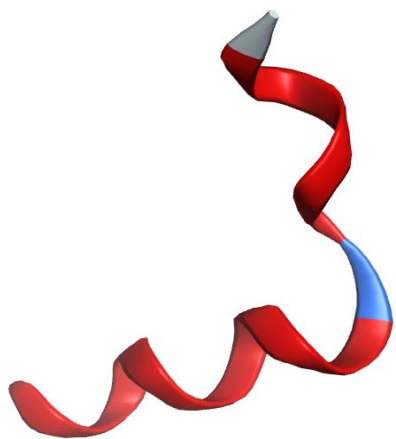
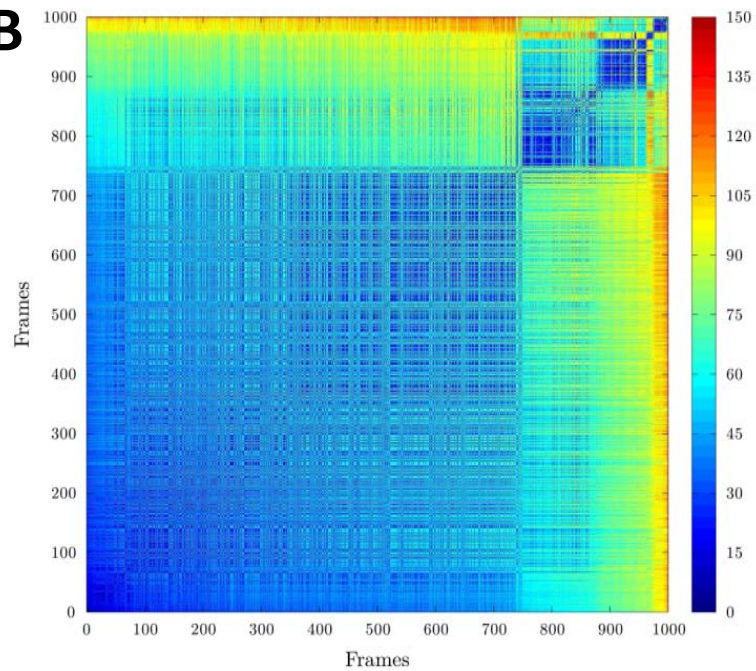
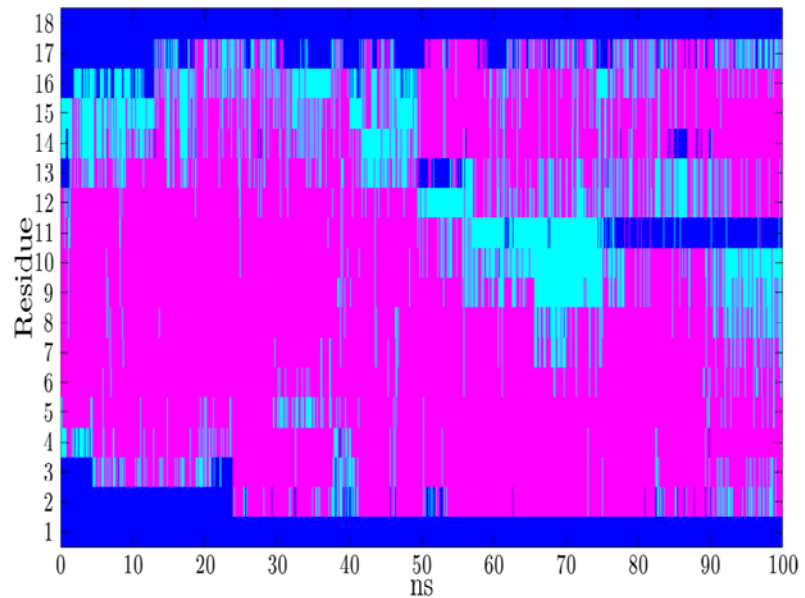


Novel 3D Structure Based Model for Activity Prediction and Design of Antimicrobial Peptides

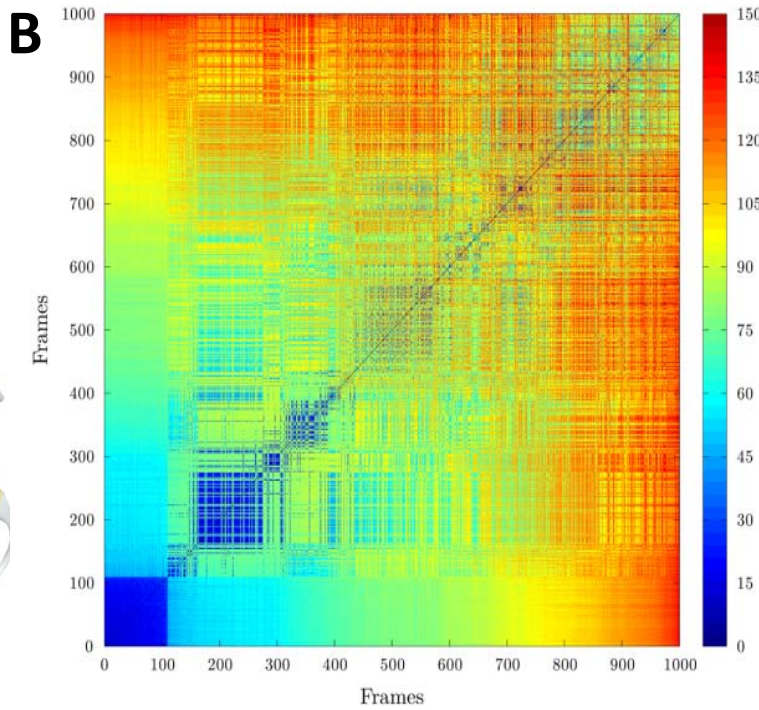
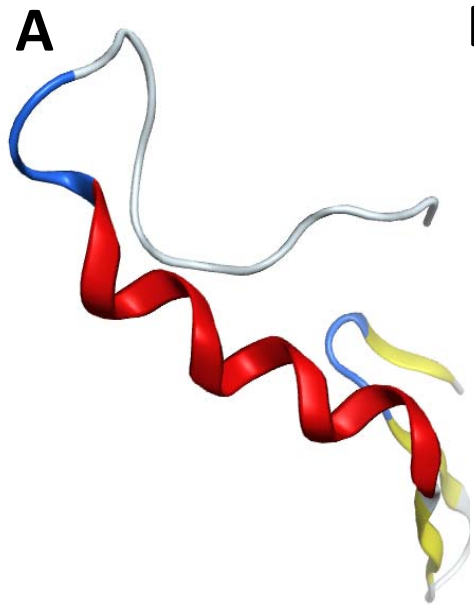
Shicai Liu, Jingxiao Bao, Xingzhen Lao* and Heng Zheng*
*School of Life Science and Technology, China Pharmaceutical University, Nanjing
210009, China*

* To whom correspondence should be addressed.

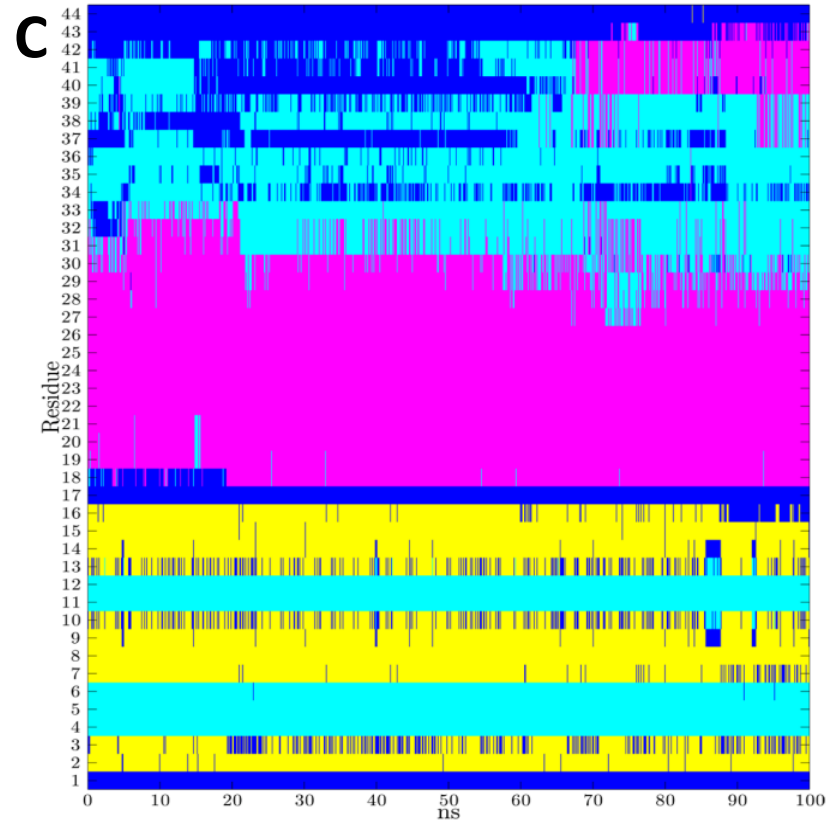
Corresponding author's contact information: Address: China Pharmaceutical University, 24 Tongjiang, Nanjing, 210009, China. Tel: 86-25-83271001, Fax: 86-25-83271249, E-mail: lao@cpu.edu.cn (Xingzhen Lao), zhengh18@hotmail.com (Heng Zheng).

