FORM 4

obligations may continue. See

Instruction 1(b)

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

OMB APPRO	VAL				
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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* Florence Anthony A. Jr.						2. Issuer Name and Ticker or Trading Symbol SYNLOGIC, INC. [SYBX]									Check all a Dir	ector	ng Perso	10% O)wner	
(Last) (First) (Middle) 5425 WISCONSIN AVENUE SUITE 800						3. Date of Earliest Transaction (Month/Day/Year) 08/28/2017										icer (give title low)	Other below		(specify	
(Street) CHEVY CHASE MD 20815 (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) <mark>X</mark> Fo	lividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
				n-Deriv	ative	Se	curitie	s Ac	quired,	Dis	posed o	f, or	Bene	ficia	ally Ow	ned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					tion 2A. Deemed Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5) (A) or Disposed Of (D) (Instr. 3, 4)			3, 4 ar	Sec Ben Owr Rep	mount of urities eficially ned Following orted esaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)					
Common Stock 08/28					3/2017	2017		Code	V	3,394,4	- (A	Price	(Ins	3,818,940		I	See Note 2 ⁽²⁾		
		Та									sed of, onvertib				y Owne	d				
1. Title of Derivative Security (Instr. 3)	Title of 2. 3. Transaction 3A. Deemet Execution I gerivative or Exercise (Month/Day/Year) if any		Date,	Code (Instr.		5. Number of		6. Date Exercisable a Expiration Date (Month/Day/Year)		е	ole and 7. Title and Amount of		tr. 3	8. Price o Derivative Security (Instr. 5)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amo or Num of Shai	ber						

Explanation of Responses:

- 1. Shares of capital stock of the corporation then known as Synlogic, Inc. ("Old Synlogic") were converted into shares of the Issuer pursuant to that certain Agreement and Plan of Merger and Reorganization, dated as of May 15, 2017, by and among the Issuer, Meerkat Merger Sub, Inc. and Old Synlogic (the "Merger Agreement"). Pursuant to the terms of the Merger Agreement, each share of capital stock was exchanged for 0.5532 shares of the Issuer's common stock, giving effect to a reverse split of the Issuer's common stock of 7-to-1.
- 2. The Reporting Person is a director of NEA 14 GP, LTD, which is the sole general partner of NEA Partners 14, L.P. ("NEA Partners 14"). NEA Partners 14 is the sole general partner of New Enterprise Associates 14, L.P. ("NEA 14"), which is the direct beneficial owner of the securities. The Reporting Person disclaims beneficial ownership, within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, or otherwise of such portion of the NEA 14 shares in which the Reporting Person has no pecuniary interest.

Remarks:

/s/ Sasha Keough, attorney-in-08/30/2017

** 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.