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# **Supporting Information**

## Structures of the kinetically trapped i-motif DNA intermediates

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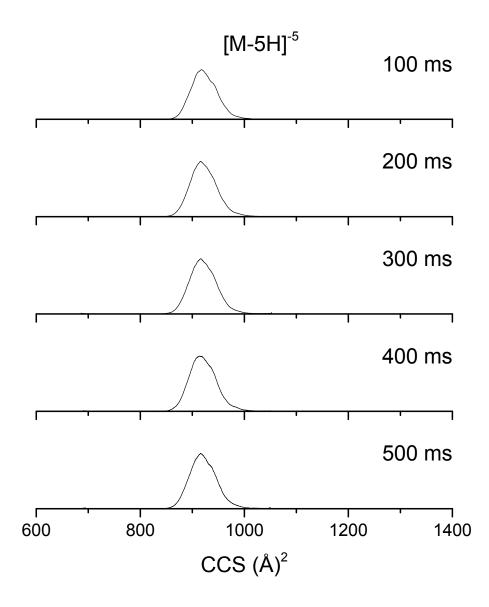


Figure 1. TIMS profiles as a function of the desolvation time for [M-5H]<sup>-5</sup> i-motif DNA.

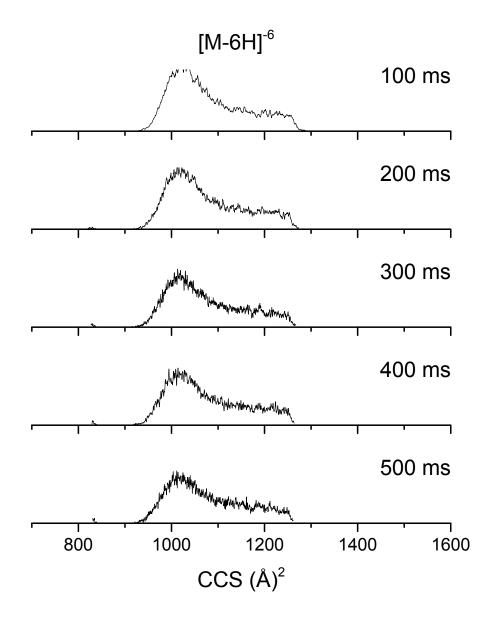


Figure 2. TIMS profiles as a function of the desolvation time for [M-6H]<sup>-6</sup> i-motif DNA.

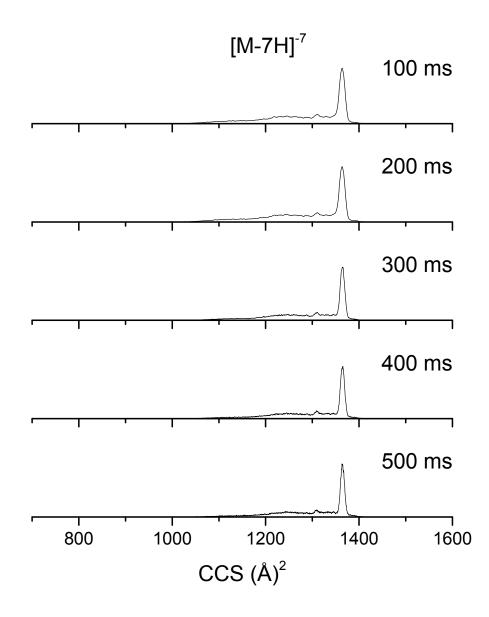


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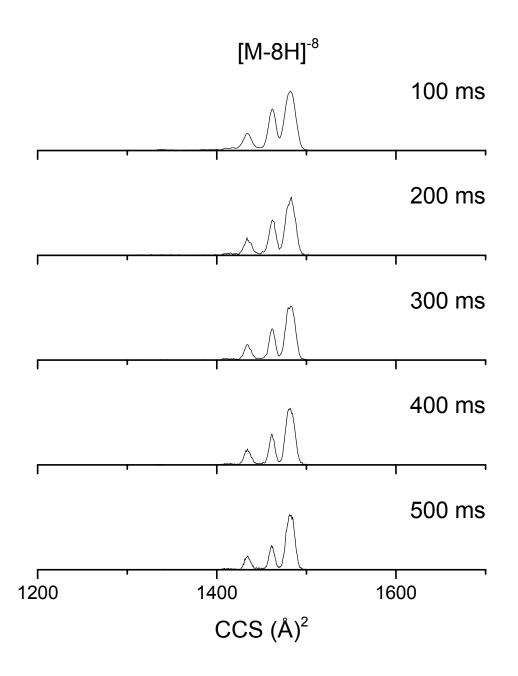


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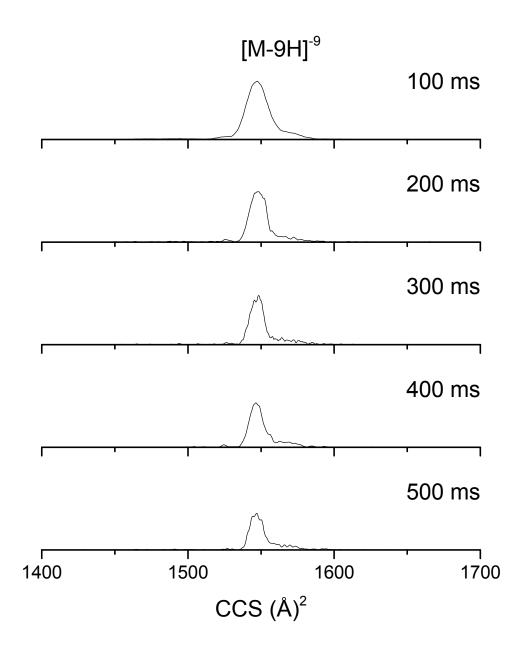


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