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| OMB APPROVAL | |
| OMB Number: | 3235-0287 |
| Estimated average burden hours per response: | 0.5 |

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

| | | |
|---|---|--|
| 1. Name and Address of Reporting Person* <u>Avalon Ventures X, L.P.</u> (Last) (First) (Middle) 11099 N. TORREY PINES ROAD, SUITE 290 (Street) LA JOLLA CA 92037 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Synthorx, Inc. [THOR]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below) |
| | 3. Date of Earliest Transaction (Month/Day/Year) 12/11/2018 | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

Table I - Non-Derivative Securities Acquired, 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. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 12/11/2018 | | C | | 1,281,664 ⁽¹⁾ | A | (1) | 1,468,901 | D ⁽²⁾ | |
| Common Stock | 12/11/2018 | | C | | 762,617 ⁽¹⁾ | A | (1) | 2,231,518 | D ⁽²⁾ | |
| Common Stock | 12/11/2018 | | C | | 2,517,278 ⁽¹⁾ | A | (1) | 4,748,796 | D ⁽²⁾ | |
| Common Stock | 12/11/2018 | | C | | 1,136,631 ⁽¹⁾ | A | (1) | 1,136,631 | I ⁽²⁾ | By Avalon X SPV I, L.P. |
| Common Stock | 12/11/2018 | | P ⁽³⁾ | | 545,455 | A | \$11 | 1,682,086 | I ⁽²⁾ | By Avalon X SPV I, L.P. |

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. Transaction Code (Instr. 8) | | 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 Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 9) | 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) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----------|--|-----------------|---|----------------------------|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Series A Preferred Stock | (1) | 12/11/2018 | | C | | | 2,053,534 | (1) | (1) | Common Stock | 1,281,664 | \$0.00 | 0 | D ⁽²⁾ | |
| Series B Preferred Stock | (1) | 12/11/2018 | | C | | | 1,221,896 | (1) | (1) | Common Stock | 762,617 | \$0.00 | 0 | D ⁽²⁾ | |
| Series C Preferred Stock | (1) | 12/11/2018 | | C | | | 4,033,283 | (1) | (1) | Common Stock | 2,517,278 | \$0.00 | 0 | D ⁽²⁾ | |
| Series C Preferred Stock | (1) | 12/11/2018 | | C | | | 1,821,156 | (1) | (1) | Common Stock | 1,136,631 | \$0.00 | 0 | I ⁽²⁾ | By Avalon X SPV I, L.P. |

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| 1. Name and Address of Reporting Person* | | |
| Avalon Ventures X, L.P. | | |
| (Last) | (First) | (Middle) |
| 11099 N. TORREY PINES ROAD, SUITE 290 | | |
| (Street) | | |
| LA JOLLA | CA | 92037 |
| (City) (State) (Zip) | | |

| | | |
|--|---------|----------|
| 1. Name and Address of Reporting Person* | | |
| Avalon X SPV, L.P. | | |
| (Last) | (First) | (Middle) |
| 11099 N. TORREY PINES ROAD, SUITE 290 | | |
| (Street) | | |
| LA JOLLA | CA | 92037 |
| (City) (State) (Zip) | | |

Explanation of Responses:

- Automatic conversion, in connection with the Issuer's initial public offering, of preferred stock into shares of common stock on a 1.60224-to-1 basis. The shares have no expiration date.
- Avalon Ventures X GP LLC ("Avalon X GP") and Avalon Ventures X SPV GP LLC ("Avalon X SPV GP") are general partners of Avalon Ventures X, L.P. ("Avalon Ventures") and Avalon X SPV I, L.P. ("Avalon SPV") and may be deemed to have voting and investment power with respect to the shares held by Avalon Ventures and Avalon SPV and as a result may be deemed to have beneficial ownership of such shares.
- The shares were purchased at the Issuer's initial public offering.

Remarks:

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|---|----------------------------|
| /s/ Jay Lichter, Authorized Signatory | 12/13/2018 |
| /s/ Jay Lichter, Authorized Signatory | 12/13/2018 |

** 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.