



**Supplemental Fig. S14.** Deaminated CPDs (dCPDs) enrichment in cells versus the naked DNA deamination control for TCG sequence contexts are not significantly elevated in **(A)** minor-in versus minor-out rotational settings, but are significantly elevated in **(B)** DNA backbone-out positions relative to backbone-in positions. \*\*\* $P < 0.0001$ ; n.s. (not significant) indicates  $P > 0.05$ , based on Mann Whitney  $U$  test.