

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

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| 1. Name and Address of Reporting Person* <u>Atlas Venture Opportunity Fund III, L.P.</u> (Last) (First) (Middle) ATLAS VENTURE 300 TECHNOLOGY SQUARE, 8TH FLOOR (Street) CAMBRIDGE MA 02139 (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) 05/26/2026 | 3. Issuer Name and Ticker or Trading Symbol <u>Q32 Bio Inc. [QTTB]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) See Remarks | 5. If Amendment, Date of Original Filed (Month/Day/Year) |
| | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 625,000 | D ⁽¹⁾ | |

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |
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| 1. Name and Address of Reporting Person* <u>Atlas Venture Opportunity Fund III, L.P.</u> (Last) (First) (Middle) ATLAS VENTURE 300 TECHNOLOGY SQUARE, 8TH FLOOR (Street) CAMBRIDGE MA 02139 (City) (State) (Zip) |
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| 1. Name and Address of Reporting Person* <u>Atlas Venture Associates Opportunity III, L.P.</u> (Last) (First) (Middle) 300 TECHNOLOGY SQ., 8TH FLOOR (Street) CAMBRIDGE MA 02139 (City) (State) (Zip) |
|---|

1. Name and Address of Reporting Person*

Atlas Venture Associates Opportunity III, LLC

(Last) (First) (Middle)

300 TECHNOLOGY SQ., 8TH FLOOR

(Street)

CAMBRIDGE MA 02139

(City)

(State)

(Zip)

Explanation of Responses:

1. The shares are owned directly by Atlas Venture Opportunity Fund III, L.P. ("AVOF III"). Atlas Venture Associates Opportunity III, L.P. ("AVAO III LP") is the general partner of AVOF III. Atlas Venture Associates Opportunity III, LLC ("AVAO III LLC") is the general partner of AVAO III LP. Each of AVAO III LP and AVAO III LLC disclaims beneficial ownership of the securities held by AVOF III, except to the extent of its pecuniary interest therein, if any.

Remarks:

The Reporting Persons are under common control with other entities affiliated with Atlas Venture who, together with the Reporting Persons, collectively beneficially own in the aggregate greater than 10% of the outstanding common stock of the Issuer. The Reporting Persons may be deemed to be members of a "group" with such other entities for purposes of Section 13 of the Exchange Act. However, the Reporting Persons disclaim such group membership, and this Form 3 shall not be deemed an admission that the Reporting Persons are members of a group for purposes of Section 13 of the Exchange Act or for any other purposes.

Atlas Venture Opportunity Fund III, L.P., By: Atlas Venture Associates Opportunity III, L.P., its general partner, By: Atlas Venture Associates Opportunity III, LLC, its general partner, By: /s/ Ommer Chohan, Chief Financial Officer 06/08/2026

Atlas Venture Associates Opportunity III, L.P., By: Atlas Venture Associates Opportunity III, LLC, its general partner, By: /s/ Ommer Chohan, Chief Financial Officer 06/08/2026

Atlas Venture Associates Opportunity III, LLC, By: /s/ Ommer Chohan, Chief Financial Officer 06/08/2026

** 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 5 (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.