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63/059,535 31 July 2020 (31.07.2020) US(71) Applicant: **10X GENOMICS, INC.** [US/US]; 6230 Stoneridge Mall Road, Pleasanton, California 94588-3260 (US).(72) Inventors: **CHELL, James Michael**; Hammarby Alle 111, 12064 Stockholm (SE). **DELANEY, Joshua**; 6230 Stoneridge Mall Road, Pleasanton, California 94588-3260 (US). **SPALINSKAS, Rapolas**; 6230 Stoneridge Mall Road, Pleasanton, California 94588-3260 (US). **JUREK, Alek-****sandra**; Segelflygsgatan 29, Skarpnäck, 12833 Stockholm (SE). **TJANDRA, Meiliana**; 6230 Stoneridge Mall Road, Pleasanton, California 94588-3260 (US).(74) Agent: **REITER, Tiffany** et al.; Fish & Richardson P.C., P.O. Box 1022, Minneapolis, Minnesota 55440-1022 (US).

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(54) Title: DE-CROSSLINKING COMPOUNDS AND METHODS OF USE FOR SPATIAL ANALYSIS

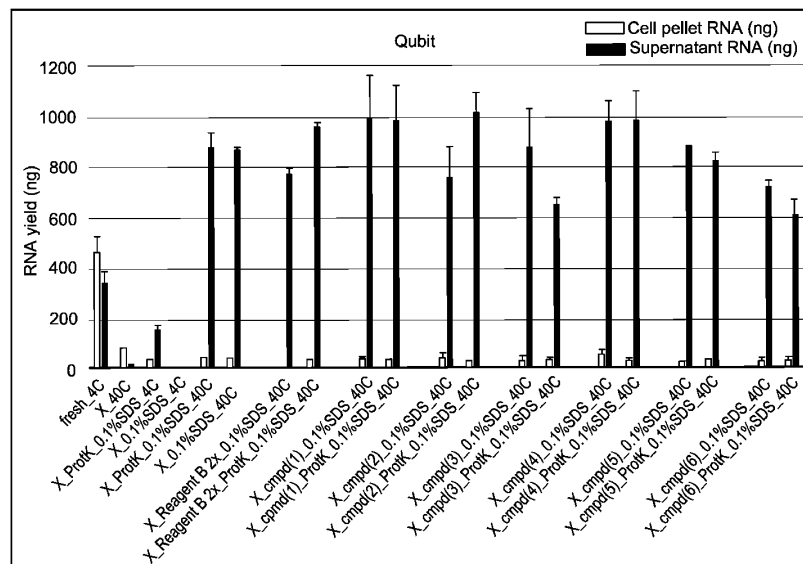


FIG. 4

(57) Abstract: Provided herein are methods for de-crosslinking fixed biological samples (e.g., fixed biological samples including amination crosslinks). The compositions and methods disclosed can de-crosslink oligonucleotides (e.g., DNA or RNA) or proteins from fixed biological samples (e.g., fixed biological samples with amination crosslinks), wherein the de-crosslinked biological sample is compatible with and can be used in spatial gene expression analysis.

[Continued on next page]

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