FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject Section 16. Form 4 or Form 5 obligations may continue. See

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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 to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is
intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10

securit intende defens	ies of the issue ed to satisfy the e conditions of ee Instruction 1	r that is affirmative Rule 10b5-																	
						2. Issuer Name and Ticker or Trading Symbol STANDARD BIOTOOLS INC. [LAB]								k all app Direc	tor		1 0% O	wner	
	1350 AVENUE OF THE AMERICAS SUITE 2600					3. Date of Earliest Transaction (Month/Day/Year) 08/02/2024							Officer (give title Other (specify below)						
						4. If Amendment, Date of Original Filed (Month/Day/Year) 08/06/2024							6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(St		Zip) I - Noi	n-Deriva	tive S	Sec	curities	Aca	uired.	Disi	posed of	or E	Benef	iciall	/ Own	ed			
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day.				ction	2 E	2A. Deeme Execution f any	A. Deemed xecution Date,		3.		4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)		A) or 5. Amo Securi Benefi Owned		ount of ties cially I Following	Forr (D)	wnership n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership	
								Code	v	Amount	(A) (D)	or P	rice	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
Common Stock ⁽¹⁾													2,748,255(2)		D ⁽³⁾				
		Tal									osed of, onvertib				Owne	d			
1. Title of Derivative Security (Instr. 3)	Derivative Conversion Date Execution Date courity or Exercise (Month/Day/Year) if any		on Date,	4. Transacti Code (Ins 8)		tion of		6. Date Exercisable and Expiration Date (Month/Day/Year)		te	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		De Se (In:	Price of rivative curity str. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	Beneficia Ownershi (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amou or Numb of Share	er					
		Reporting Person* Master Fund,	L.P.																
(Last) 1350 AV SUITE 2	ENUE OF	(First) THE AMERICA	`	ddle)		_													
(0)						- 1													

(Street) **NEW YORK** NY 10019 (City) (State) (Zip) 1. Name and Address of Reporting Person* Casdin Eli (First) (Middle) 1350 AVENUE OF THE AMERICAS **SUITE 2600** (Street) **NEW YORK** NY 10019 (State) (Zip) (City) 1. Name and Address of Reporting Person*

(Last)	(First)	(Middle)
1350 AVENUE OF		(wildaic)
SUITE 2600		
(Street)		
NEW YORK	NY	10019
(City)	(State)	(Zip)
1. Name and Address of		
Casdin Partners	GP, LLC	
(Last)	(First)	(Middle)
1350 AVENUE OF	THE AMERICAS	
SUITE 2600		
(Street)		10010
NEW YORK	INY	10019
(City)	(State)	(Zip)
1. Name and Address of		
Casdin Private (<u>Growth Equity F</u>	und II, L.P.
(Last)	(First)	(Middle)
1350 AVENUE OF	THE AMERICAS	
SUITE 2600		
(Street)		
NEW YORK	NY	10019
		(7:)
(City)	(State)	(Zip)
		(ZIP)
1. Name and Address of		
1. Name and Address of	f Reporting Person*	
1. Name and Address of Casdin Private (of Reporting Person* Growth Equity F	fund II GP, LLC (Middle)
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1. Name and Address of Reporting Person* <u>CASDIN PRIVATE GROWTH EQUITY</u> <u>FUND GP, LLC</u>						
(Last) 1350 AVENUE C SUITE 2600	(First) OF THE AMERICAS	(Middle)				
(Street) NEW YORK	NY	10019				
(City)	(State)	(Zip)				

Explanation of Responses:

- 1. The original Form 4 is being amended to update the beneficial ownership information reported therein.
- 2. Includes Restricted Stock United ("RSUs"). Certain RSUs vest in full on the earlier to occur of June 28, 2025 and one day prior to the date of the Company's next annual meeting of stockholders, subject to the Reporting Person's continued service through the applicable vesting date and other RSUs vested as to 25% on July 23, 2024 and thereafter in two equal installments on the 15th day of the last month of each remaining fiscal quarter of 2024, subject to the Reporting Person's continued service through the applicable vesting date.
- 3. The securities are owned directly by Eli Casdin.

Domarko

Eli Casdin has been deputized to represent the Reporting Persons on the board of directors of the Issuer. By virtue of Mr. Casdin's representation, for purposes of Section 16 of the Securities Exchange Act of 1934 (the "Exchange Act"), each of the Reporting Persons may be deemed directors by deputization of the Issuer. Each Reporting Person disclaims beneficial ownership in the securities reported on this Form 4 except to the extent of its pecuniary interest, if any, therein, and this report shall not be deemed to be an admission that such Reporting Person is the beneficial owner of such securities for purposes of Section 16 or for any other purpose.

Casdin Partners Master Fund,	
LP, By: Casdin Partners GP, LLC, its General Partner, By: /s/ Eli Casdin, Managing Member	03/04/2025
/s/ Eli Casdin, Eli Casdin	03/04/2025
Casdin Capital LLC, By: /s/ Eli Casdin, Managing Member	03/04/2025
Casdin Partners GP LLC, By: /s/ Eli Casdin, Managing Member	03/04/2025
Casdin Private Growth Equity Fund II, L.P., By: Casdin Private Growth Equity Fund II GP, LLC, its General Partner, By: /s/ Eli Casdin, Managing Member	03/04/2025
Casdin Private Growth Equity Fund GP II, LLC, By: /s/ Eli Casdin, Managing Member	03/04/2025
Casdin Private Growth Equity Fund, L.P., By: Casdin Private Growth Equity Fund II GP, LLC, its General Partner, By: /s/ Eli Casdin, Managing Member	03/04/2025
Casdin Amplify Fund, LP, By: Casdin Partners GP, LLC, its General Partner, By: /s/ Eli Casdin, Managing Member	03/04/2025
Casdin Private Growth Equity Fund GP, LLC, By: /s/ Eli Casdin, Managing Member	03/04/2025
** Signature of Reporting Person	Date

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

- * 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.