# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# FORM S-8 REGISTRATION STATEMENT

UNDER
THE SECURITIES ACT OF 1933

## Synlogic, Inc.

(Exact name of registrant as specified in its charter)

**Delaware** (State or other jurisdiction of incorporation or organization)

26-1824804 (I.R.S. Employer Identification Number)

301 Binney Street, Suite 402
Cambridge, MA 02142
(617) 401-9975
(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

2015 Employee Stock Purchase Plan (Full Title of the Plan)

Aoife Brennan President and Chief Executive Officer Synlogic, Inc. 301 Binney Street, Suite 402 Cambridge, MA 02142

(617) 401-9975

(Name, address, including zip code, and telephone number, including area code, of agent for service)

J	y. See the definitions of "large accelerated filer," "accelerated filer," "smaller of the Exchange Act.	, 1 8 1 3	an
Large accelerated filer		Accelerated filer	$\boxtimes$
Non-accelerated filer		Smaller reporting company	X
		Emerging growth company	$\times$

If an emerging growth company, indicated 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 7(a)(2)(B) of the Securities Act.

#### **CALCULATION OF REGISTRATION FEE**

Title of Securities to be Registered	Amount to be Registered(1)	Proposed Maximum Offering Price Per Share(2)	Proposed Maximum Aggregate Offering Price(2)	Amount of Registration Fee
Common Stock, par value \$0.001 per share	322,668	\$2.1025	\$678,409.47	\$88.06

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this registration statement shall also cover any additional shares of the Registrant's common stock, par value \$0.001 per share (the "Common Stock") that become issuable under the 2015 Employee Stock Purchase Plan (the "ESPP") by reason of any stock dividend, stock split, recapitalization or similar transaction effected without the Registrant's receipt of consideration which would increase the number of outstanding shares of Common Stock.
- (2) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h) and Rule 457(c) promulgated under the Securities Act. The offering price per share and the aggregate offering price for shares reserved for future issuance under the ESPP are based on the average of the high and the low price of Registrant's Common Stock as reported on The Nasdaq Capital Market on March 6, 2020. The chart below details the calculations of the registration fee:

Securities	Number of Shares	Offering Price Per Share	Aggregate Offering Price
Shares reserved for future grant under the ESPP	322,668	2.1025(2)	\$678,409.47
Proposed Maximum Aggregate Offering Price			\$678,409.47
Registration Fee			\$ 88.06

#### **EXPLANATORY NOTE**

On November 23, 2016, the Board of Directors of the Registrant suspended the Registrant's 2015 Employee Stock Purchase Plan (the "ESPP") pursuant to the terms of the ESPP. On December 19, 2019, the Board of Directors of the Registrant reactivated the ESPP, for which a Registration Statement of the Registrant on Form S-8 (File No. 333-207299) is effective. This Registration Statement on Form S-8 is being filed for the purpose of registering an additional 322,668 shares of the Registrant's common stock issuable under the ESPP, as a result of the operation of an automatic annual increase provision therein.

## INCORPORATION BY REFERENCE OF CONTENTS OF REGISTRATION STATEMENT ON FORM S-8

Pursuant to Instruction E of Form S-8, the contents of the Registration Statement on Form S-8 filed with the Securities and Exchange Commission on October 6, 2015 (File No. 333-207299) are incorporated by reference herein.

#### **Exhibit Index**

Exhibit Number	Exhibit Description	Form	Incorporated by Reference Date	Number	Filed <u>Herewith</u>
4.1	Amended and Restated Certificate of Incorporation.	8-K	10/6/2015	3.1	
4.2	Certificate of Amendment to Amended and Restated Certificate of Incorporation.	8-K	8/28/2017	3.1	
4.3	Certificate of Amendment to Amended and Restated Certificate of Incorporation.	8-K	8/28/2017	3.2	
4.4	Amended and Restated Bylaws.	8-K	10/6/2015	3.2	
4.5	Form of Common Stock Certificate.	S-3	10/13/2017	4.5	
5.1	Opinion of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.				X
23.1	Consent of KPMG LLP, independent registered public accounting firm.				X
23.2	Consent of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. (included in Exhibit 5.1).				X
24.1	<u>Power of Attorney.</u> <u>Reference is made to the signature page to the Registration Statement.</u>				X
99.1#	Synlogic, Inc. 2015 Employee Stock Purchase Plan, as amended.	8-K	12/20/2019	10.1	

<sup>#</sup> Indicates management contract or compensatory plan.

#### **Signatures**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant has duly caused this Registration Statement on Form S-8 to be signed on its behalf by the undersigned, thereunto duly authorized, in Cambridge, Massachusetts on March 12, 2020.

