**FORM 4**

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

**1. Name and Address of Reporting Person**

*Kelly-Croswell Lisa*

(C/O SYNLOGIC, INC.
301 BINNEY STREET, SUITE 402
CAMBRIDGE MA 02142)

**2. Issuer Name and Ticker or Trading Symbol**

SYNLOGIC, INC. [ SYBX ]

**3. Date of Earliest Transaction (Month/Day/Year)**

06/22/2023

**5. Relationship of Reporting Person(s) to Issuer**

X Director 10% Owner
Officer (give title below)
Other (specify below)

**2A. Deemed Execution Date, if any (Month/Day/Year)**

06/22/2023

**6. Individual or Joint/Group Filing (Check Applicable Line)**

X Form filed by One Reporting Person
Form filed by More than One Reporting Person

**Rule 10b5-1(c) Transaction Indication**

☐ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

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**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

<table>
<thead>
<tr>
<th>Code</th>
<th>Amount</th>
<th>Transaction Date (Month/Day/Year)</th>
<th>Deemed Execution Date (Month/Day/Year)</th>
<th>Transaction Code (Instr. 8)</th>
<th>Securities Acquired or Disposed Of (Instr. 3, 4 and 5)</th>
<th>Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>Ownership Form: Direct or Indirect (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>30,000</td>
<td>06/22/2023</td>
<td></td>
<td></td>
<td>A</td>
<td>30,000</td>
<td>D</td>
<td>V bo (A)</td>
</tr>
</tbody>
</table>

**Explanation of Responses:**

1. The option vests and becomes exercisable in full on the earlier of (A) the first anniversary of the date of grant or (B) immediately prior to the next annual meeting of the Corporation’s stockholders after the date of grant, subject to the non-employee director's continued service as a director of the Corporation.

/s/ Lisa Kelly-Croswell 06/26/2023

**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).


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.