Instruction 1(b).

FORM 4

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549	9
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,	STATEMENT OF	CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per respons	se: 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

Name and Address of Reporting Person* Brennan Aoife					2. Issuer Name and Ticker or Trading Symbol SYNLOGIC, INC. [SYBX]										o of Reportir dicable) tor	rson(s) to Is			
(Last) (First) (Middle) C/O SYNLOGIC, INC.						3. Date of Earliest Transaction (Month/Day/Year) 04/04/2022								X Officer (give title Other (specify below) See Remarks					specify
301 BINNEY STREET, SUITE 402 (Street) CAMBRIDGE MA 02142 (City) (State) (Zip)				4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person							
		Table	I - N	lon-Deriva	tive S	Secui	rities	Ac	quire	d, Di	sposed o	f, or E	Benefic	ially	Own	ed			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye			Execution Date,			3. Transaction Code (Instr. 8) 4. Securities A Disposed Of (I					and 5) Secur Bene		cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
									Code	v	Amount	(A) or (D)	Price	Trans		action(s) 3 and 4)			(Instr. 4)
Common Stock 04/04/202			22				S		8,894(1)	D	\$2.44	59 ⁽²⁾	27	75,343		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)	Derivative Security (Instr. 3) Date (Month/Day/Year) Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year)			saction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)				9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

Explanation of Responses:

- 1. Represents the number of shares sold by the reporting person on April 4, 2022 to cover the tax liability in connection with the vesting of two restricted stock awards, vesting on April 1, 2022, that were granted in 2020 and 2021. The transaction reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on March 26, 2021.
- 2. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$2.40 to \$2.45, inclusive. The reporting person will provide to the staff of the Securities and Exchange Commission, the issuer, or any security holder of the issuer, upon request, full information regarding the number of shares sold at each separate price.

Remarks:

President and Chief Executive Officer

/s/ Aoife Brennan

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.