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## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| 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

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

## OMB APPROVAL

OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

| 1. Name and Addre     | 1 0              | Person <sup>*</sup> | 2. Issuer Name and Ticker or Trading Symbol<br>Day_One Biopharmaceuticals, Inc. [ DAWN | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) |  |                       |  |  |
|-----------------------|------------------|---------------------|--|---|--|-----------------------|--|--|
| Bender Jeren          | <u>ny</u>        |                     |  | X   | Director   | 10% Owner             |  |  |
| (Last)                | (First) (Middle) |                     | — []   | X   | Officer (give title below)                         | Other (specify below) |  |  |
| 395 OYSTER P          | ( )              | ( )                 | 3. Date of Earliest Transaction (Month/Day/Year)<br>09/01/2022                         |   | Chief Executive Officer                            |                       |  |  |
| (Street)<br>SOUTH SAN | СА               | 94080               | 4. If Amendment, Date of Original Filed (Month/Day/Year)                               | 6. Indiv<br>Line)<br>X  | vidual or Joint/Group Fili<br>Form filed by One Re | 5 ( II                |  |  |
| FRANCISCO             |                  |                     |  |   | Form filed by More th<br>Person                    |                       |  |  |
| (City)                | (State)          | (Zip)               |  |   |  |                       |  |  |

## Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| · · · · ·                       |  |  |   |   |        |               |                                  |  |  |   |  |  |
|---------------------------------|--|--|---|---|--------|---------------|----------------------------------|--|--|---|--|--|
| 1. Title of Security (Instr. 3) | of Security (Instr. 3)<br>Date<br>(Month/Day/Year) |  | 3.<br>Transaction<br>Code (Instr.<br>8) |   |        |               |                                  | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |  |
|                                 |  |  | Code                                    | v | Amount | (A) or<br>(D) | Price                            | Reported<br>Transaction(s)<br>(Instr. 3 and 4)                   |  |   |  |  |
| Common Stock                    | 09/01/2022   |  | <b>S</b> <sup>(1)</sup>                 |   | 10,641 | D             | <b>\$</b> 23.1514 <sup>(2)</sup> | 1,242,234  | D  |   |  |  |
| Common Stock                    | 09/01/2022   |  | <b>S</b> <sup>(1)</sup>                 |   | 1,859  | D             | \$23.7905 <sup>(3)</sup>         | 1,240,375  | D  |   |  |  |
| Common Stock                    |  |  |   |   |        |               |                                  | 281,574  | I  | See<br>Footnote <sup>(4)</sup>                                    |  |  |
| Common Stock                    |  |  |   |   |        |               |                                  | 281,574  | I  | See<br>Footnote <sup>(5)</sup>                                    |  |  |

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transa<br>Code (<br>8) |   | of<br>Deriv<br>Secu<br>Acqu<br>(A) or<br>Dispo<br>of (D)<br>(Instr | of Expirati |                     | Expiration Date<br>(Month/Day/Year) |       | e and<br>int of<br>rities<br>rlying<br>ative<br>rity (Instr.<br>4) | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---|---|--|---|------------------------------|---|--|-------------|---------------------|-------------------------------------|-------|--|---|--|--|--|
|   |   |  |   | Code                         | v | (A) (D)  |             | Date<br>Exercisable | Expiration<br>Date                  | Title | Amount<br>or<br>Number<br>of<br>Shares                             |   |  |  |  |

Explanation of Responses:

1. The transactions reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan previously adopted by the Reporting Person September 15, 2021.

2. The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$22.6900 to \$23.5200 per share, inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.

3. The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$23.7000 to \$23.9100 per share, inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.

4. Represents shares held by The Jeremy Bender 2022 Grantor Retained Annuity Trust under Irrevocable Trust Agreement dated March 29, 2022 of which the Reporting Person is trustee.

5. Represents shares held by The Melissa Bender 2022 Grantor Retained Annuity Trust under Irrevocable Trust Agreement dated March 29, 2022 of which the Reporting Person's spouse is trustee.

/s/ Charles N. York II, Attorney-in-Fact

09/06/2022

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 $^{\star}$  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.