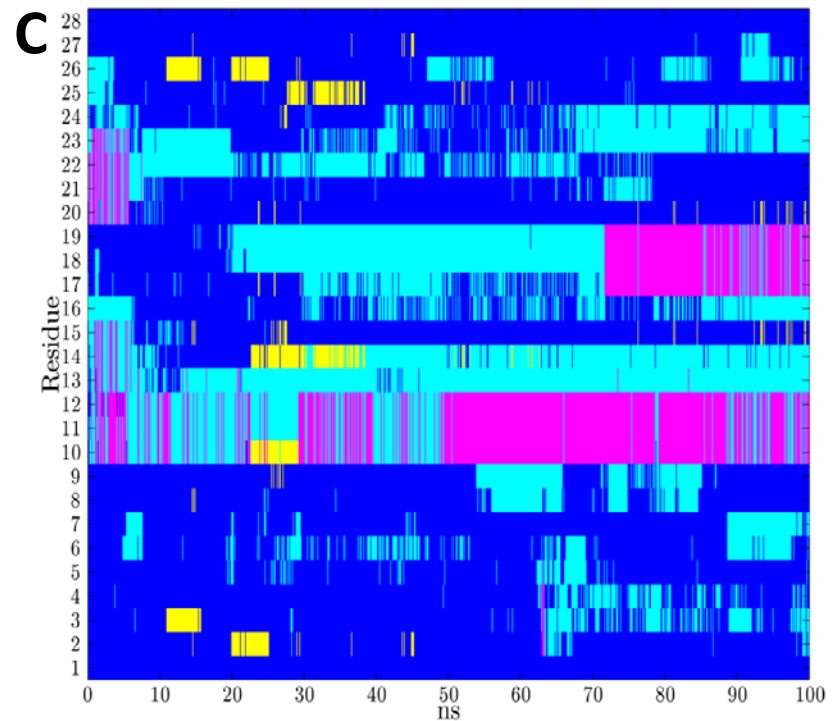
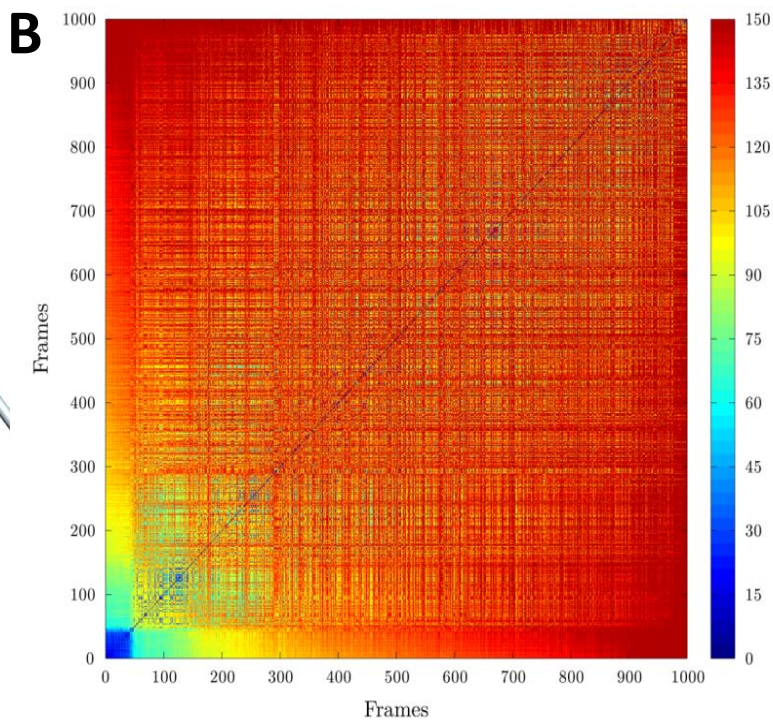
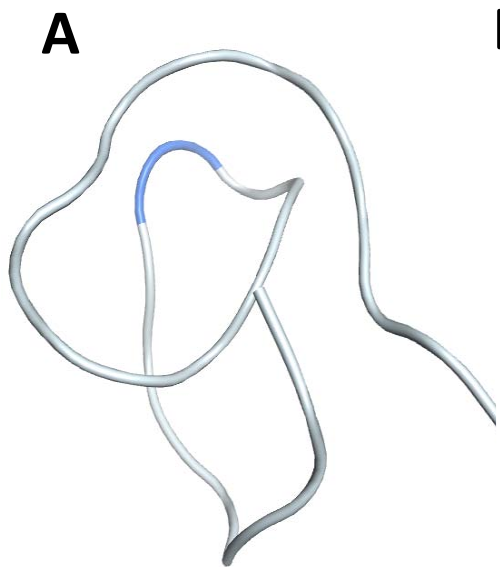
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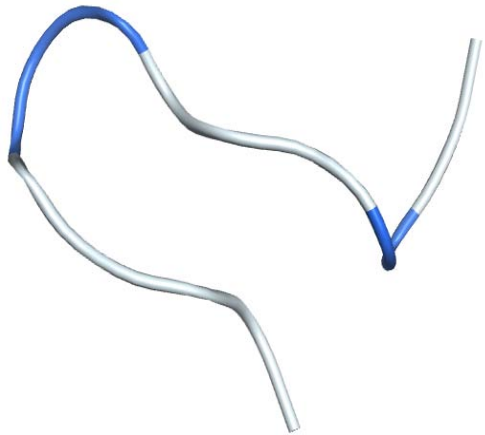
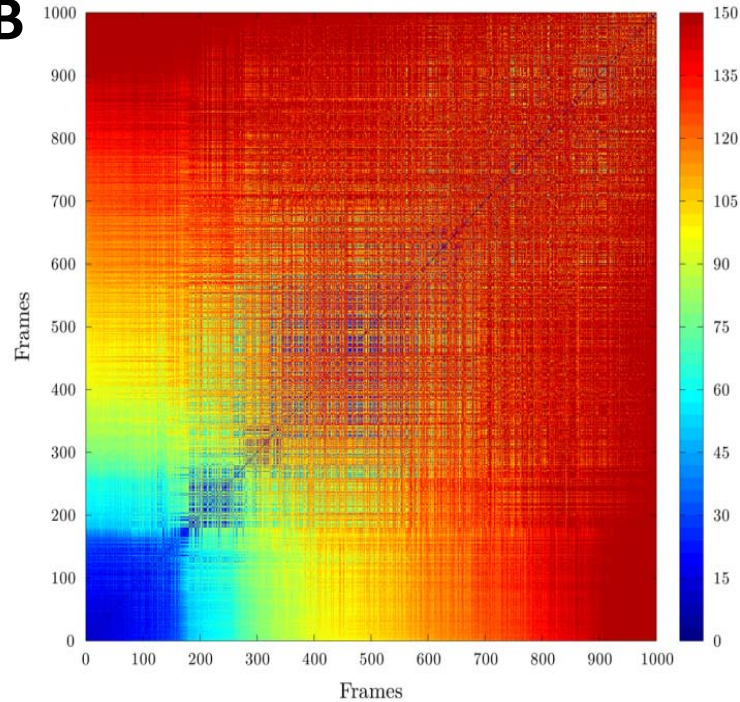
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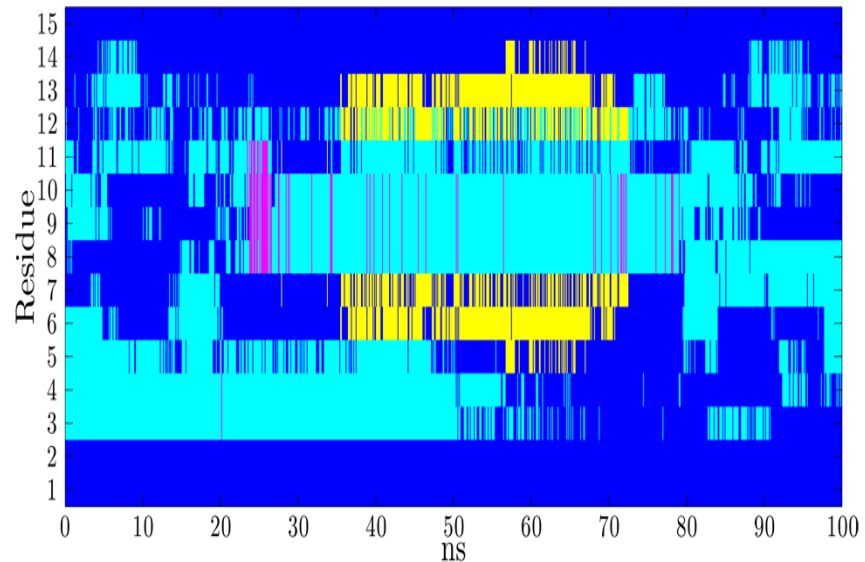
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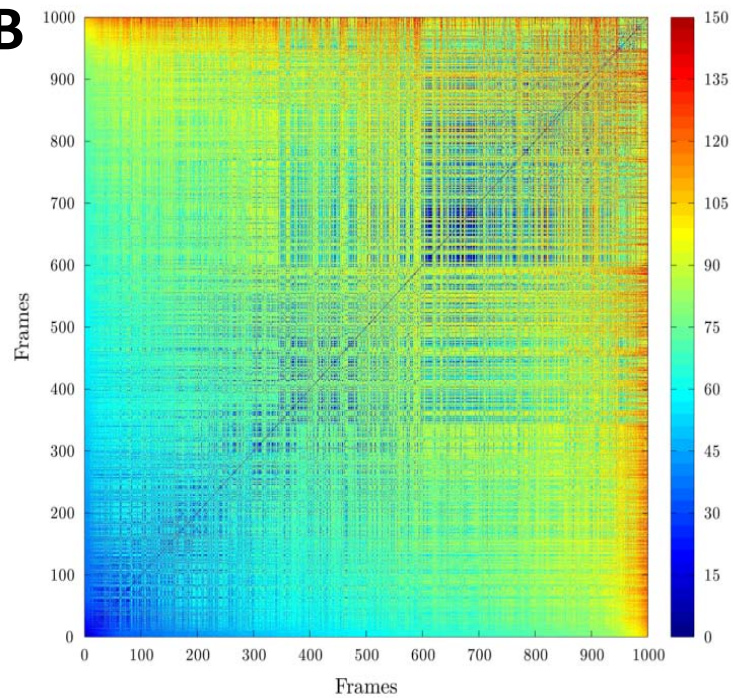
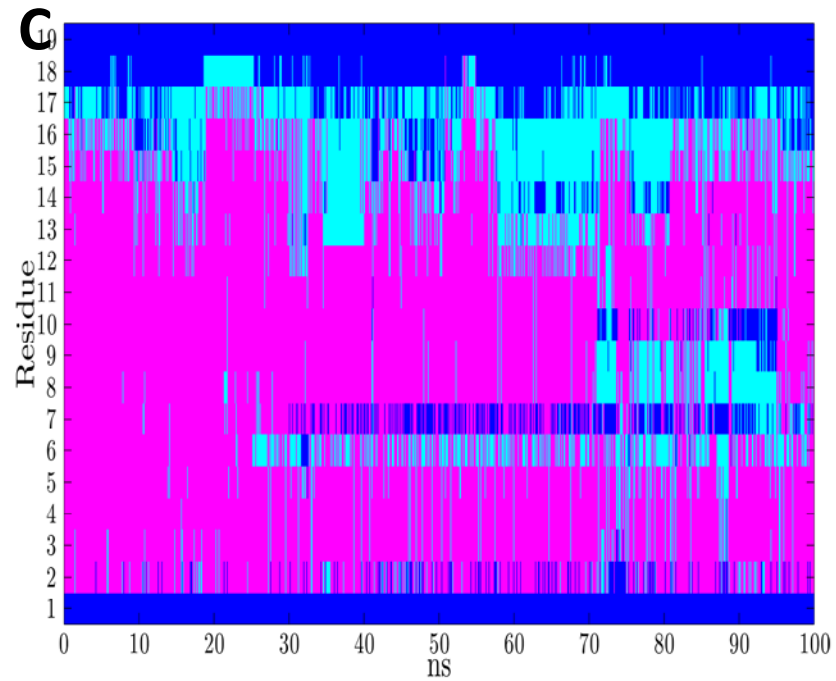




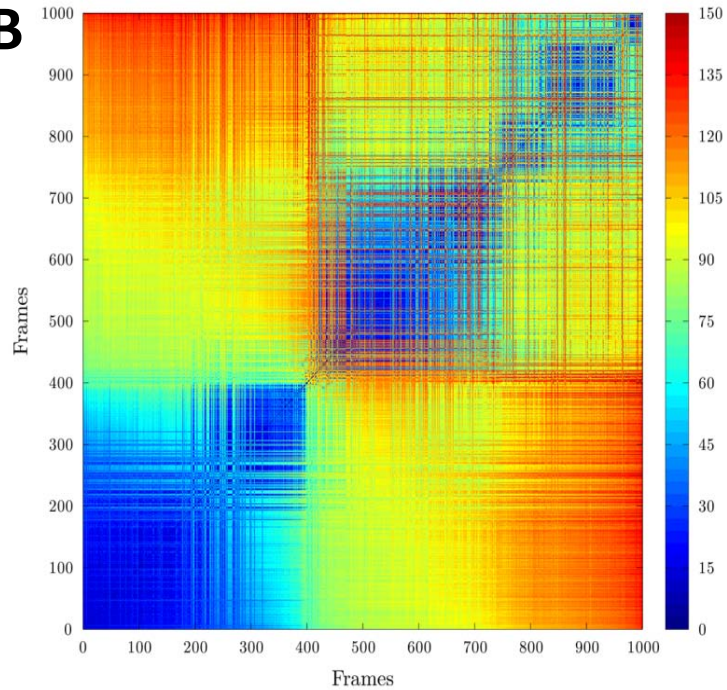
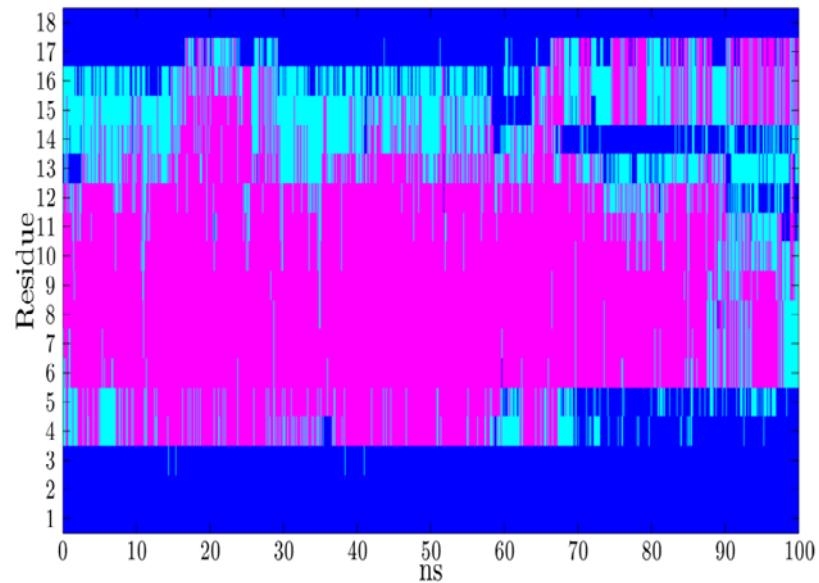