### SYNLOGIC, INC.

By:	/s/ Aoife Brennan				
Aoife Brennan					
	President and Chief Executive Officer				

### **Power of Attorney**

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Aoife Brennan and Gregg Beloff, and each of them acting individually, as his or her true and lawful attorneys-in-fact and agents, each with full power of substitution, for him or her in any and all capacities, to sign any and all amendments to this Registration Statement, including post-effective amendments or any abbreviated registration statement and any amendments thereto filed pursuant to Rule 462(b) increasing the number of securities for which registration is sought, and to file the same, with all exhibits thereto and other documents in connection therewith, with the SEC, granting unto said attorneys-in-fact and agents, with full power of each to act alone, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully for all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or his, her or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ Aoife Brennan Aoife Brennan	President, Chief Executive Officer and Director (Principal Executive Officer)	March 12, 2020
/s/ Gregg Beloff Gregg Beloff	Interim Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)	March 12, 2020
/s/ Peter Barrett Peter Barrett	Chairman of the Board	March 12, 2020
/s/ Michael Burgess Michael Burgess	Director	March 12, 2020
/s/ Patricia Hurter Patricia Hurter	Director	March 12, 2020
/s/ Chau Khuong Chau Khuong	Director	March 12, 2020
/s/ Nick Leschly Nick Leschly	Director	March 12, 2020
/s/ Edward Mathers Edward Mathers	Director	March 12, 2020
/s/ Michael Powell Michael Powell	Director	March 12, 2020
/s/ Richard P. Shea Richard P. Shea	Director	March 12, 2020

617 542 6000 mintz.com

One Financial Center Boston, MA 02111



March 12, 2020

Synlogic, Inc. 301 Binney Street, Suite 402 Cambridge, MA 02142

> Registration Statement on Form S-8; 322,668 shares of Common Stock of Synlogic, Inc., par value \$0.001 per share Re:

#### Ladies and Gentlemen:

We have acted as counsel to Synlogic, Inc., a Delaware corporation (the "Company"), in connection with the preparation and filing with the Securities and Exchange Commission (the "Commission") of a Registration Statement on Form S-8 (the "Registration Statement"), pursuant to which the Company is registering the issuance under the Securities Act of 1933, as amended (the "Securities Act"), of an aggregate of 322,668 shares (the "Shares") of the Company's common stock, par value \$0.001 per share, that may be issued pursuant to the Company's 2015 Employee Stock Purchase Plan (the "ESPP"). This opinion is being rendered in connection with the filing of the Registration Statement with the Commission. All capitalized terms used herein and not otherwise defined shall have the respective meanings given to them in the Registration Statement.

As the counsel to the Company in connection with the Registration Statement, we have examined the actions taken by the Company in connection with the authorization of the issuance of the Shares, and such documents as we have deemed necessary to render this opinion. In our examination, we have assumed the genuineness of all signatures, the legal capacity of natural persons, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as certified or photostatic copies and the authenticity of the originals of such copies. As to questions of fact material to this opinion, we have relied upon certificates or comparable documents of public officials and of officers and representatives of the Company. In addition, we have assumed that the Company will receive any required consideration in accordance with the terms of the ESPP.

Our opinion is limited to the General Corporation Law of the State of Delaware (the "DGCL"), and we express no opinion with respect to the laws of any other jurisdiction. No opinion is expressed herein with respect to the qualification of the Shares under the securities or blue sky laws of any state or of any foreign jurisdiction.

Based upon and subject to the foregoing, it is our opinion that the Shares, when issued and delivered in accordance with the terms of the ESPP, will be validly issued, fully paid and non-assessable.

Please note that we are opining only as to the matters expressly set forth herein, and no opinion should be inferred as to any other matters. This opinion is based upon currently existing statutes, rules, regulations and judicial decisions, and we disclaim any obligation to advise you of any change in any of these sources of law or subsequent legal or factual developments which might affect any matters or opinions set forth herein.

**BOSTON** LONDON LOS ANGELES **NEW YORK** SAN DIEGO SAN FRANCISCO WASHINGTON MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO, P.C.

#### **MINTZ**

March 12, 2020 Page 2



We understand that you wish to file this opinion with the Commission as an exhibit to the Registration Statement in accordance with the requirements of Item 601(b)(5) of Regulation S-K promulgated under the Securities Act, and we hereby consent thereto. In giving this consent, we do not admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO, P.C.

Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.

#### **Consent of Independent Registered Public Accounting Firm**

The Board of Directors Synlogic, Inc.:

We consent to the use of our report dated March 12, 2020, with respect to the consolidated balance sheets of Synlogic, Inc. as of December 31, 2019 and 2018, and the related consolidated statements of operations and comprehensive loss, stockholders' equity, and cash flows for the years then ended, and the related notes (collectively, the consolidated financial statements), incorporated herein by reference. Our report refers to a change in method of accounting for leases related to the adoption of Accounting Standards Update 2016-02, *Leases* (Topic 842).

/s/ KPMG LLP

Boston, Massachusetts March 12, 2020