

| 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><b>JOG VIKRAM</b><br><br>(Last) (First) (Middle)<br><b>C/O STANDARD BIOTOOLS INC.</b><br><b>2 TOWER PLACE, STE 2000</b><br><br>(Street)<br><b>SOUTH SAN FRANCISCO CA 94080</b><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><b>STANDARD BIOTOOLS INC. [ LAB ]</b> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><br>Director _____ 10% Owner _____<br><input checked="" type="checkbox"/> Officer (give title below) <b>Chief Financial Officer</b> Other (specify below) _____ |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br><b>02/21/2023</b>                |  |
| 4. If Amendment, Date of Original Filed (Month/Day/Year)   |  |  |

**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                    | 02/21/2023                           |  | M                              |   | 50,000  | A          | \$0    | 221,904   | D  |   |
| Common Stock                    | 02/21/2023                           |  | M                              |   | 16,666  | A          | \$0    | 238,570   | D  |   |
| Common Stock                    | 02/21/2023                           |  | M                              |   | 2,238   | A          | \$0    | 240,808   | D  |   |
| Common Stock                    | 02/21/2023                           |  | M                              |   | 2,391   | A          | \$0    | 243,199   | D  |   |
| Common Stock                    | 02/21/2023                           |  | M                              |   | 3,130   | A          | \$0    | 246,329   | D  |   |
| Common Stock                    | 02/21/2023                           |  | F                              |   | 28,707  | D          | \$2.03 | 217,622   | D  |   |
| Common Stock                    |                                      |  |                                |   |   |            |        | 52,061  | I  | See Footnote <sup>(1)</sup>                           |

**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   | Amount or Number of Shares |  |  |   |  |
| Restricted Stock Units                     | (2)  | 02/21/2023                           |  | M                              |   |  | 50,000 | (3)  | (3)             | Common Stock  | 50,000                     | \$0  | 0  | D   |  |
| Restricted Stock Units                     | (2)  | 02/21/2023                           |  | M                              |   |  | 16,666 | (4)  | (4)             | Common Stock  | 16,666                     | \$0  | 183,334  | D   |  |
| Restricted Stock Units                     | (2)  | 02/21/2023                           |  | M                              |   |  | 2,238  | (5)  | (5)             | Common Stock  | 2,238                      | \$0  | 0  | D   |  |
| Restricted Stock Units                     | (2)  | 02/21/2023                           |  | M                              |   |  | 2,391  | (6)  | (6)             | Common Stock  | 2,391                      | \$0  | 9,563  | D   |  |
| Restricted Stock Units                     | (2)  | 02/21/2023                           |  | A                              |   |  | 3,130  | (7)  | (7)             | Common Stock  | 3,130                      | \$0  | 28,176   | D   |  |

**Explanation of Responses:**

- Shares held indirectly by the Vikram and Pratima Family Trust U/A dated June 23, 2009.
- Each Restricted Stock Unit represents the contingent right to receive one share of LAB common stock.
- The Restricted Stock Units vest in full on February 20, 2023 or the date the Reporting Person's employment with the Company is terminated involuntarily without "cause."
- On December 20, 2022, the Reporting Person was granted 200,000 Restricted Stock Units vesting in quarterly installments over the course of three years commencing February 20, 2023.
- On February 19, 2019, the Reporting Person was granted 35,787 Restricted Stock Units vesting as to 1/4th of the total number of shares on February 20, 2020, and as to 1/16th of the total number of shares each quarter thereafter.
- On March 10, 2020, the Reporting Person was granted 38,250 Restricted Stock Units vesting as to 1/4th of the underlying shares on February 20, 2021, and as to 1/16th of the total number of shares each quarter thereafter.
- On April 20, 2021, the Reporting Person was granted 50,089 Restricted Stock Units vesting as to 1/4 of the total number of shares on May 20, 2022, and as to 1/16th of the total number of shares each quarter thereafter.

**Remarks:**

/s/ Vikram Jog

02/23/2023

\*\* 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.

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