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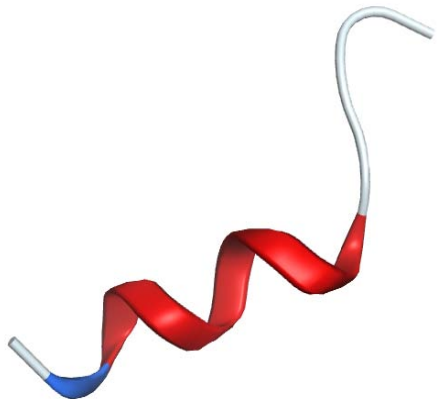
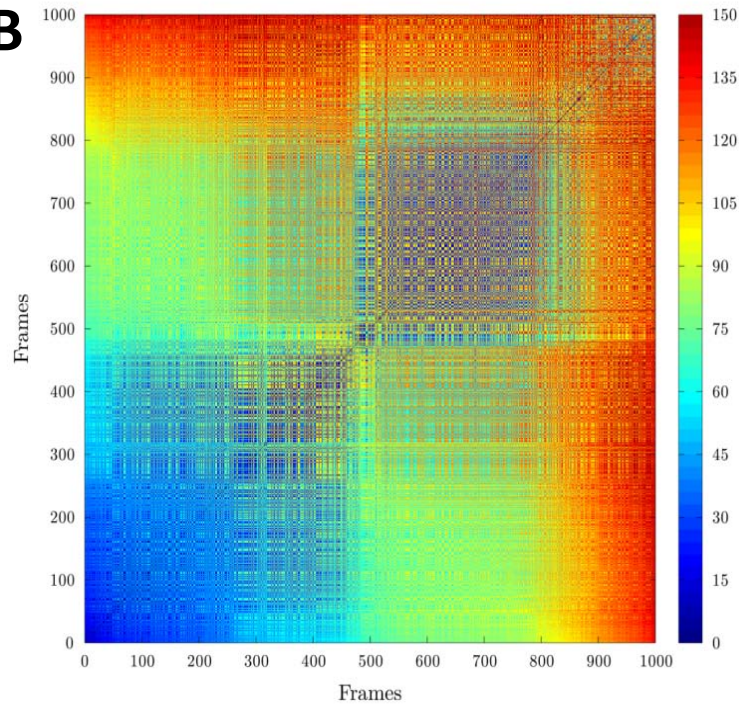
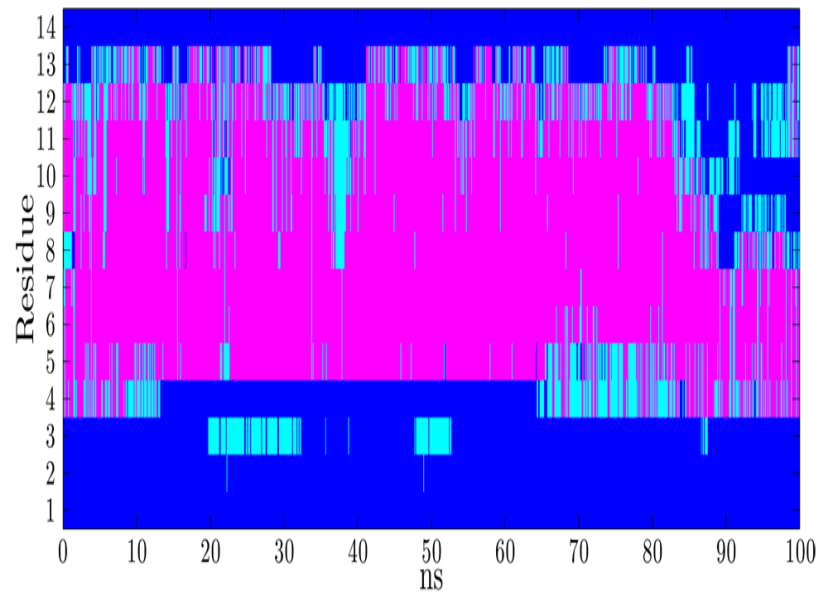
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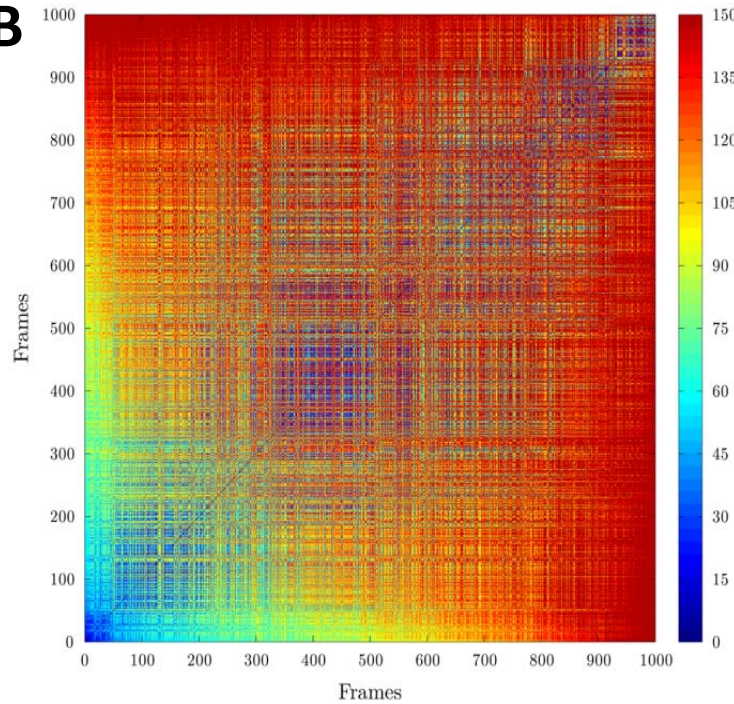
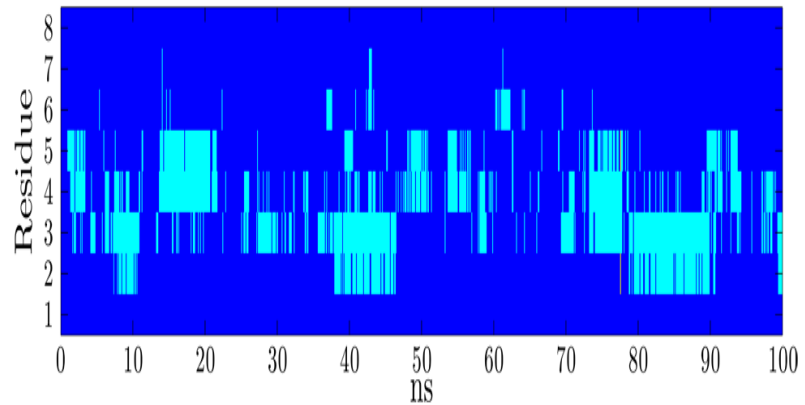
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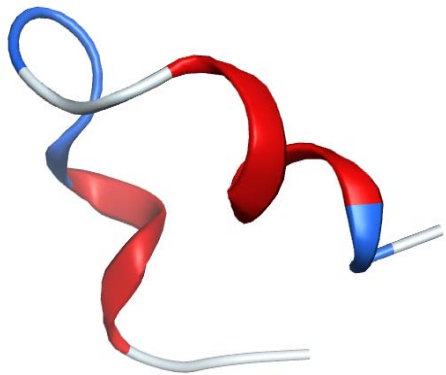
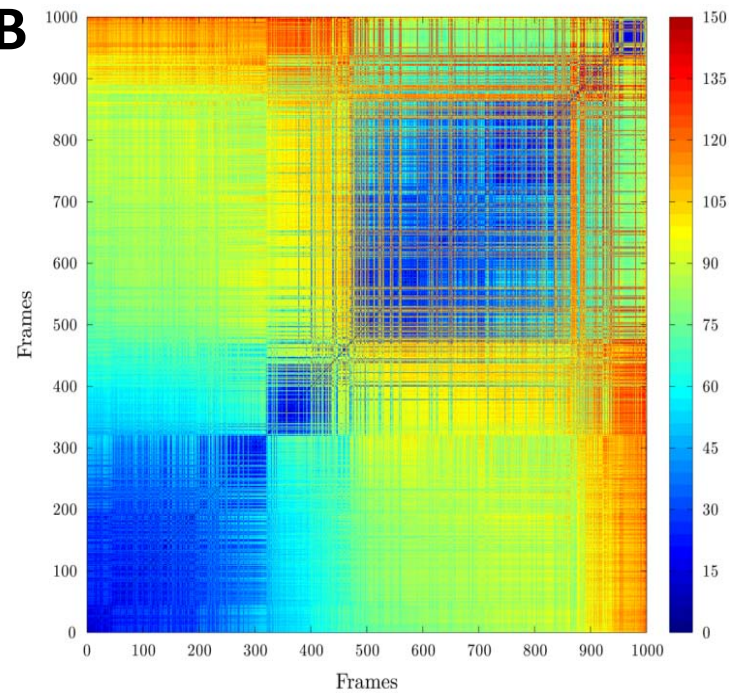
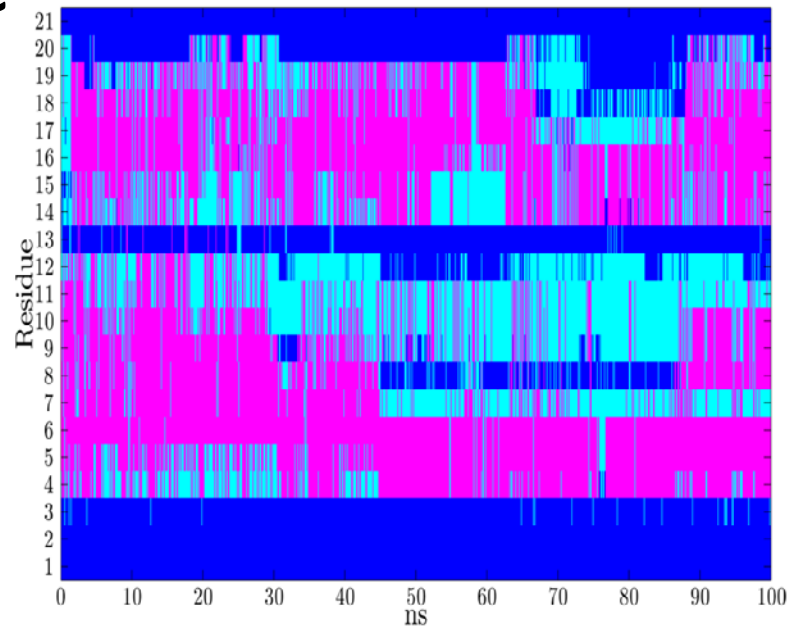
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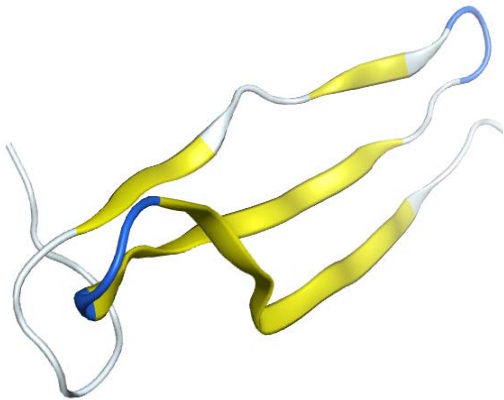
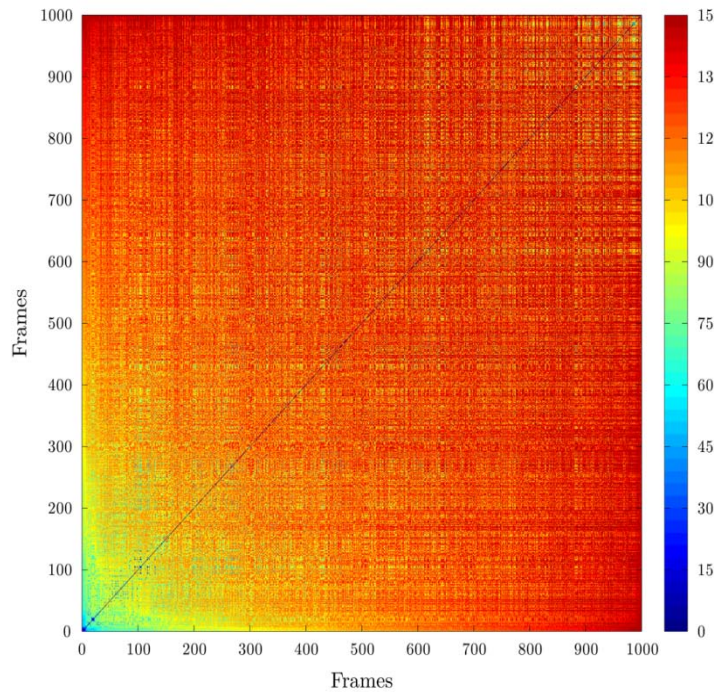
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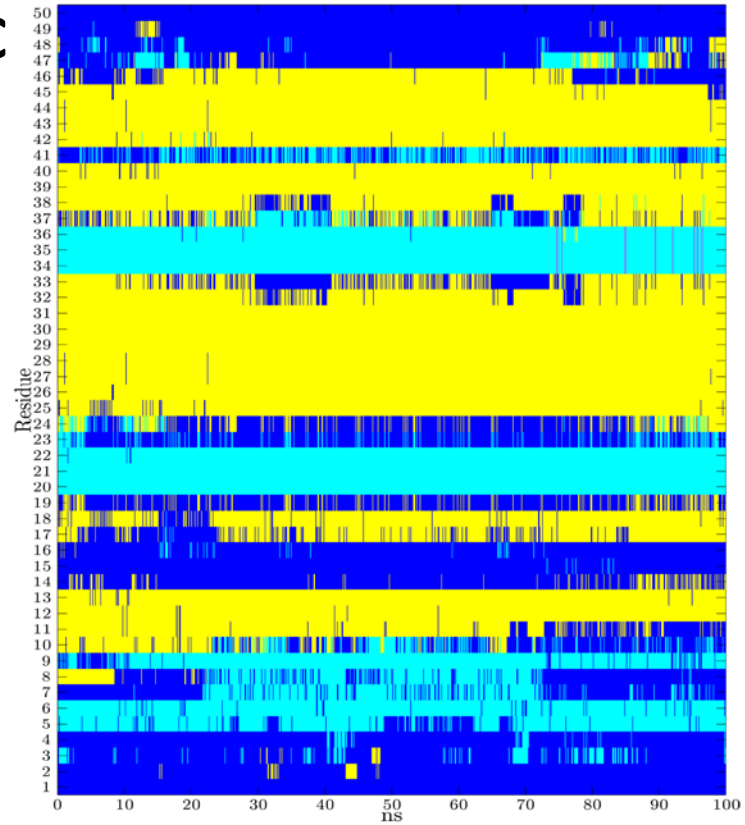
