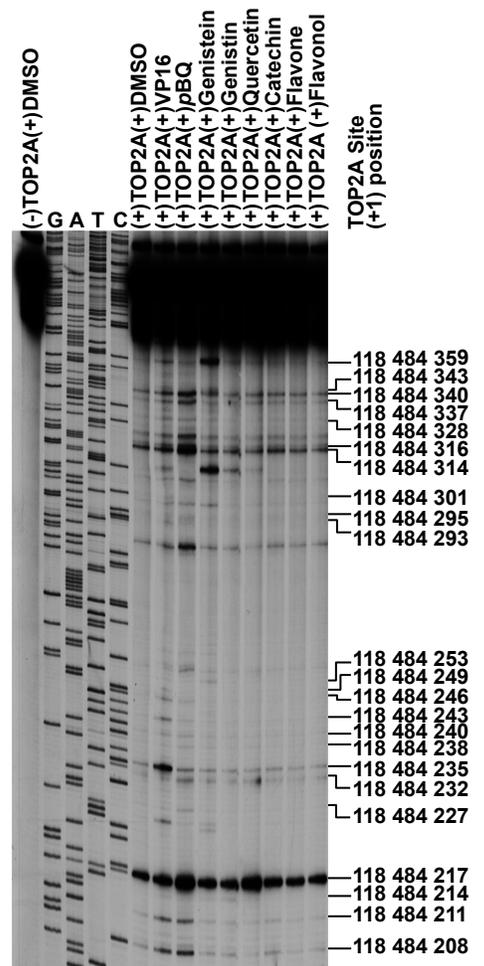
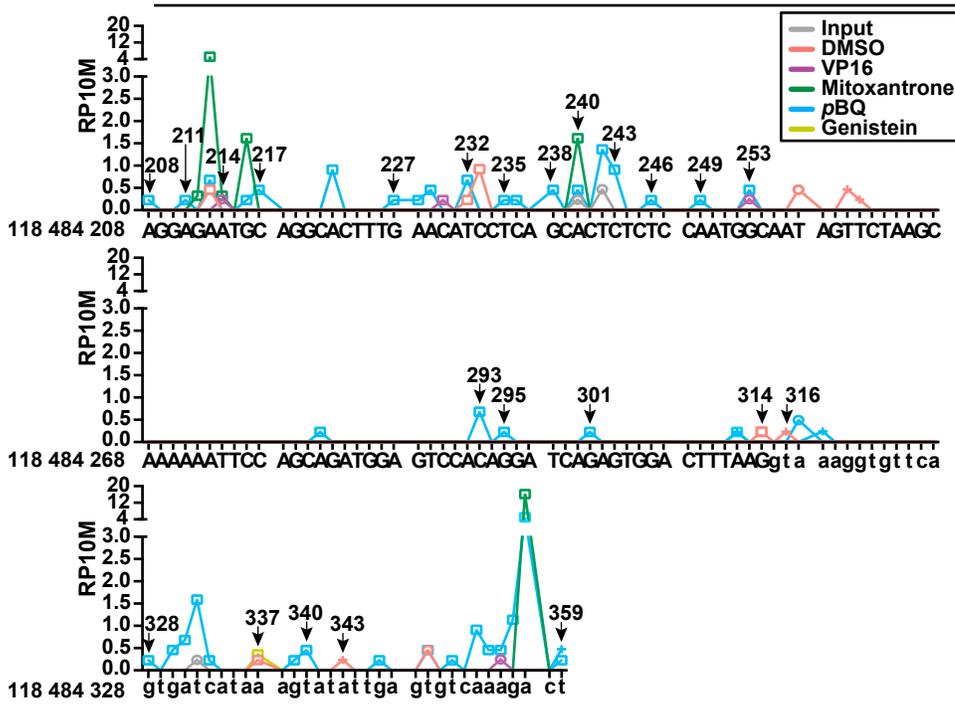
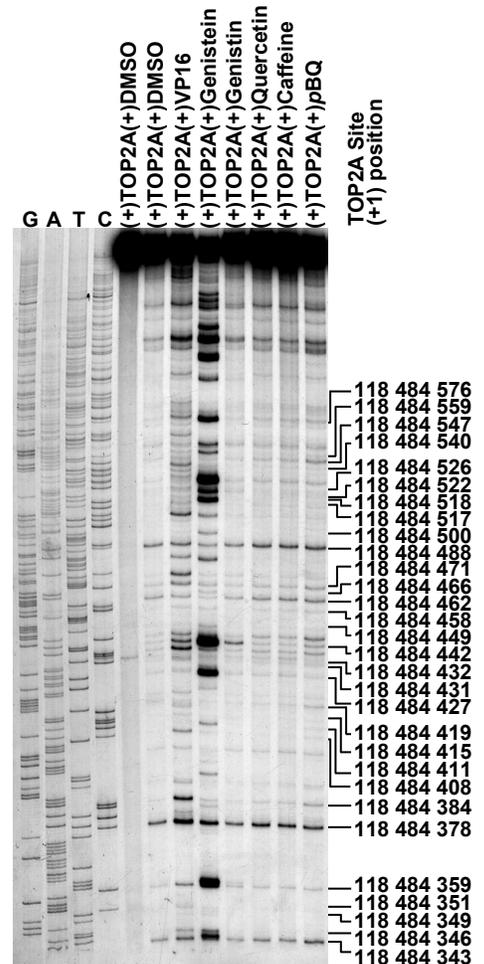
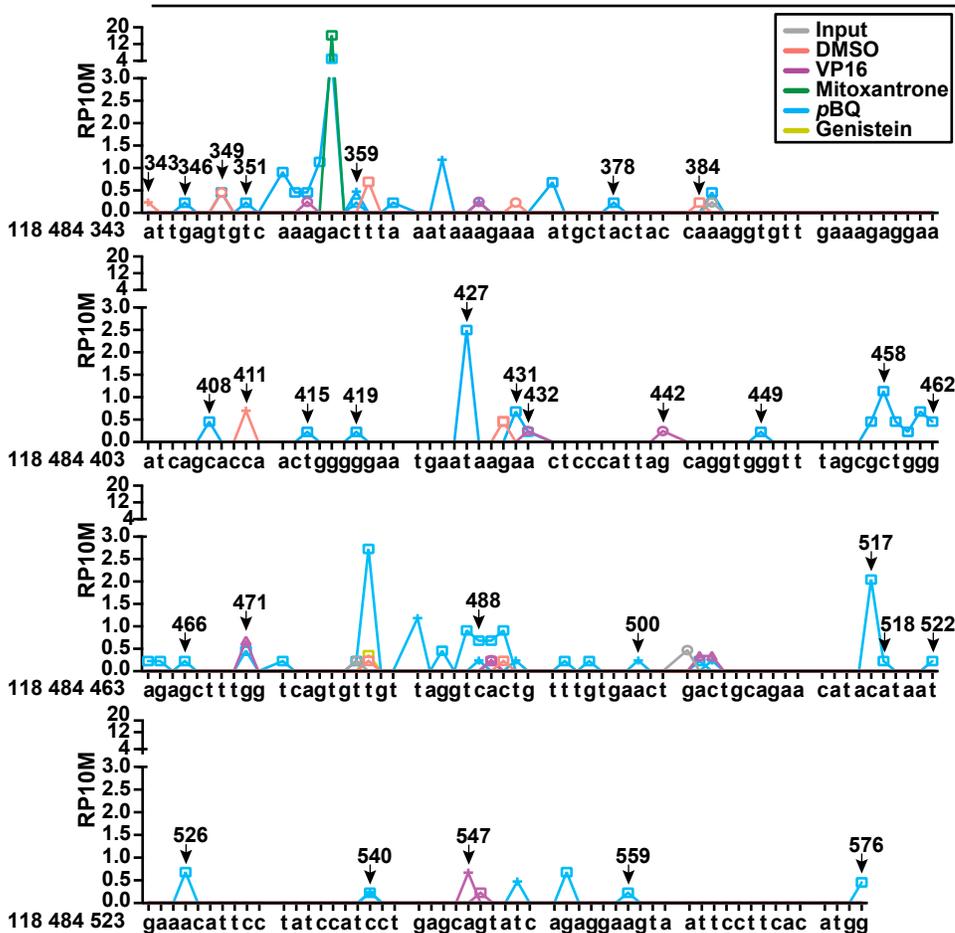


