

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

September 23, 2020

RA Session II President and Chief Executive Officer Taysha Gene Therapies, Inc. 2280 Inwood Road Dallas, TX 75235

Re: Taysha Gene Therapies, Inc.

Form S-1

Exhibit Nos. 10.1, 10.2, 10.3 and 10.4

Filed September 2, 2020 File No. 333-248559

Dear Mr. Session:

We have concluded our assessment of your redacted exhibits for compliance with applicable form requirements and will process your supplemental response and related materials in accordance with your request.

Sincerely,

Division of Corporation Finance