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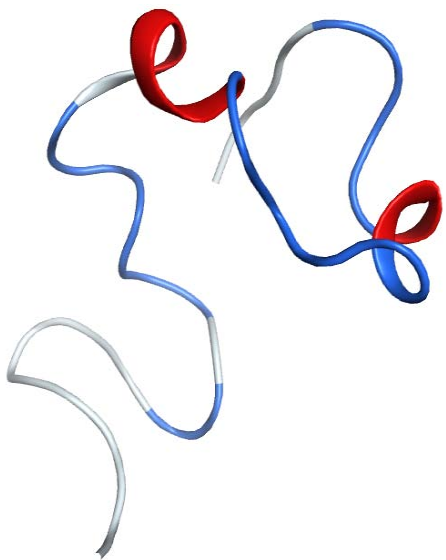
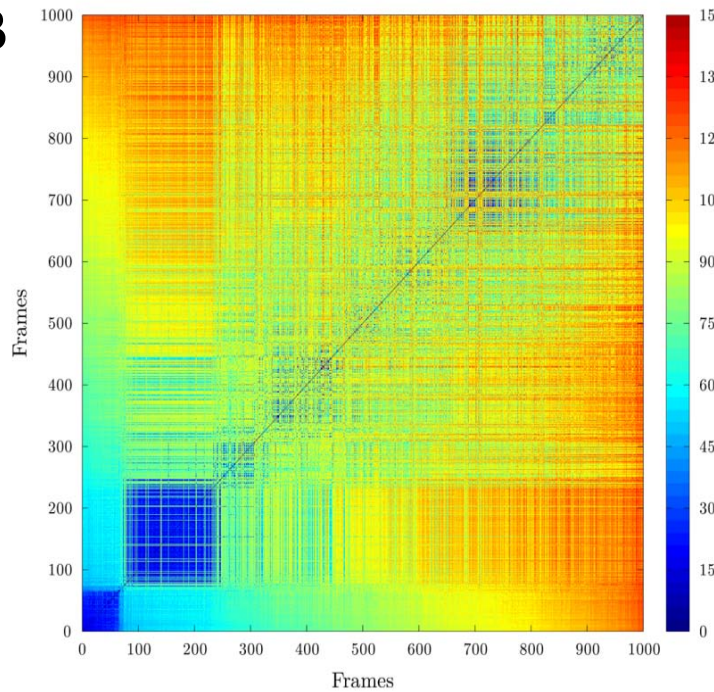
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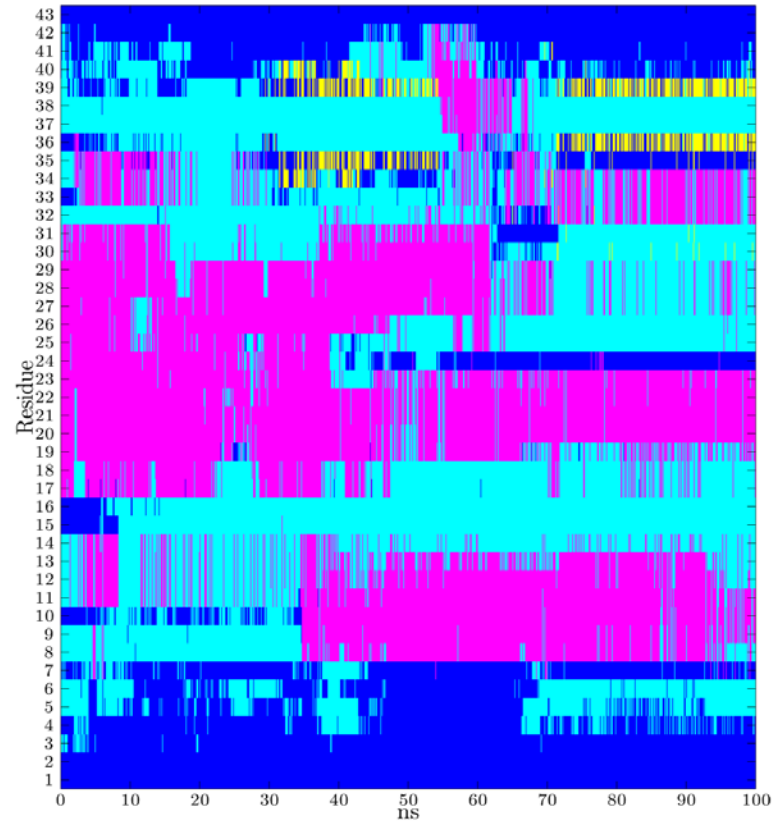
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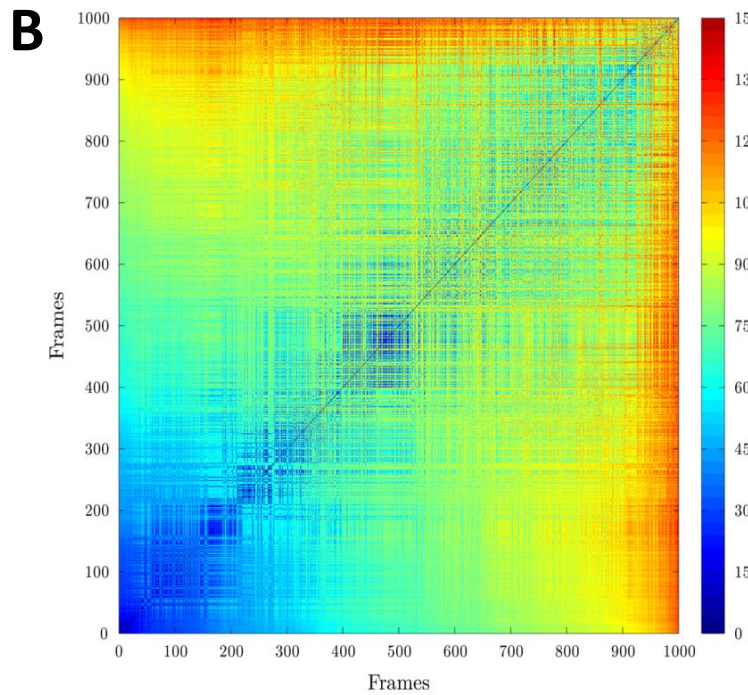
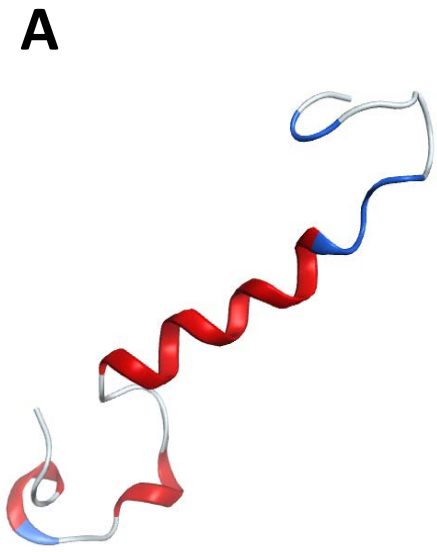
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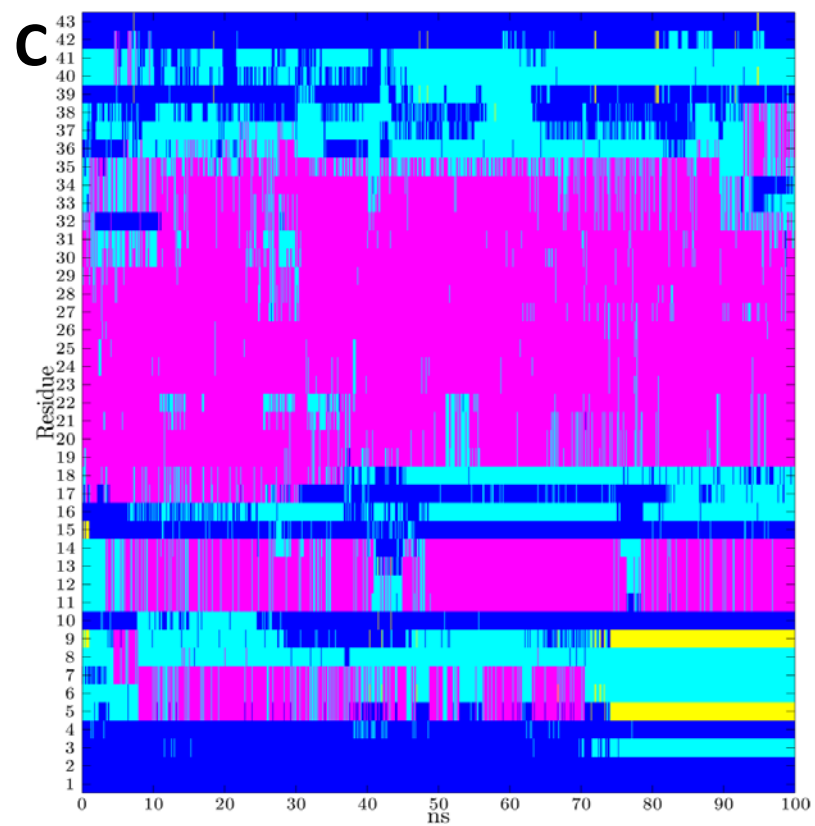
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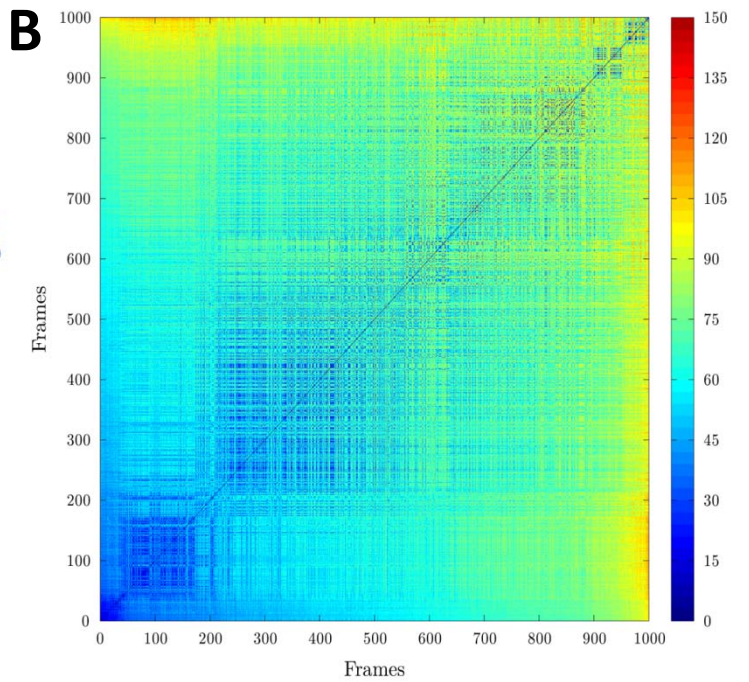
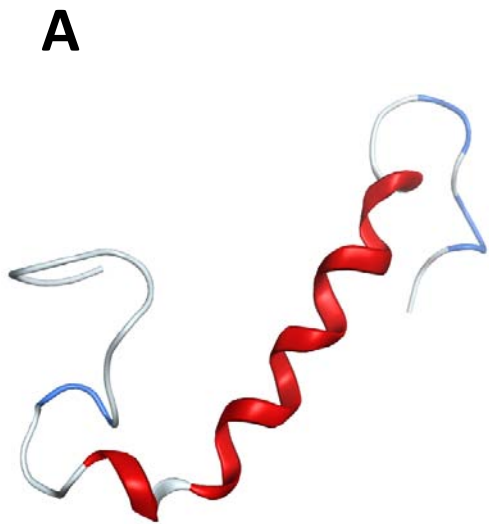
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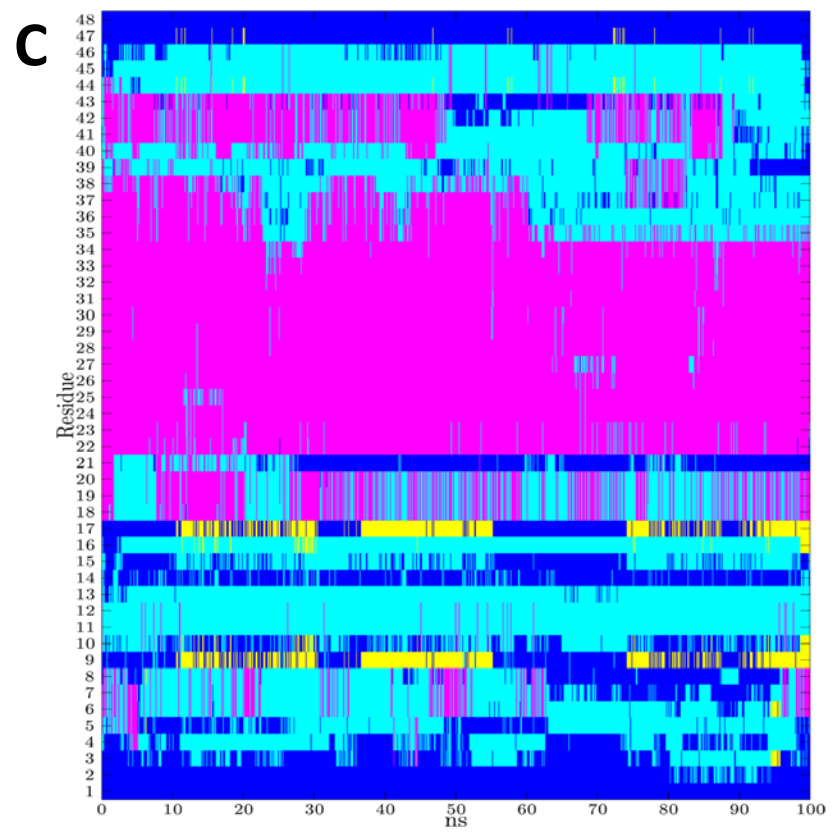


