

**Table S4.** List of three independent molecular dynamics simulations with DNA-bound DNMT3A with varying concentrations of procaine.

<b>Molecular Dynamics Simulations</b>	<b>Number of replicates</b>	<b>Time (ns)</b>
Active Site Procaine (ASP)	3	3 x 500 <i>ns</i>
Excess Procaine (EP)	3	3 x 500 <i>ns</i>