was, for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise, the beneficial owner of any of the securities reported herein. The number of shares reported in Col 5 of Table I and the number of options reported in Col 9 of Table II reflect the number of shares or options, as applicable, beneficially owned by the Fund as of the time of the last transaction reported herein.

2. On January 29, 2014, the Fund became a beneficial owner of more than ten percent of the outstanding shares the issuer's common stock and therefore became subject to Section 16 of the Securities Exchange Act of 1934. On August 1, 2014, the Fund ceased to be a beneficial owner of more than ten percent of the outstanding shares of the issuer's common stock and ceased to be subject to Section 16.

[/s/ Peter Kolchinsky, Manager of RA Capital Management, LLC](#) [02/18/2015](#)

[/s/ Peter Kolchinsky, Manager of RA Capital Management, LLC, the General Partner of RA Capital Healthcare Fund, L.P.](#) [02/18/2015](#)

[/s/ Peter Kolchinsky, individually](#) [02/18/2015](#)

** 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.