FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

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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

Name and Address of Reporting Person* Leschly Nick						2. Issuer Name and Ticker or Trading Symbol 2seventy bio, Inc. [TSVT]										5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
Lesciny												X Direct	tor		10% Ow		ner					
(Last) (First) (Middle) 60 BINNEY STREET					3. Date of Earliest Transaction (Month/Day/Year) 08/22/2023									7	X Officer (give title below) Other (specify below) President and CEO					ecify		
						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. In	6. Individual or Joint/Group Filing (Check Applicable						
(Street) CAMBRIDGE MA 02142																Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City) (State) (Zip)					Rule 10b5-1(c) Transaction Indication																	
					Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.															ded to		
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/Yea		C	ransaction E Code (Instr.			4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 ar				Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Cd	ode	v	An	nount	(A) or (D)	Pric	ce	Reported Transacti (Instr. 3 a	on(s)					
Common Stock 08/22/2								S	S ⁽¹⁾	(1)		9,312	D	\$5.4865(2)		1,159,342		D				
Common Stock																15,233		I		Nick Leschly 2001 Trust		
Common Stock																41,000		I		Nick Leschly Irrevocable GST Trust of 2019		
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)	ative Conversion Date Executi rity or Exercise (Month/Day/Year) if any			Date,		ansaction of Derivat Securit Acquir (A) or Dispos of (D) (Instr. and 5)		rative rities nired r osed)	Expiration (Month/Da ies ed			ate	Am Sec Un Der Sec	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5) 9. Num derivat Security Benefic Owned Following Report Transa (Instr. 4)		ve ies Form: Direct (or Indir ng ed etion(s)		hip D) ect	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	e V	(A)	(D)	Da Ex	ate cercisa	ble	Expiration Date	n Titl	of								

Explanation of Responses:

- 1. Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.
- 2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$5.46 to \$5.535, inclusive. The Reporting Person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.

Remarks:

/s/ Teresa Jurgensen, 08/24/2023 Attorney-in-Fact

** 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.