FORM 3

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# OMB APPROVAL OMB Number: 32350104 Estimated average burden hours per response: 0.5

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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 A  | Address of Rep                         | porting Person*                               | 2. Date of Event Requiring Statement (Month/Day/Year) 08/03/2020  3. Issuer Name and Ticker or Trading Symbol Fulgent Genetics, Inc. [FLGT] |                    |  |  |                                    |               |  |   |
|--|--|---|---|--------------------|--|--|------------------------------------|---------------|--|---|
| l  | (First) ENT GENE TA ANITA A CA (State) | (Middle) TICS, INC. AVE., STE 205 91780 (Zip) | -   |                    | 4. Relationship of Reportir Issuer (Check all applicable) Director X Officer (give title below) Chief Operatir | 10% C<br>Other<br>below)               | owner<br>(specify                  | File<br>6. II | ndividual or Joneck Applicable Form filed Person         | int/Group Filing<br>e Line)<br>by One Reporting<br>by More than One |
| Table I - Non-Derivative Securities Beneficially Owned   |  |   |   |                    |  |  |                                    |               |  |   |
| 1. Title of Security (Instr. 4)  |  |   |   | i                  | 2. Amount of Securities<br>Beneficially Owned (Instr.<br>4)  | Form: [<br>(D) or li                   |                                    |               | 4. Nature of Indirect Beneficial<br>Ownership (Instr. 5) |   |
| Common Stock   |  |   |   |                    | 403,712(1)   | I                                      | D                                  |               |  |   |
| Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |  |   |   |                    |  |  |                                    |               |  |   |
| ''''   |  |   | 2. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year)  |                    | 3. Title and Amount of S<br>Underlying Derivative S<br>(Instr. 4)  |  | curity Convers                     |               | ise Form:  | 6. Nature of<br>Indirect Beneficial<br>Ownership (Instr.            |
|  |  |   | Date<br>Exercisable   | Expiration<br>Date | Title  | Amount<br>or<br>Number<br>of<br>Shares | Price of<br>Derivative<br>Security |               | Direct (D)<br>or Indirect<br>(I) (Instr. 5)              | 5)  |

### Explanation of Responses:

1. Reflects 331,212 shares of common stock and 72,500 unvested restricted stock units. Each restricted stock unit represents a contingent right to receive one share of common stock. The shares subject to the restricted stock units vest over a period of four years, with 1/4th of such shares vesting 12 months after the vesting commencement date provided in the award agreement granting such restricted stock units, and 1/16th of such shares vesting every three months over the remaining 36 months, subject to the reporting person's continued service for issuer on each vesting date.

#### Remarks:

Exhibit list: Exhibit 24 Power of Attorney.

/s/ Paul Kim, as Attorneyin-Fact 08/05/2020

\*\* 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 5 (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.

#### POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints each of Paul Kim, the Chief Financial Officer of Fulgent Genetics, Inc. (the "Company"), Vijai Ramcharitar, the Controller of the Company, and Scott M. Stanton, Melanie R. Levy, Joshua B. Bergmann, Sebastian A. Bacon and Jason S. Miller of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., signing singly, with full power of substitution, the undersigned's true and lawful attorney-in-fact to:

- (1) execute for and on behalf of the undersigned, in the undersigned's capacity as a director of the Company, forms and authentication documents for EDGAR Filing Access;
- (2) do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such forms and authentication documents;
- (3) execute for and on behalf of the undersigned, in the undersigned's capacity as a director of the Company, Forms 3, 4 and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended, and the rules thereunder;
- (4) do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such Form 3, 4 or 5 and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and
- (5) take any other action of any type whatsoever in connection with the foregoing that, in the opinion of such attorney-in-fact, may be of benefit to, in the best interests of, or legally required by the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934, as amended.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed this 29th day of July, 2020.

Signature: /s/ Jian Xie

Name: Jian Xie