

| OMB APPROVAL                                 |           |
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 Address of Reporting Person*<br><u>Black Jeffrey G.</u><br><br>(Last) (First) (Middle)<br>C/O STANDARD BIOTOOLS INC.<br>2 TOWER PLACE, STE 2000<br><br>(Street)<br>SOUTH SAN FRANCISCO CA 94080<br><br>(City) (State) (Zip)  | 2. Issuer Name and Ticker or Trading Symbol<br><u>STANDARD BIOTOOLS INC. [ LAB ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director _____ 10% Owner _____<br><input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____<br><u>SVP &amp; Chief Financial Officer</u> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>05/15/2024</u>                |   |
|  | 4. If Amendment, Date of Original Filed (Month/Day/Year)                             |   |
| Rule 10b5-1(c) Transaction Indication<br><input type="checkbox"/> 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. |  |   |

**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/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |        | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|--------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price  |   |  |   |
| Common Stock                    | 05/15/2024                           |  | M                              |   | 52,631  | A          | \$0    | 138,615   | D  |   |
| Common Stock                    | 05/15/2024                           |  | F                              |   | 18,779 <sup>(1)</sup>   | D          | \$2.54 | 119,836   | D  |   |

**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) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |        | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|--------|--|-----------------|---|--|--|---|--|-------|
|  |  |                                      |  | Code                           | V | (A)  | (D)    | Date Exercisable   | Expiration Date |   |  |  |   |  | Title |
| Common Stock                               | (2)  | 05/15/2024                           |  | M                              |   |  | 52,631 | (3)  | (3)             | Common Stock  | 52,631                                     | \$0  | 157,895   | D  |       |

**Explanation of Responses:**

- The shares were withheld from the reporting person to satisfy the tax withholding obligations that arose upon the vesting of restricted stock units ("RSUs") granted to the reporting person on May 15, 2023, which grant was originally reported on Form 4 filed with the U.S. Securities and Exchange Commission on May 17, 2023.
- Each RSU represents the contingent right to receive one share of the Issuer's common stock.
- On May 15, 2023, the Reporting Person was granted 210,526 RSUs. 1/4th of the RSUs vested on May 15, 2024 and the remaining RSUs will vest in twelve equal quarterly installments thereafter.

/s/ Jeffrey G. Black by  
Agnieszka Gallagher, Attorney- 05/16/2024  
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.