

OMB APPROVAL	
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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

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

1. Name and Address of Reporting Person* <u>Casdin Eli</u> (Last) (First) (Middle) C/O STANDARD BIOTOOLS INC. 2 TOWER PLACE, SUITE 2000 (Street) 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) 04/04/2022	
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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	04/04/2022		A		15,852 ⁽¹⁾	A	\$0	15,852	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	Amount or Number of Shares				
Series B-1 Convertible Preferred Stock	(2)	04/04/2022		A		127,780		(2)	(2)	Common Stock	37,582,346 ⁽²⁾	(3)	127,780	I	See footnote ⁽⁴⁾
Stock Option (Right to Buy)	\$3.99	04/04/2022		A		23,401		(5)	04/04/2032	Common Stock	23,401	\$0	23,401	D	

Explanation of Responses:

- Represents Restricted Stock Units that vest in four equal annual increments beginning April 4, 2023.
- Each share of the Issuer's Series B-1 Convertible Preferred Stock (the "Series B-1 Preferred Stock") is convertible at the option of the Reporting Person at any time into a number of shares of the Issuer's common stock, par value \$0.001 per share, equal to the conversion rate, which is initially 294.1176, subject to certain anti-dilution adjustments and limitations on conversion pursuant to the Certificate of Designation for the Series B-1 Preferred Stock.
- On April 4, 2022, the Issuer issued the Series B-1 Preferred Stock (i) in exchange for aggregate cash consideration of \$112.5 million, pursuant to the Series B-1 Convertible Preferred Stock Purchase Agreement, dated as of January 23, 2022, among the Issuer, Casdin Partners Master Fund, L.P. ("Casdin Master Fund") and Casdin Private Growth Equity Fund II, L.P. ("Casdin Private Growth Fund") and (ii) upon the conversion of \$12.5 million aggregate principal amount of term loans, including accrued and unpaid interest, pursuant to the Series B-1 Loan Agreement, dated as of January 23, 2022, among the Issuer, Casdin Master Fund and Casdin Private Growth Fund.
- These shares are held by Casdin Master Fund and Casdin Private Growth Fund. Casdin Capital, LLC ("Casdin Capital") is the investment adviser to Casdin Master Fund and Casdin Private Growth Fund. Casdin Partners GP, LLC ("Casdin Partners GP") is the general partner of Casdin Master Fund and Casdin Private Growth Equity Fund II GP, LLC ("Casdin Private Growth GP") is the general partner of Casdin Private Growth Fund. Eli Casdin is the managing member of Casdin Capital, Casdin Partners GP and Casdin Private Growth GP. Each of Casdin Capital, Casdin Partners GP, Casdin Private Growth GP and Eli Casdin disclaims beneficial ownership of such securities except to the extent of their respective pecuniary interest therein, if any.
- The Option becomes exercisable in four equal annual increments beginning on April 4, 2023.

/s/ Eli Casdin

04/06/2022

** 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.