UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON D.C. 20540

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): December 4, 2024

SYNLOGIC, INC.

(Exact name of Registrant as Specified in Its Charter)

Delaware (State or Other Jurisdiction of Incorporation) 001-37566 (Commission File Number)

PO Box 30 Winchester, Massachusetts (Address of Principal Executive Offices) 26-1824804 (IRS Employer Identification No.)

> 01890 (Zip Code)

Registrant's Telephone Number, Including Area Code: (617) 659-2802

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)

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

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

Securities registered pursuant to Section 12(b) of the Act:

| Trading | | | |
|---|-----------|---|--|
| Title of each class | Symbol(s) | Name of each exchange on which registered | |
| Common Stock, par value \$0.001 per share | SYBX | The NASDAQ Capital Market | |
| Preferred Stock Purchase Rights | N/A | The NASDAQ Capital Market | |

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 \Box

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 December 4, 2024, the Company held its Annual Meeting. At the Annual Meeting, a quorum of 9,633,925 shares of the Company's common stock, or 82.36% of the outstanding shares of common stock entitled to vote as of the record date of November 1, 2024, were present or represented by proxy.

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

1. The following nominee was reelected to serve on the Company's board of directors (the "Board of Directors") as Class III director until the Company's 2027 annual meeting of stockholders, based on the following votes:

| Nominee | Shares Voted For | Shares Voted To Withhold Authority | Broker Non-Vote |
|--------------|------------------|------------------------------------|-----------------|
| Nick Leschly | 6,876,144 | 317,492 | 2,440,289 |

After the Annual Meeting, Richard P. Shea and James Flynn continued to serve as Class I Directors for terms that expire at the 2025 annual meeting, and Peter Barrett, Ph.D., Michael Heffernan, and Edward Mathers continued to serve as Class II Directors for terms that expire at the 2026 annual meeting.

2. The Company's stockholders approved, in a non-binding advisory vote, the compensation of the Company's named executive officers, as disclosed in the Proxy Statement, based on the following votes:

| Shares Voted For | Shares Voted Against | Shares Abstaining | Broker Non-Votes |
|------------------|----------------------|-------------------|------------------|
| 3,337,618 | 543,326 | 3,312,692 | 2,440,289 |

3. The selection of KPMG LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2024 was ratified, based on the following votes:

| Shares Voted For | Shares Voted Against | Shares Abstaining | Broker Non-Votes |
|------------------|----------------------|-------------------|------------------|
| 9,589,958 | 43,758 | 209 | — |

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

| Exhibit No. | Description |
|----------------|---|
| 104 | Cover Page Interactive Data File (embedded within the Inline XBRL Document) |

SIGNATURES

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 thereunto duly authorized.

Date: December 4, 2024

Synlogic, Inc.

By: /s/ Antoine Awad

Name:Antoine AwadTitle:Principal Executive Officer