UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G*

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO \S 240.13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO \S 240.13d-2

(Amendment No. 1)*

2seventy bio, Inc.
(Name of Issuer)
Common Stock, par value \$0.0001 per share (the "Shares")
(Title of Class of Securities)
901384107
(CUSIP Number)
December 31, 2023
(Date of Event Which Requires Filing of the Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed: Rule 13d-1(b) Rule 13d-1(c) Rule 13d-1(d) * The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for
any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.
The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1.	NAME OF REPORTING PERSONS			
	Citadel Advisors LLC			
2.	CHECK THE	APPROPRI <i>E</i>	ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ONI	LY		
4.	CITIZENSHIP	OR PLACE	OF ORGANIZATION	
	Delaware			
		5.	SOLE VOTING POWER	
NILIMI	ED OF		0	
SHA	ER OF RES	6.	SHARED VOTING POWER	
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EA REPO		7.	SOLE DISPOSITIVE POWER	
PERSON WITH			0	
		8.	SHARED DISPOSITIVE POWER	
	_		See Row 6 above	
9.	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	See Row 6 abo	ove		
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11.	PERCENT OF	CLASS RE	PRESENTED BY AMOUNT IN ROW (9)	
11.		CL/100 KL	TREED BY THROUNT IN ROW (7)	
12	0.0% ¹	ODTRIC	EDCON	
12.	TYPE OF REP	OKTING PE	EKSUN	
	IA: OO: HC			

The percentages reported in this Schedule 13G are based upon 50,624,606 Shares outstanding as of November 8, 2023 (according to the issuer's Form 10-Q/A as filed with the Securities and Exchange Commission on December 1, 2023).

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1.	NAME OF REPORTING PERSONS			
	Citadel Advisor	rs Holdings	s LP	
2.	CHECK THE A	PPROPRI <i>A</i>	ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ONLY	Y		
4.	CITIZENSHIP (OR PLACE	OF ORGANIZATION	
	Delaware			
		5.	SOLE VOTING POWER 0	
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REPO PER	CH RTING SON TH	7.	SOLE DISPOSITIVE POWER 0	
		8.	SHARED DISPOSITIVE POWER See Row 6 above	
9.	AGGREGATE A		BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11.		CLASS RE	PRESENTED BY AMOUNT IN ROW (9)	
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12.	TYPE OF REPO	JKTING PE	EKSUN	
	PN; HC			

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1.	NAME OF RE	PORTING F	PERSONS	
	Citadel GP LI	LC		
2.	CHECK THE A	APPROPRIA	ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ONL	У		
4.	CITIZENSHIP OR PLACE OF ORGANIZATION			
	Delaware			
	•	5.	SOLE VOTING POWER	
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V	VITH -	8.	SHARED DISPOSITIVE POWER	
			See Row 6 above	
9.	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	See Row 6 abo	ove		
10.	CHECK IF TH	E AGGREC	GATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11.	PERCENT OF	CLASS RE	PRESENTED BY AMOUNT IN ROW (9)	
	0.0%			
12.	TYPE OF REP	ORTING PI	ERSON	
	оо; нс			

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1. N.	AME OF REPORTI	ING PI	ERSONS	
Ci	itadel Securities Ll	LC		
2. CI	HECK THE APPRO	OPRIA	TE BOX IF A MEMBER OF A GROUP	(a)
3. SI	EC USE ONLY			
4. CI	ITIZENSHIP OR PI	LACE	OF ORGANIZATION	
D	elaware			
		5.	SOLE VOTING POWER	
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NUMBER SHARE BENEFICIA	ES	6.	SHARED VOTING POWER	
OWNED EACH			146,401 Shares	
REPORTI	ING	7.	SOLE DISPOSITIVE POWER	
PERSO WITH]		0	
	:	8.	SHARED DISPOSITIVE POWER	
			See Row 6 above	
9. A	GGREGATE AMO	UNT E	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
Se	ee Row 6 above			
10. CI	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11. PI	ERCENT OF CLAS	S REP	PRESENTED BY AMOUNT IN ROW (9)	
0.	3%			
12. T	YPE OF REPORTIN	NG PE	RSON	
\mathbf{B}^{1}	D; 00			