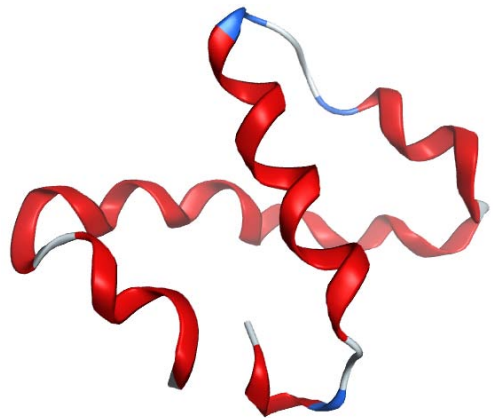
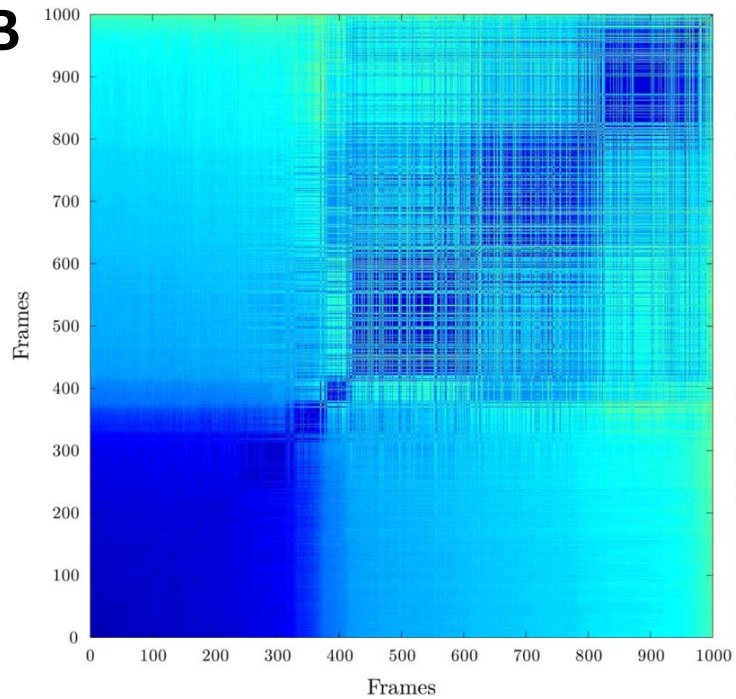
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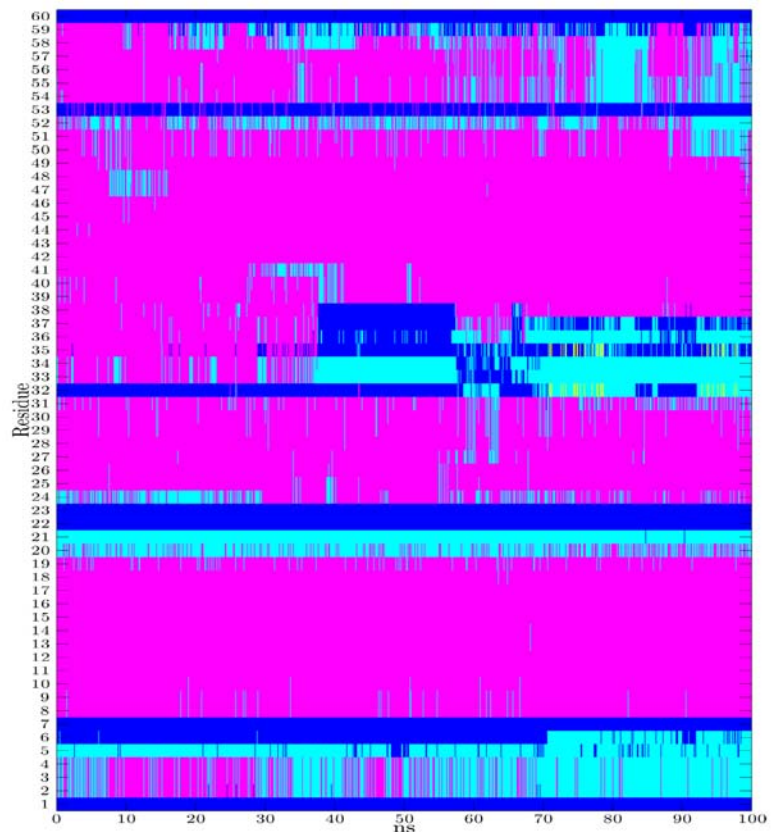


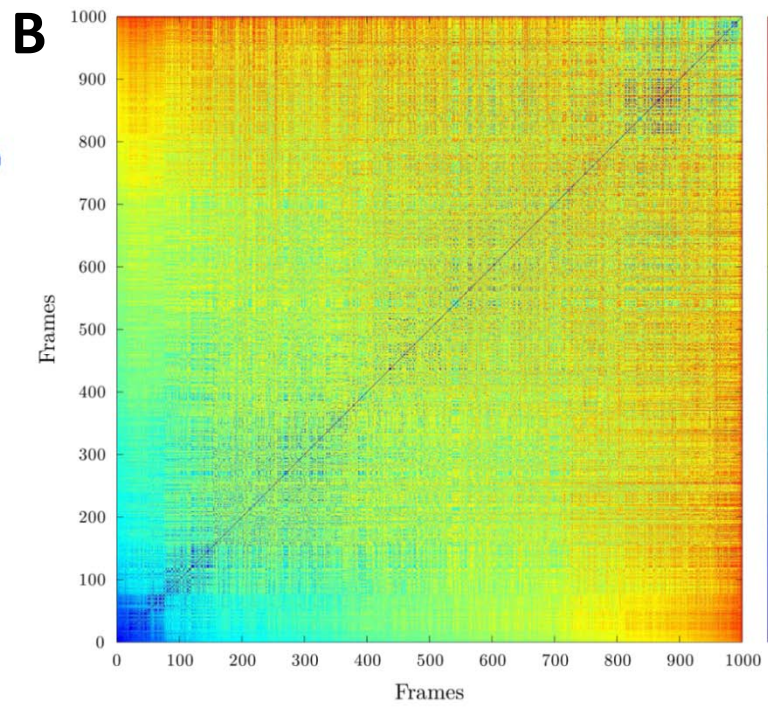
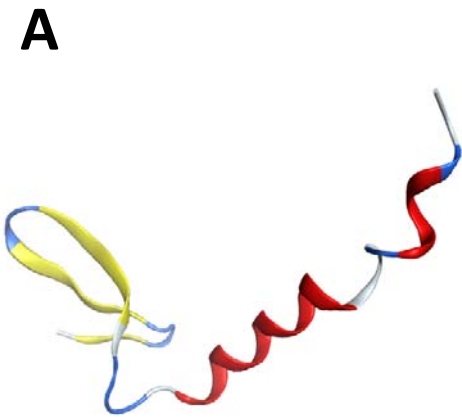
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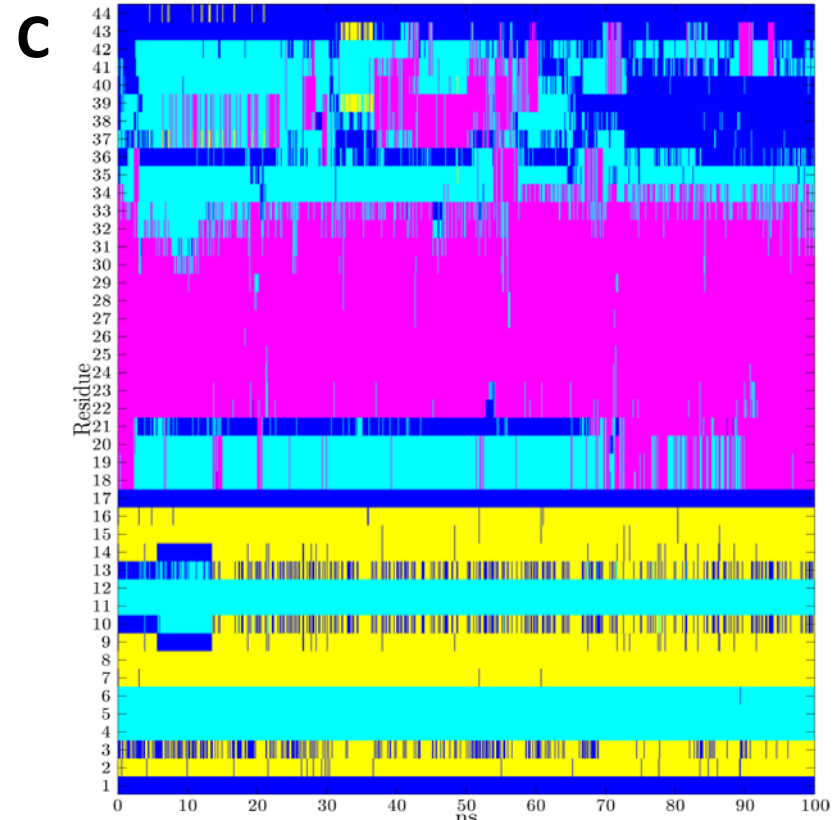
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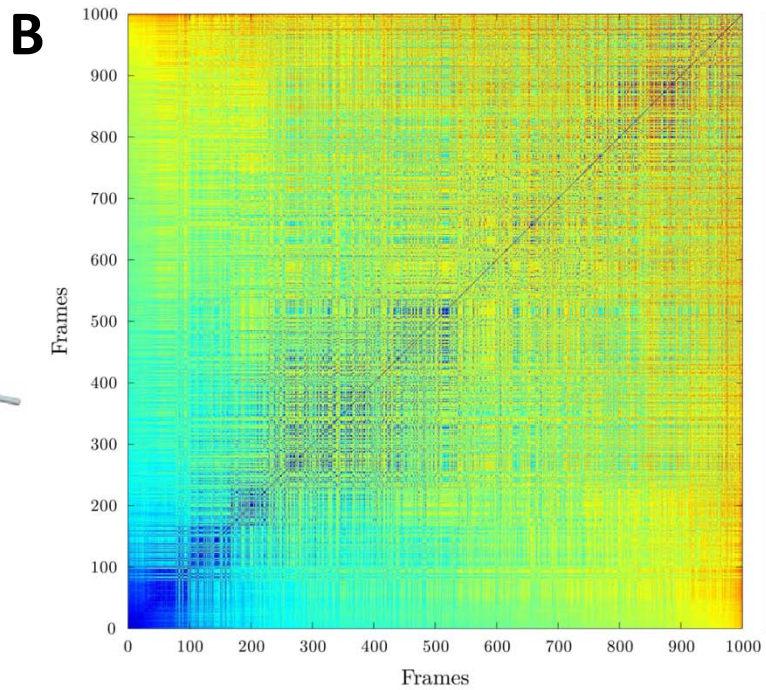
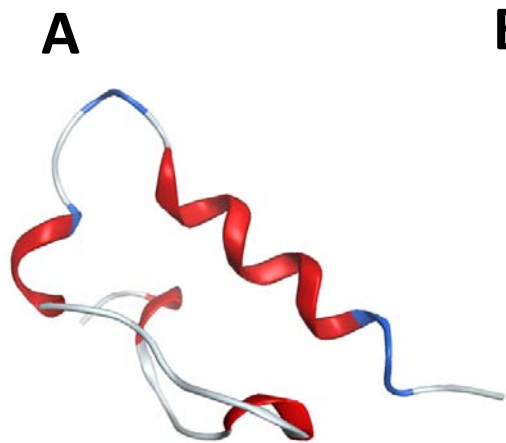
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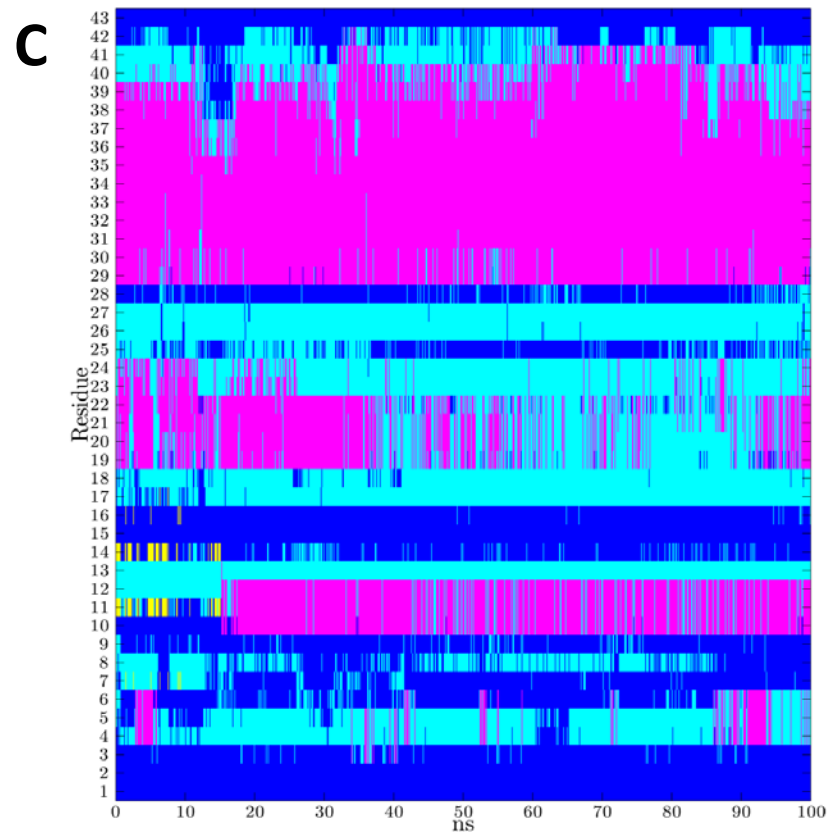


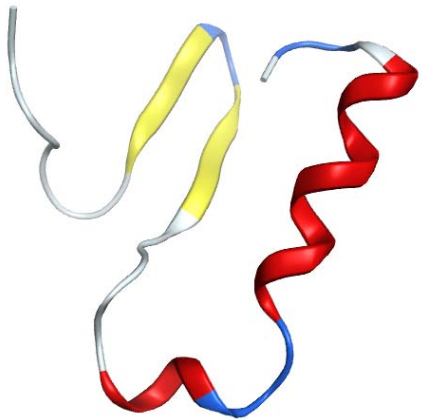
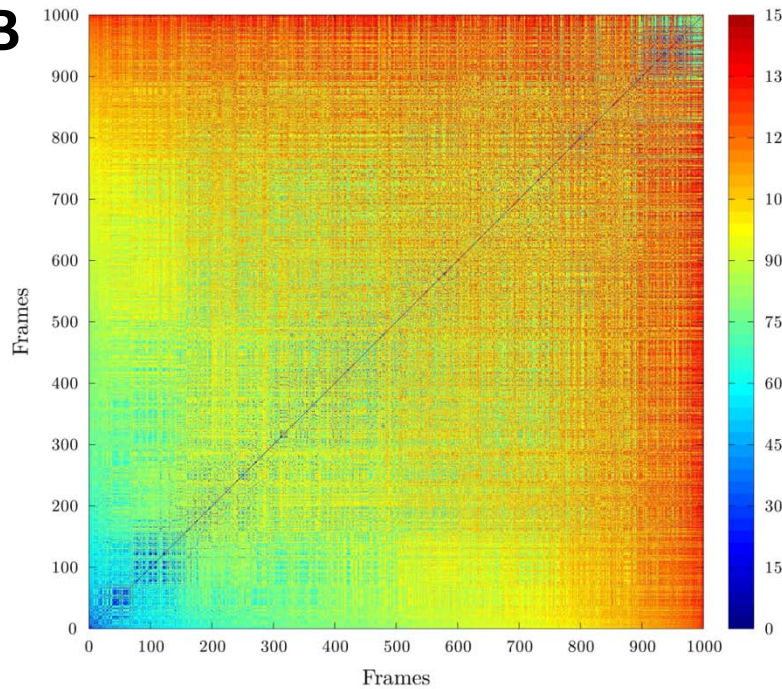
