

April 25, 2024

Jodie Morrison
Chief Executive Officer
Q32 Bio Inc.
830 Winter Street
Waltham, MA 02451

Statement on Form S-1
2024

Re: Q32 Bio Inc.
Registration

Filed April 19,

File No. 333-278829

Dear Jodie Morrison:

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 Daniel Crawford at 202-551-7767 with any questions.

Please contact Daniel

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc:

Sarah Ashfaq, Esq.