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EPORTING I	PERSONS	
rities Group	LP	
APPROPRIA	ATE BOX IF A MEMBER OF A GROUP	(a)
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CITIZENSHIP OR PLACE OF ORGANIZATION		
5.	SOLE VOTING POWER	
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6.	SHARED VOTING POWER	
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1.	NAME OF REI	PORTING I	PERSONS		
	Citadel Securit	ties GP LL	\mathbf{c}		
2.	CHECK THE A	APPROPRI	ATE BOX IF A MEMBER OF A GROUP	(a)	
3.	SEC USE ONL	Y			
4.	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Delaware				
	•	5.	SOLE VOTING POWER 0		
SI BENE	MBER OF HARES EFICIALLY 'NED BY	6.	SHARED VOTING POWER 146,401 Shares		
I Ref Pi	EACH PORTING ERSON	7.	SOLE DISPOSITIVE POWER 0		
	WITH -	8.	SHARED DISPOSITIVE POWER See Row 6 above		
9.			BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10.	See Row 6 above CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11.	PERCENT OF	CLASS RE	EPRESENTED BY AMOUNT IN ROW (9)		
	0.3%				
12.	TYPE OF REPO	ORTING PI	ERSON		

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1.	NAME OF RE	PORTING F	PERSONS	
	Kenneth Griff	fin		
2.	CHECK THE	APPROPRI <i>i</i>	ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ONI	LY		
4.	CITIZENSHIP OR PLACE OF ORGANIZATION			
	U.S. Citizen			
	•	5.	SOLE VOTING POWER	
) II D	MED OF		0	
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WITH		8.	SHARED DISPOSITIVE POWER	
			See Row 6 above	
9.	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	See Row 6 abo	ove		
10.	CHECK IF TH	IE AGGREC	GATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11.	PERCENT OF	CLASS RE	PRESENTED BY AMOUNT IN ROW (9)	
	0.3%			
12.	TYPE OF REF	PORTING PI	ERSON	
	IN; HC			

Item 1(a). Name of Issuer:

2seventy bio, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:

60 Binney Street, Cambridge, MA 02142 United States

Item 2(a). Name of Person Filing:

This Schedule 13G is being jointly filed by Citadel Advisors LLC ("Citadel Advisors"), Citadel Advisors Holdings LP ("CAH"), Citadel GP LLC ("CGP"), Citadel Securities LLC ("Citadel Securities"), Citadel Securities Group LP ("CALC4"), Citadel Securities GP LLC ("CSGP") and Mr. Kenneth Griffin (collectively with Citadel Advisors, CAH, CGP, Citadel Securities, CALC4 and CSGP, the "Reporting Persons") with respect to the Shares of the above-named issuer owned by Citadel Securities. Such owned Shares may include other instruments exercisable for or convertible into Shares.

CAH is the sole member of Citadel Advisors. CGP is the general partner of CAH. CALC4 is the non-member manager of Citadel Securities. CSGP is the general partner of CALC4. Mr. Griffin is the President and Chief Executive Officer of CGP, and owns a controlling interest in CGP and CSGP.

The filing of this statement shall not be construed as an admission that any of the Reporting Persons is the beneficial owner of any securities covered by the statement other than the securities actually owned by such person (if any).

Item 2(b). Address or Principal Business Office or, if none, Residence:

The address of each of the Reporting Persons is Southeast Financial Center, 200 S. Biscayne Blvd., Suite 3300, Miami, Florida 33131.

Item 2(c). Citizenship:

Each of Citadel Advisors, CGP, Citadel Securities and CSGP is organized as a limited liability company under the laws of the State of Delaware. Each of CALC4 and CAH is organized as a limited partnership under the laws of the State of Delaware. Mr. Griffin is a U.S. citizen.