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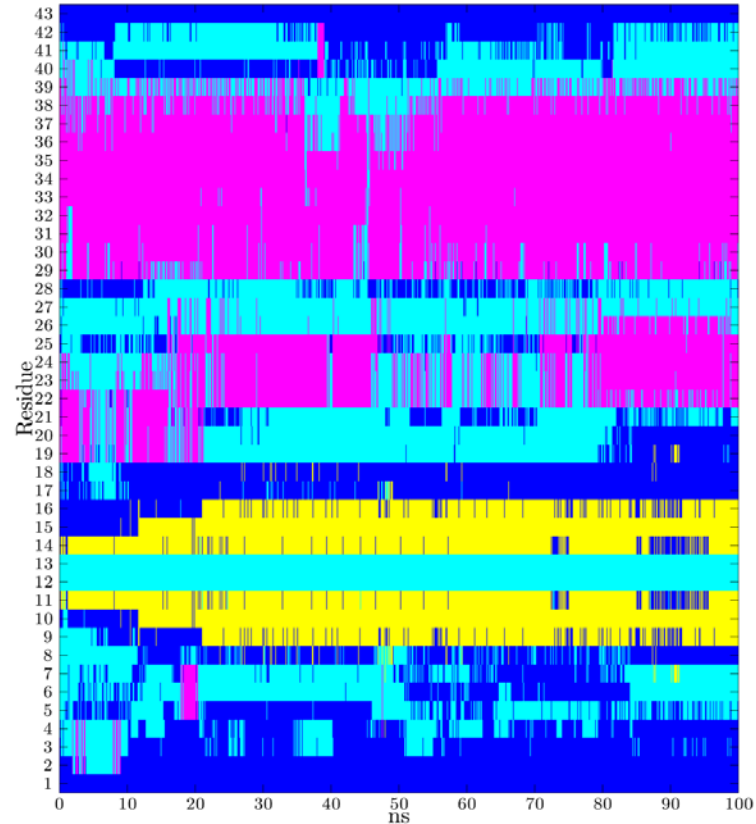


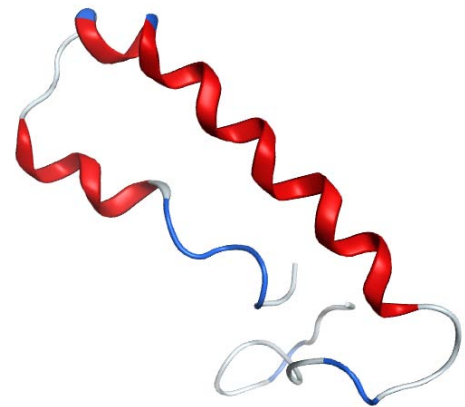
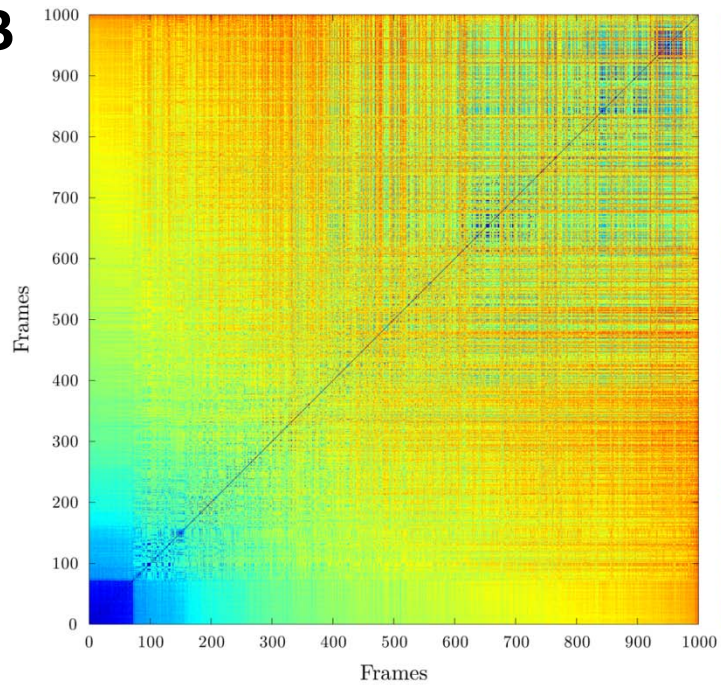
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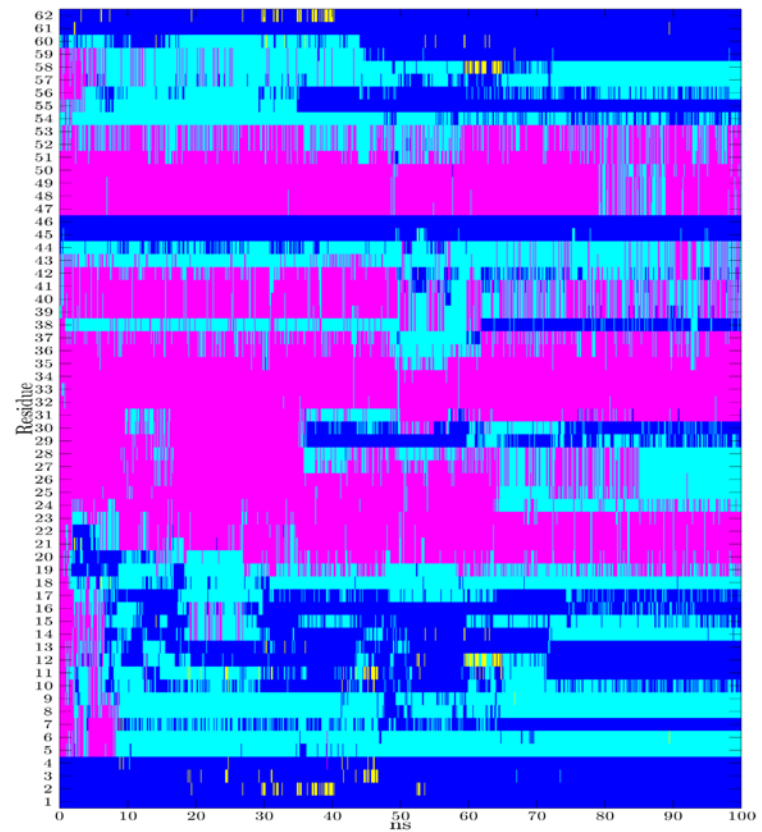
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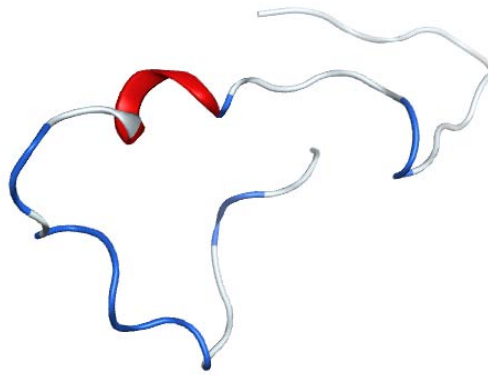
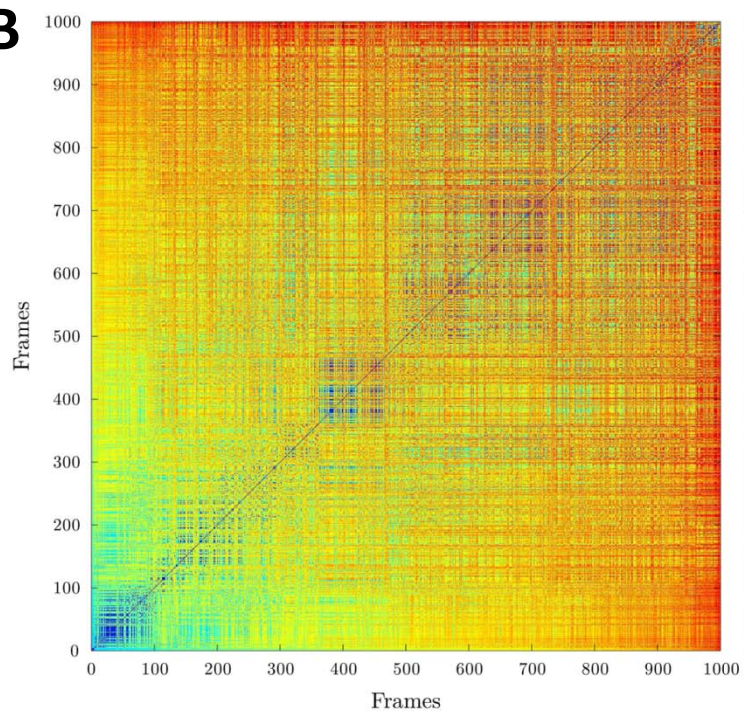
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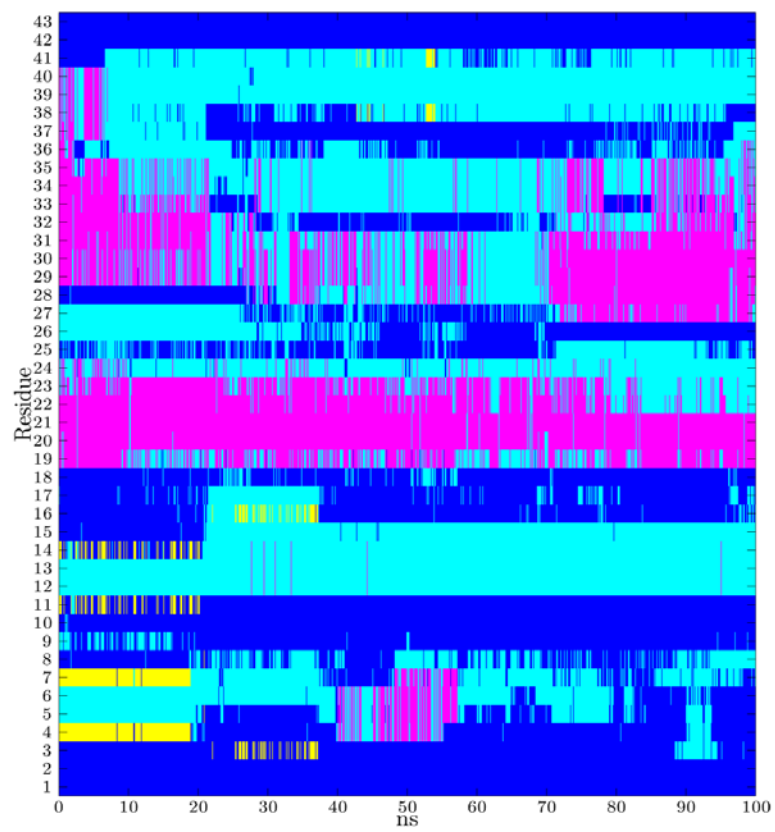
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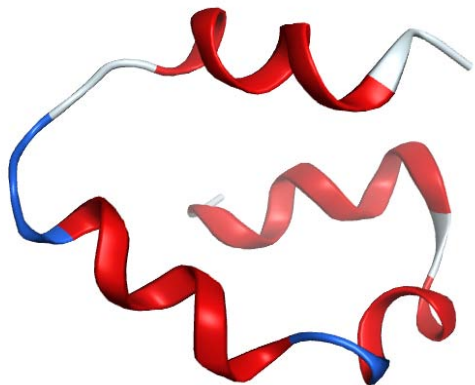
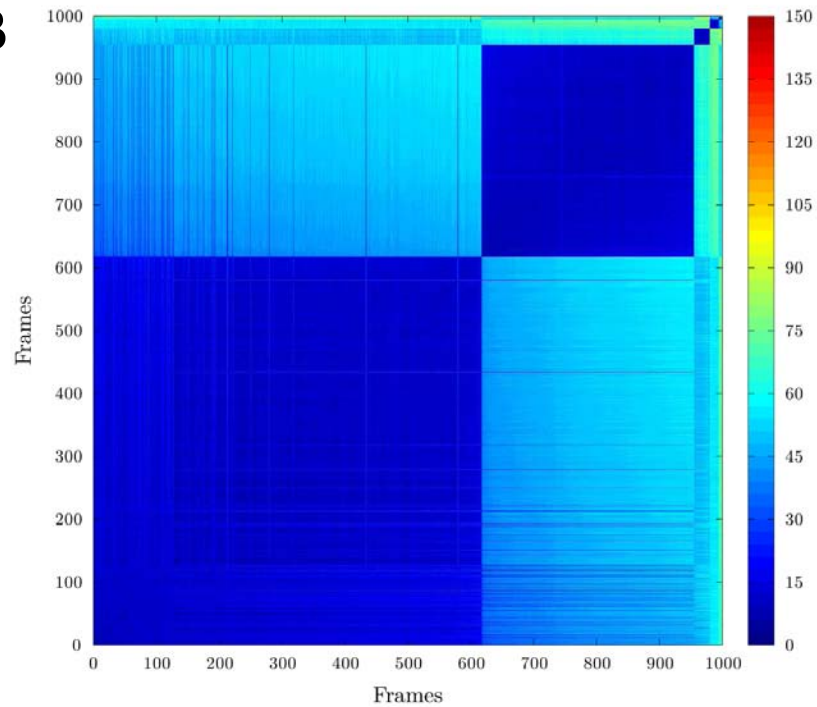
