UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): June 13, 2018

SYNLOGIC, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 001-37566 (Commission File Number)

301 Binney St., Suite 402 Cambridge, MA (Address of principal executive offices) 26-1824804 (IRS Employer Identification No.)

> 02142 (Zip Code)

(617) 401-9975

Registrant's telephone number, including area code

Not applicable

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Dere-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

Emerging Growth Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 5.07: Submission of Matters to a Vote of Security Holders.

(a) On June 13, 2018, Synlogic, Inc. (the "Company") held its 2018 annual meeting of stockholders (the "Annual Meeting"). At the Annual Meeting, a quorum of 21,708,171 shares of the Company's common stock, or 85.3% of the outstanding shares of common stock entitled to vote as of the record date of April 24, 2018, were present in person or represented by proxy.

(b) The following actions were taken at the Annual Meeting:

1. The following nominees were reelected to serve on the Company's Board of Directors as Class III Directors until the Company's 2021 annual meeting of stockholders, based on the following votes:

Nominee	Voted For	Withheld Authority	Broker Non-Vote
Chau Khuong	19,784,106	45,341	1,878,724
Nick Leschly	19,785,720	43,727	1,878,724

After the Annual Meeting, Richard P. Shea continued to serve as a Class I Director for a term that expires at the 2019 annual meeting and Peter Barrett, Edward Mathers and Michael Powell continued to serve as Class II Directors for terms that expire at the 2020 annual meeting.

2. The selection of KPMG LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2018 was ratified, based on the following votes:

For	Against	Abstain	Broker Non-Votes
21,698,122	8,036	2,013	0

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: June 13, 2018

SYNLOGIC, INC.

By: /s/ Todd Shegog

Name:Todd ShegogTitle:Chief Financial Officer