FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL 3235-0104 OMB Number:

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

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 Addres	2. Date of Event Requiring Statement (Month/Day/Year) 03/25/2024			3. Issuer Name and Ticker or Trading Symbol Q32 Bio Inc. [QTTB]								
(Last) (First) (Middle) 601 LEXINGTON AVENUE, 54TH FLOOR						4. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director X 10% Owner			5. If Amendment, Date of Original Filed (Month/Day/Year)			
(Street) NEW YORK	,	10022	_			Officer (give title below)	Othe belo	er (specify w)	(Cł	heck Applicable Form filed Person	by One Reporting by More than One	
(City) (Sta	ite)	(Zip)										
Table I - Non-Derivative Securities Beneficially Owned												
1. Title of Security (Instr. 4)						2. Amount of Securities Beneficially Owned (Instr. I)	Form (D) o			4. Nature of Indirect Beneficial Ownership (Instr. 5)		
Common Stock						2,252,987		1 1		y OrbiMed Private Investments II, LP ⁽¹⁾⁽²⁾		
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. Conve or Exe	rcise		6. Nature of Indirect Beneficial Ownership (Instr. 5)	
			Date Exercisable		piration	Title	Amour or Number of Shares	Deriva Secur	tive	or Indirect (I) (Instr. 5)	3,	
1. Name and Addres	-	-										
(Last) 601 LEXINGTO	(First) ON AVEN	,	ddle) LOOR									
(Street) NEW YORK	_											
(City)	(State)	(Zip										
1. Name and Address of Reporting Person* OrbiMed Capital GP VII LLC												
(Last) (First) (Middle) 601 LEXINGTON AVENUE, 54TH FLOOR												
(Street) NEW YORK NY 10022												

Explanation of Responses:

(State)

(Zip)

(City)

Advisors LLC ("OrbiMed Advisors"), is the managing member of GP VII. By virtue of such relationships, OrbiMed Advisors and GP VII may be deemed to have voting power and investment power over the securities held by OPI VII and, as a result, may be deemed to have beneficial ownership over such securities. OrbiMed Advisors exercises voting and investment power through a management committee comprised of Carl L. Gordon, Sven H. Borho, and W. Carter Neild, each of whom disclaims beneficial ownership of the securities held by OPI VII.

2. Each of OrbiMed Advisors and GP VII disclaims beneficial ownership of the securities reported herein for purposes of Rule 16a-1(a) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), except to the extent of its pecuniary interest therein, if any. OrbiMed Advisors and GP VII have designated a representative, Diyong Xu, to serve on the Issuer's board of directors. This report shall not be deemed an admission that any such person or entity, including the Reporting Persons, is a beneficial owner of such securities for the purpose of Section 16 of the Exchange Act, or for any other purpose.

ORBIMED ADVISORS

LLC, By: /s/ Douglas Coon, Chief Compliance

03/27/2024

Officer

ORBIMED CAPITAL GP

VII LLC, By: /s/ Douglas Coon, Chief Compliance

03/27/2024

Officer

** 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.