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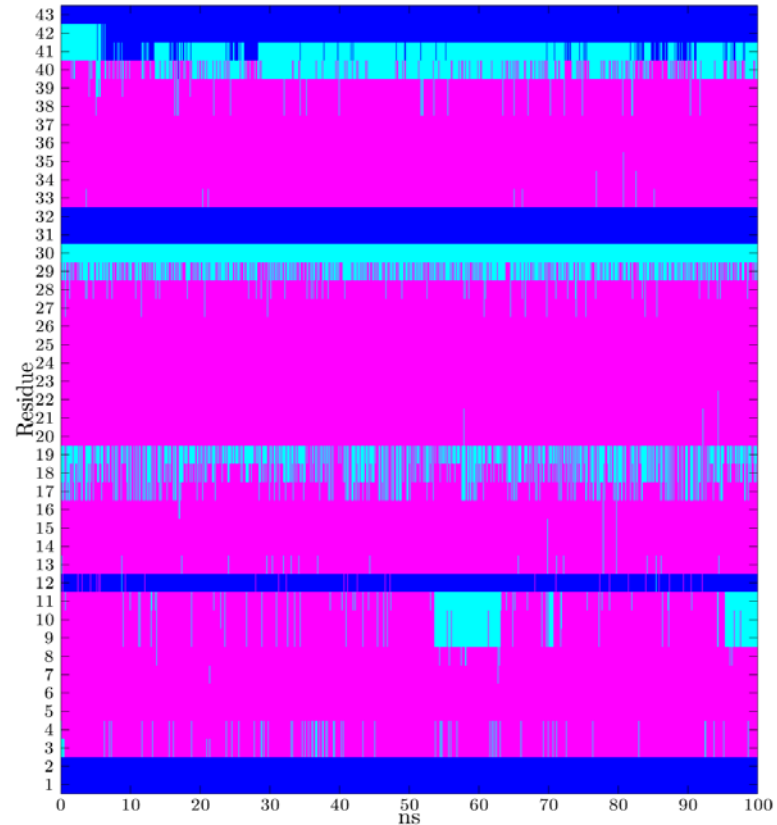
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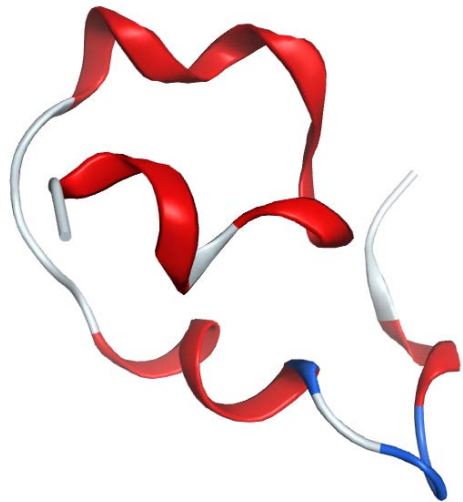
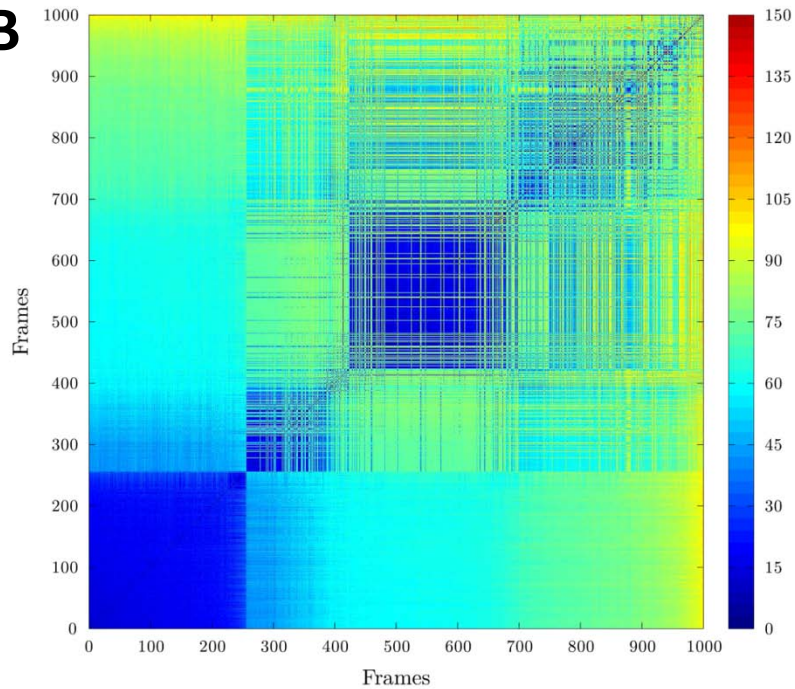
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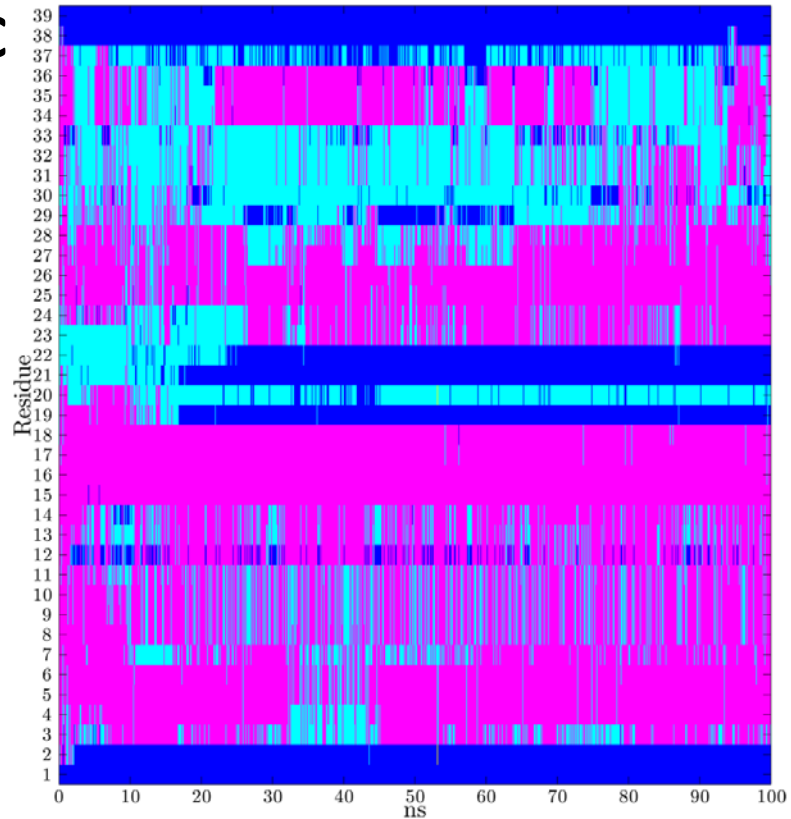
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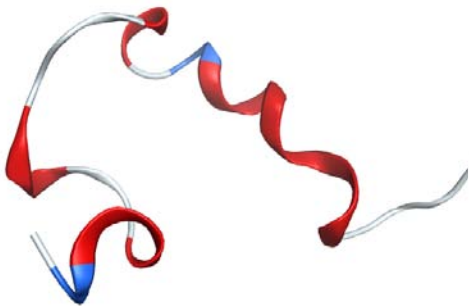
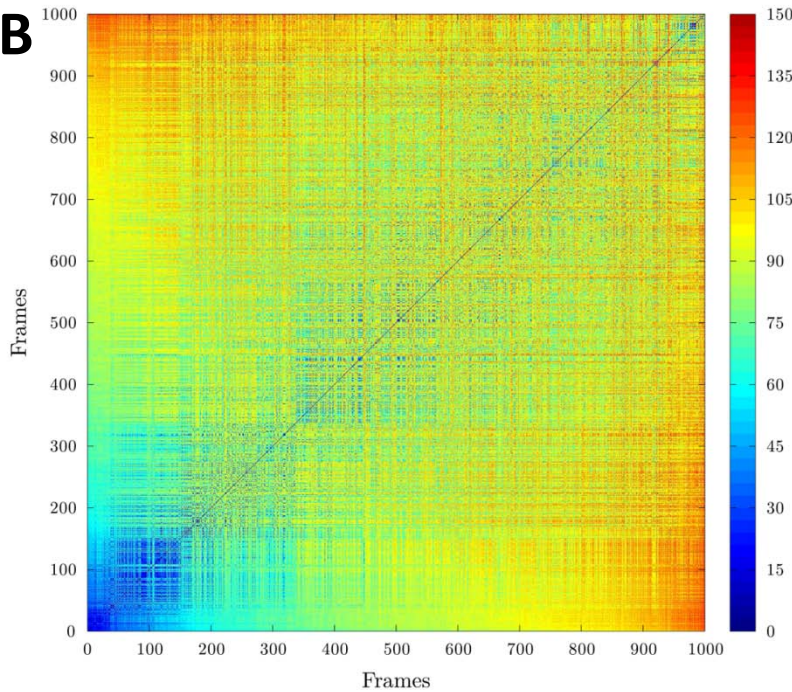
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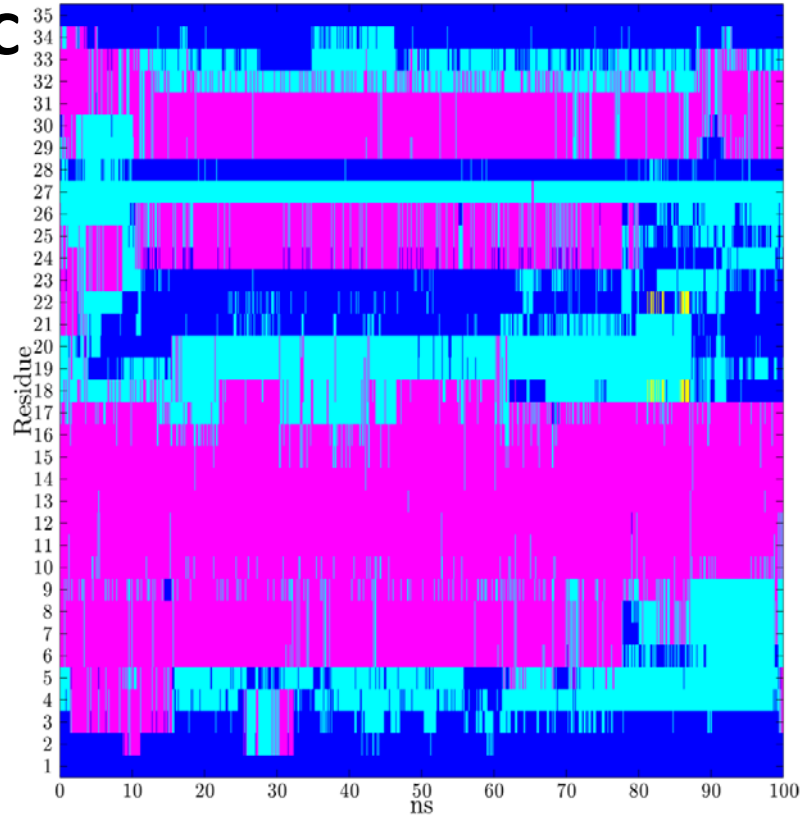
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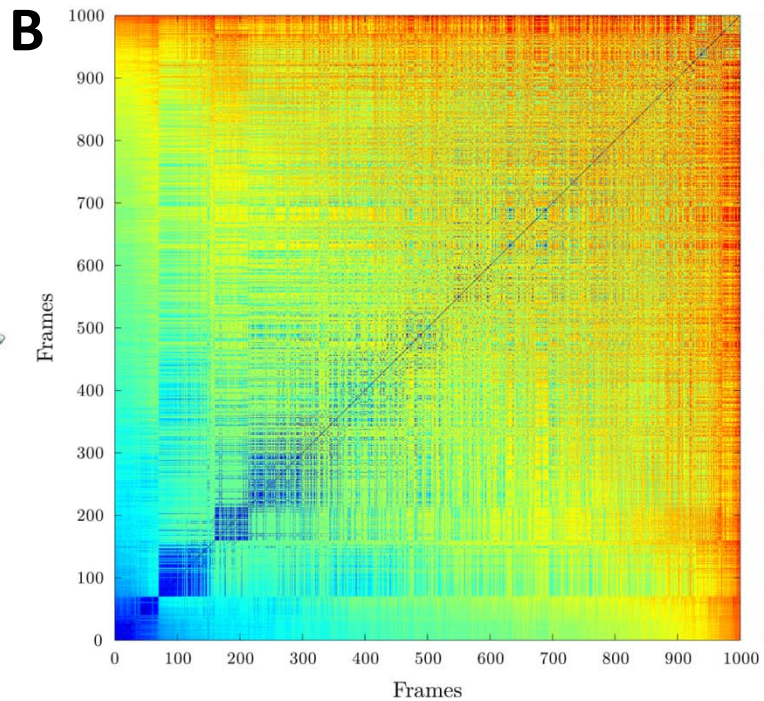
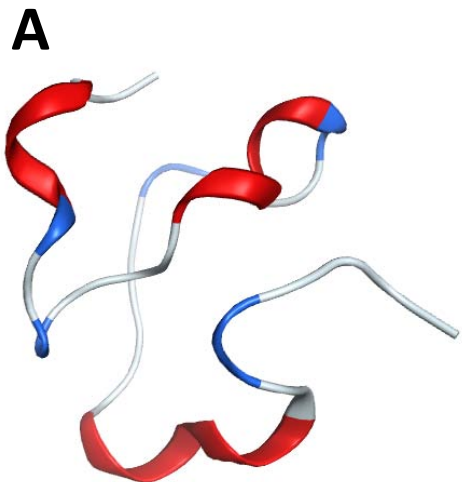
