FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| wasnington, D.C. 20549 | |
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| OMB APPROVAL | | | | | | | | | | |
|--------------------------|-------|--|--|--|--|--|--|--|--|--|
| OMB Number: 3235-028 | | | | | | | | | | |
| 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).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 1005-

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(0). See | e Instruction | 10. | | | | | | | | | | | | | | | | | | |
|--|---|---------|-------|---|---|---|--------|-----------------|--|---|--------------------|---------------|---|--|--------|--|---------------------------------------|--------------------------------------|---|--|
| Name and Address of Reporting Person* Mayor Morroals V | | | | | 2. Issuer Name and Ticker or Trading Symbol 2seventy bio, Inc. [TSVT] | | | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | | | |
| Maus Marcela V. | | | | | | 250 (510) 110 (15 (1) | | | | | | | | 1 | Direc | tor | | 10% O\ | vner | |
| (Last) (First) (Middle) 2SEVENTY BIO, INC. | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 11/18/2024 | | | | | | | | | Office | er (give title | | Other (s | specify | |
| 60 BINNE | EY STREI | ET | | | 4 15 | | | | | | | | | | | | | | | |
| | | | | | 4. If A | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | 6. Individual or Joint/Group Filing (Check Applicable Line) | | | | | | |
| (Street) | | | | | | | | | | | | | | Form filed by One Reporting Person | | | | | | |
| CAMBRIDGE MA 02142 | | | | | | | | | | | | | Form filed by More than One Reporting Person | | | | | | | |
| (City) | (St | ate) (Z | Zip) | | | | | | | | | | | | | | | | | |
| | | Table | I - N | on-Deriva | tive | Secur | rities | Ac | quire | d, Di | sposed of | , or E | Benefic | ally | Own | ed | | | | |
| 1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Y | | | | | Year) | Execution Date, | | · | 3. Transaction Code (Instr. 8) 4. Securities Acqu Disposed Of (D) (Ir | | | | | | | 5. Amount of Securities Beneficially Owned Following Reported | | n: Direct or Indirect nstr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | | | | | | | Code | v | Amount | (A) or (D) | Price | Tra | | nsaction(s) tr. 3 and 4) | | | (111341. 4) | |
| Common Stock 11/18/ | | | | 11/18/20 |)24 | | | | S | | 3,900 | D | \$3.380 | .3801(1) | | 23,752 | | D | | |
| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) | | | | | | | | | | | | | | | | | | | | |
| Derivative Security (Instr. 3) | rivative Conversion Date Execution Date, curity or Exercise (Month/Day/Year) if any | | | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | Expiration Date | | 7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4) | | Der Sec | rice of ivative curity ctr. 5) | 9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | y | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) | | | |
| | | | | | Code | v | (A) | (D) | Date Exerc | cisable | Expiration Date | Title | or Number of Shares | | | | | | | |

Explanation of Responses:

1. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$3.37 to \$3.39, 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/ Iya Kessler, Attorney-in-Fact

11/20/2024

a atl. .

** 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.