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.0001 per share

Item 2(e). CUSIP Number:

901384107

tem 3.	If this	s stateme	nt is filed pursuant to §§ 240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:
	(a)		Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780);
	(b)		Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c);
	(c)		Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c);
	(d)		Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
	(e)		An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
	(f)		An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
	(g)		A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
	(h)		A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
	(i)		A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment
			Company Act (15 U.S.C. 80a-3);
	(j)		A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);
	(k)		Group, in accordance with § 240.13d-1(b)(1)(ii)(K).
	If filir	ng as a no	n-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
tem 4.	Owne	ership:	
	A.	Citade	el Advisors LLC, Citadel Advisors Holdings LP and Citadel GP LLC
		(a)	Each of Citadel Advisors LLC, Citadel Advisors Holdings LP and Citadel GP LLC may be deemed to beneficially own 0 Shares.
		(b)	The number of Shares that each of Citadel Advisors LLC, Citadel Advisors Holdings LP and Citadel GP LLC may be deemed to beneficially own constitutes 0.0% of the Shares outstanding.
		(c)	Number of Shares as to which such person has:
			(i) sole power to vote or to direct the vote: 0
			(ii) shared power to vote or to direct the vote: 0

sole power to dispose or to direct the disposition of: 0

shared power to dispose or to direct the disposition of: 0

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(iii)

(iv)

- B. Citadel Securities LLC
 - (a) Citadel Securities LLC may be deemed to beneficially own 146,401 Shares.
 - (b) The number of Shares that Citadel Securities LLC may be deemed to beneficially own constitutes 0.3% of the Shares outstanding.
 - (c) Number of shares of Shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0
 - (ii) shared power to vote or to direct the vote: 146,401
 - (iii) sole power to dispose or to direct the disposition of: 0
 - (iv) shared power to dispose or to direct the disposition of: 146,401
- C. Citadel Securities Group LP and Citadel Securities GP LLC
 - (a) Each of Citadel Securities Group LP and Citadel Securities GP LLC may be deemed to beneficially own 146,401 Shares.
 - (b) The number of Shares that each of Citadel Securities Group LP and Citadel Securities GP LLC may be deemed to beneficially own constitutes 0.3% of the Shares outstanding.
 - (c) Number of Shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0
 - (ii) shared power to vote or to direct the vote: 146,401
 - (iii) sole power to dispose or to direct the disposition of: 0
 - (iv) shared power to dispose or to direct the disposition of: 146,401

D. Kenneth Griffin

- (a) Mr. Griffin may be deemed to beneficially own 146,401 Shares.
- (b) The number of Shares that Mr. Griffin may be deemed to beneficially own constitutes 0.3% of the Shares outstanding.
- (c) Number of Shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0
 - (ii) shared power to vote or to direct the vote: 146,401
 - (iii) sole power to dispose or to direct the disposition of: 0
 - (iv) shared power to dispose or to direct the disposition of: 146,401

Item 5. Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following.

Item 6. Ownership of More Than Five Percent on Behalf of Another Person:

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company:

Not Applicable

Item 8. Identification and Classification of Members of the Group:

Not Applicable

Item 9. Notice of Dissolution of Group:

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

CUSIP No. 901384107	
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Dated February 14, 2024.

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Seth Levy, attorney-in-fact*

SIGNATURE

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After reasonable inquiry and to the best of its knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

CITADEL SECURITIES LLC CITADEL ADVISORS LLC By: /s/ Guy Miller By: /s/ Seth Levy Guy Miller, Authorized Signatory Seth Levy, Authorized Signatory CITADEL SECURITIES GROUP LP CITADEL ADVISORS HOLDINGS LP By: /s/ Guy Miller By: /s/ Seth Levy Guy Miller, Authorized Signatory Seth Levy, Authorized Signatory CITADEL SECURITIES GP LLC CITADEL GP LLC By: /s/ Guy Miller By: /s/ Seth Levy Guy Miller, Authorized Signatory Seth Levy, Authorized Signatory KENNETH GRIFFIN By: /s/ Seth Levy

^{*} Seth Levy is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Advisors LLC on Schedule 13G for Allakos Inc. on October 13, 2023.