

Vermillion, Inc.
12117 Bee Caves Road Building Three, Suite 100
Austin, TX 78738

May 1, 2017

VIA EDGAR

Securities and Exchange Commission
100 F Street, N.E.
Washington, D.C. 20549
Attn: Ada Sarmiento

Re: Registration Statement on Form S-3 (Registration
No. 333-217249)

Ladies and Gentlemen:

Reference is made to the above-captioned Registration Statement initially filed by Vermillion, Inc. (the "Company") with the U.S. Securities and Exchange Commission on April 11, 2017 (the "Registration Statement"). Pursuant to Rule 461 under the Securities Act of 1933, as amended, the Company hereby respectfully requests that the effective date of the Registration Statement be accelerated to Thursday, May 4, 2017, at 5:00 p.m. (Eastern Time) or as soon thereafter as may be practicable.

[Signature page follows]

Please contact Beth E. Peev of Sidley Austin LLP at (312) 853-7443 with any questions regarding the foregoing and to confirm the effectiveness of the Registration Statement.

Very truly yours,

VERMILLION, INC.

By: /s/ Eric J.
Schoen

Name: Eric J. Schoen
Title: Senior Vice
President, Finance and
Chief Accounting
Officer