118 484 208 - 118 484 359



118 484 343 - 118 484 576



Supplemental Fig. S3. Validation of TOP2A Cleavage Sites Detected by Sequencing in Areas of *KMT2A* Exon 9 - Intron 9 using TOP2A *in vitro* Cleavage Assays.

(Left) Cleavage sites found in sense strands within the *KMT2A* bcr by high throughput sequencing of libraries prepared from DNA released from immunocaptured TOP2A cleavage complexes. (Right) TOP2A cleavage sites found in sense strands of same areas by *in vitro* cleavage assays of naked DNA substrates. Locations of sequences resolved in the *in vitro* cleavage assays relative to the *KMT2A* bcr are shown in schematic in Fig. 1D (Top). Region is of interest because of involvement in translocations. Arrows at peaks in sense strand of the sequence detected in the cell-based assays (Left) indicate +1 positions of cleavage sites that also are detected in the corresponding *in vitro* cleavage assay autoradiographs (Right, dashes). Coordinates, NC_000011.10 (GRCh38/hg38). (Left) Colors, different treatments; symbols, different replicates. The data demonstrate overlap with cleavage sites from the independent *in vitro* assay, confirming that *bona fide* TOP2A cleavage sites were detected by the sequencing. See also Fig. 1D and Supplemental Fig. S4.