

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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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* <u>Casdin Eli</u> (Last) (First) (Middle) C/O STANDARD BIOTOOLS INC. 2 TOWER PLACE, STE 2000 (Street) SOUTH SAN FRANCISCO CA 94080 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>STANDARD BIOTOOLS INC. [LAB]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>02/20/2024</u>	
	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	02/20/2024		A		22,800 ⁽¹⁾	A	\$2.5 ⁽²⁾	103,556	D	
Common Stock								7,548,000	I	By CMLS Holdings II LLC ⁽³⁾
Common Stock								11,246,525	I	By Casdin Partners Master Fund, L.P. ⁽⁴⁾
Common Stock								2,744,219	I	By Casdin Private Growth Equity Fund, L.P. ⁽⁵⁾
Common Stock								1,200,000	I	See Footnote ⁽⁶⁾

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		Date Exercisable	Expiration Date					

Explanation of Responses:

- Represents Restricted Stock Units that vest in four equal quarterly installments beginning on March 15, 2024. The Reporting Person has deferred settlement of the Restricted Stock Units until the earlier to occur of the Reporting Person's termination of service and a change of control.
- The Restricted Stock Units were issued to the Reporting Person, who elected to take Restricted Stock Units in lieu of \$57,000 in cash compensation for services as a board member.
- The shares are held of record by CMLS Holdings II LLC ("CMLS Holdings II"). The Board of Managers of CMLS Holdings II includes Mr. Casdin, who, as a member of the Board of Managers of CMLS Holdings III, shares voting and investment discretion with respect to the common stock held by CMLS Holdings II. Mr. Casdin may be deemed to have or share beneficial ownership of the securities held by CMLS Holdings II.
- The shares reflected as beneficially owned by Casdin Partners Master Fund, L.P. in the table above are owned directly by Casdin Partners Master Fund, L.P. and may be deemed to be indirectly beneficially owned by (i) Casdin Capital, LLC, the investment adviser to Casdin Partners Master Fund, L.P., (ii) Casdin Partners GP, LLC, the general partner of Casdin Partners Master Fund L.P., and (iii) Eli Casdin, the managing member of Casdin Capital, LLC and Casdin Partners GP, LLC.
- The shares held by Casdin Private Growth Equity Fund, L.P. may be deemed to be indirectly beneficially owned by (i) Casdin Capital, LLC, the investment adviser to Casdin Private Growth Equity Fund, L.P., (ii) Casdin Private Growth Equity GP, LLC, the general partner of Casdin Private Growth Equity Fund, L.P., and (iii) Eli Casdin, the managing member of Casdin Capital, LLC and Casdin Private Growth Equity GP, LLC.
- The securities are owned directly by Casdin Partners FO1-MSV, LP ("Casdin FO1") and may be deemed to be indirectly beneficially owned by (i) Casdin Capital, LLC, the investment adviser to Casdin FO1, (ii) Casdin Partners GP, LLC, the general partner of Casdin FO1, and (iii) Eli Casdin, the managing member of Casdin Capital, LLC and Casdin Partners GP, LLC.

Remarks:

The Reporting Person disclaims beneficial ownership in the securities reported on this Form 4 except to the extent of his pecuniary interest, if any, therein, and this report shall not be deemed to be an admission that the Reporting Person is the beneficial owner of such securities for purposes of Section 16 or for any other purpose.

/s/ Eli Cadin by Agnieszka
Gallagher, Attorney-in-Fact

02/22/2024

** 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.