

November 15, 2018

Jeffrey S. Hatfield
Chief Executive Officer
Zafgen, Inc.
175 Portland Street, 4th Floor
Boston, Massachusetts 02114

Re: Zafgen, Inc.
Registration Statement on Form S-3
Filed November 9, 2018
File No. 333-228328

Dear Mr. Hatfield:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Irene Paik at 202-551-6553 with any questions.

Sincerely,

Division of

Office of

Corporation Finance

Healthcare & Insurance

cc: Danielle M. Lauzon - Goodwin Procter LLP