

**CREDIT SUISSE SECURITIES (USA) LLC**

Eleven Madison Avenue  
New York, New York 10010-3629

**PIPER JAFFRAY & CO.**

800 Nicollet Mall  
Minneapolis, Minnesota 55402

**VIA EDGAR**

September 23, 2016

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
100 F. Street, N.E. Washington, D.C. 20549-3628

Attention: John Reynolds  
Ruairi Regan  
Brigitte Lippman

Re: Fulgent Genetics, Inc. Registration Statement on Form S-1  
File No. 333-213469  
Acceleration Request

Ladies and Gentlemen:

As representatives of the several underwriters of the proposed public offering of 4,600,000 shares of common stock of Fulgent Genetics, Inc. (the "Company"), plus up to an additional 690,000 shares of common stock of the Company that the participating underwriters have the option to purchase, we hereby join the Company's request to accelerate the date of the above-referenced Registration Statement, as then amended, effective as of 4:30 p.m. (New York time) on September 27, 2016, or as soon thereafter as is practicable.

Pursuant to Rule 460 under the Securities Act of 1933, as amended, we wish to advise you that we have distributed approximately 1,328 copies of the Company's preliminary prospectus, dated September 19, 2016, through the date hereof, to underwriters, dealers, institutions and others. The undersigned have been informed by the participating underwriters that they have complied and will continue to comply with Rule 15c2-8 under the Securities Exchange Act of 1934, as amended.

*(Signature Page Follows)*

Very truly yours,

CREDIT SUISSE SECURITIES (USA) LLC  
PIPER JAFFRAY & CO.

As representatives of the several underwriters

By: CREDIT SUISSE SECURITIES (USA) LLC

By: /s/ Scott Palkoski

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Name: Scott Palkoski

Title: Director

By: PIPER JAFFRAY & CO.

By: /s/ Neil Riley

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Name: Neil Riley

Title: Managing Director, ECM

[Signature Page – Acceleration Request]