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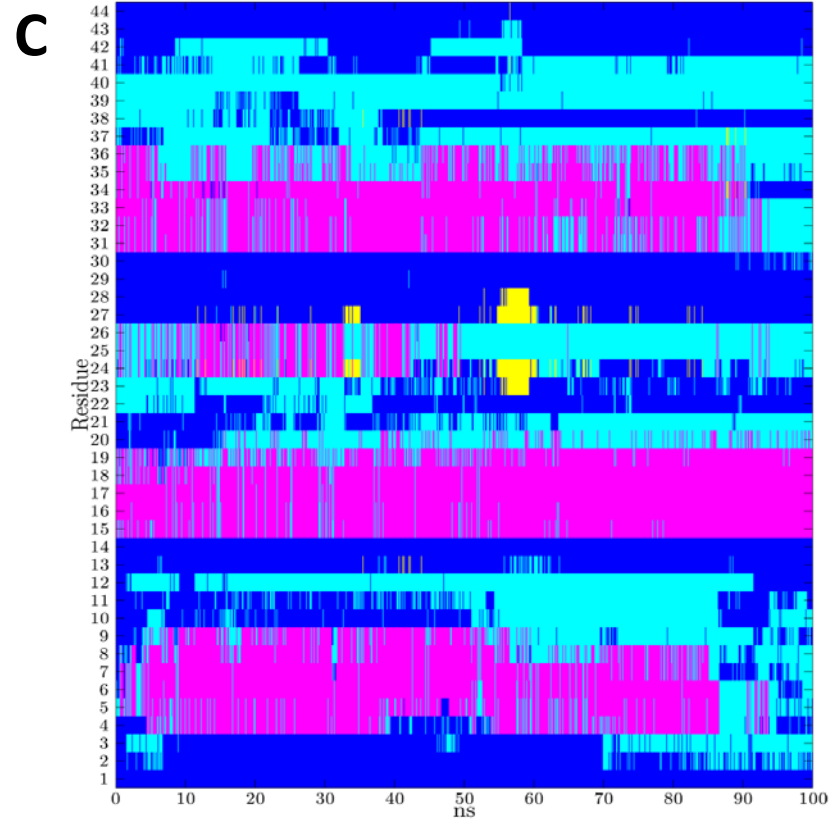
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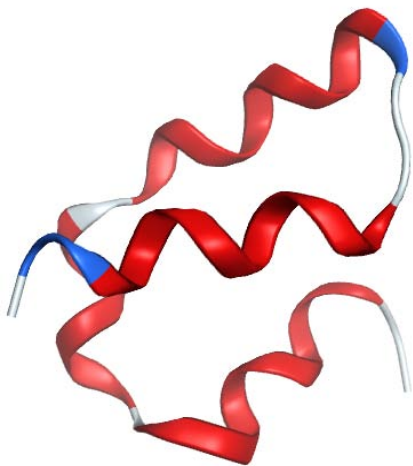
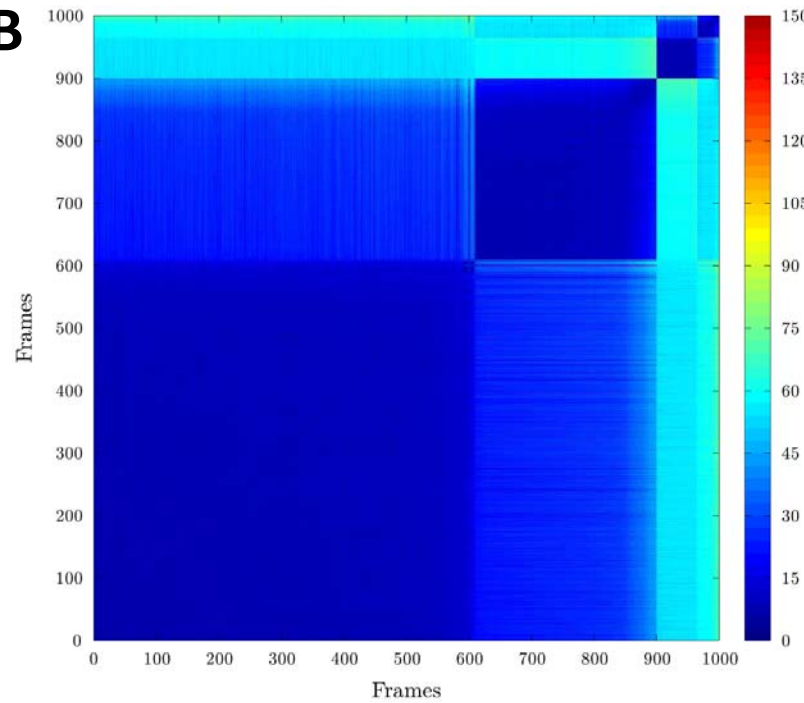
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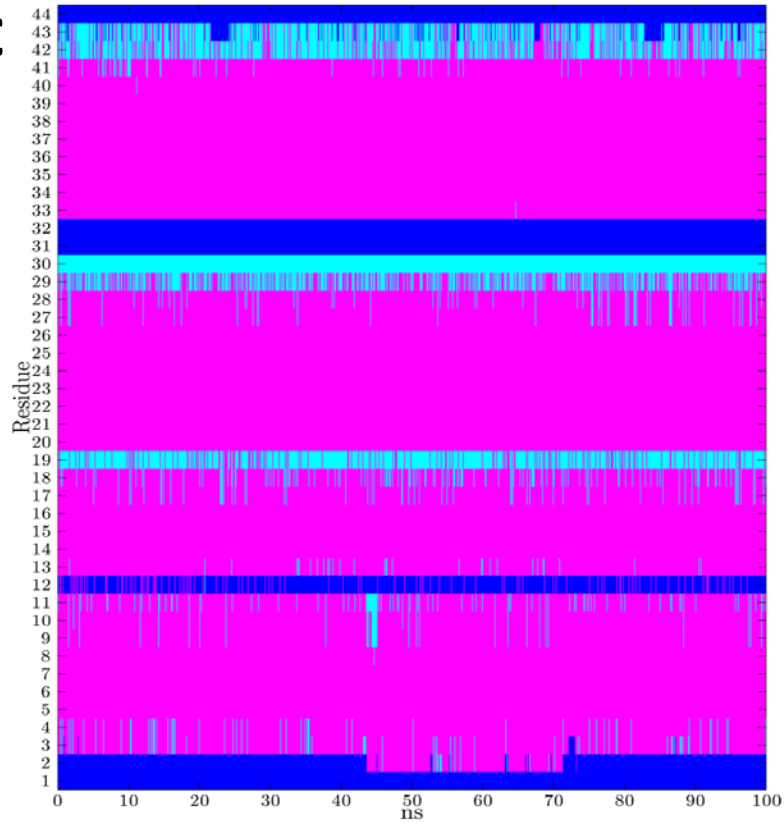


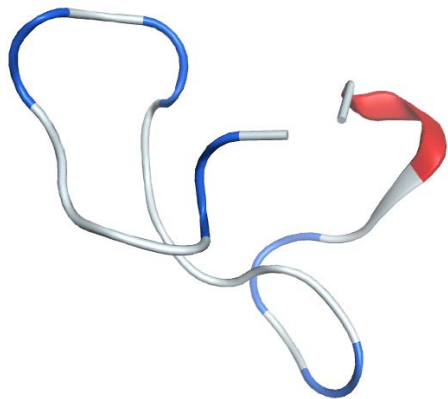
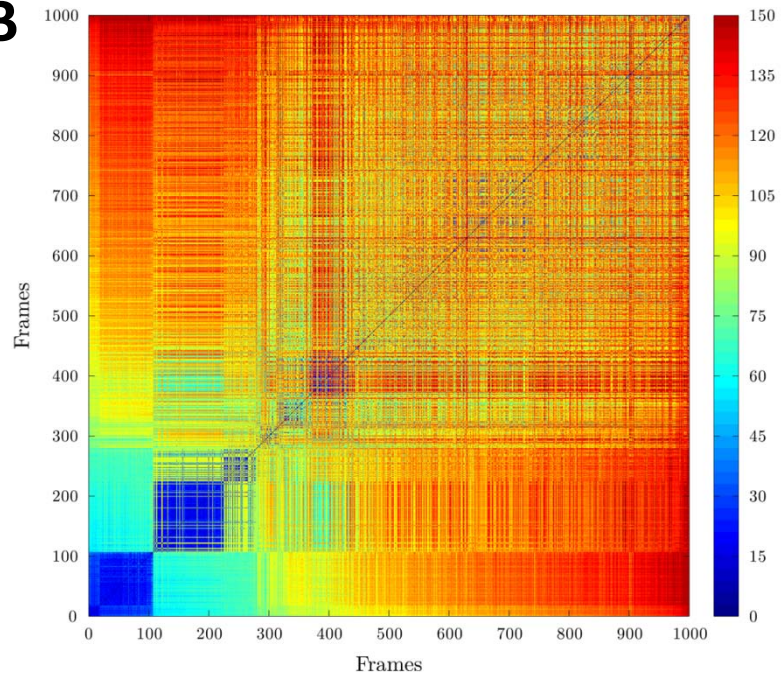
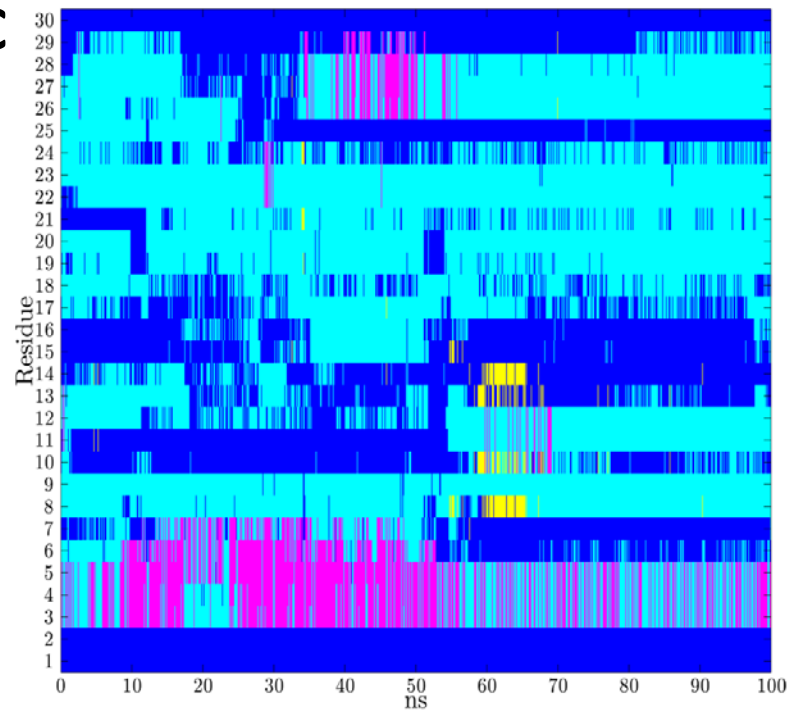
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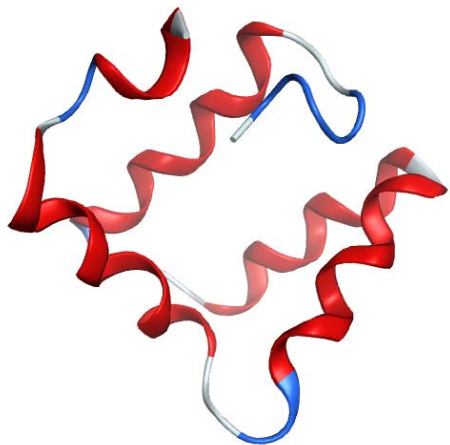
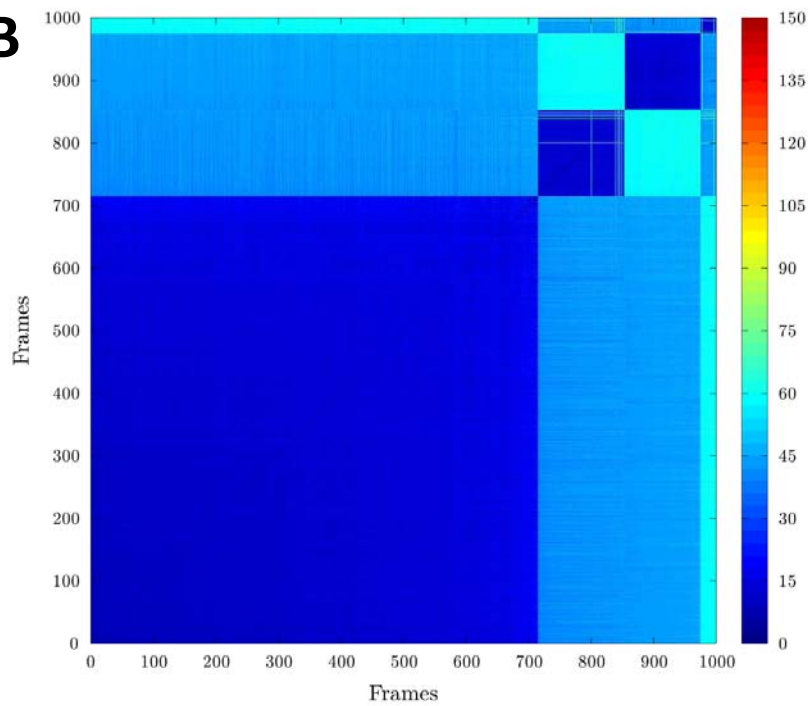
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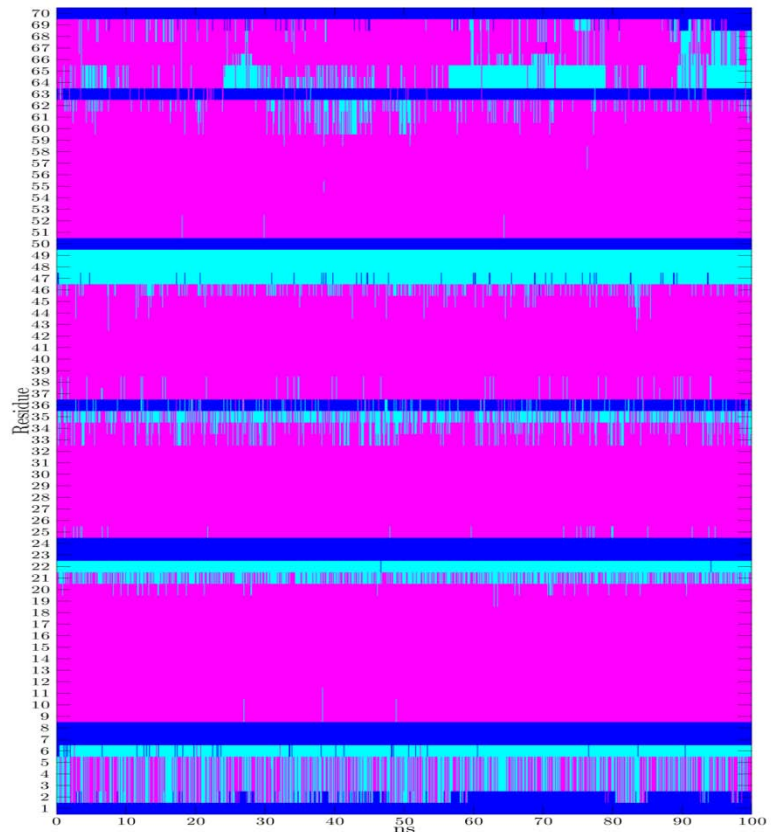
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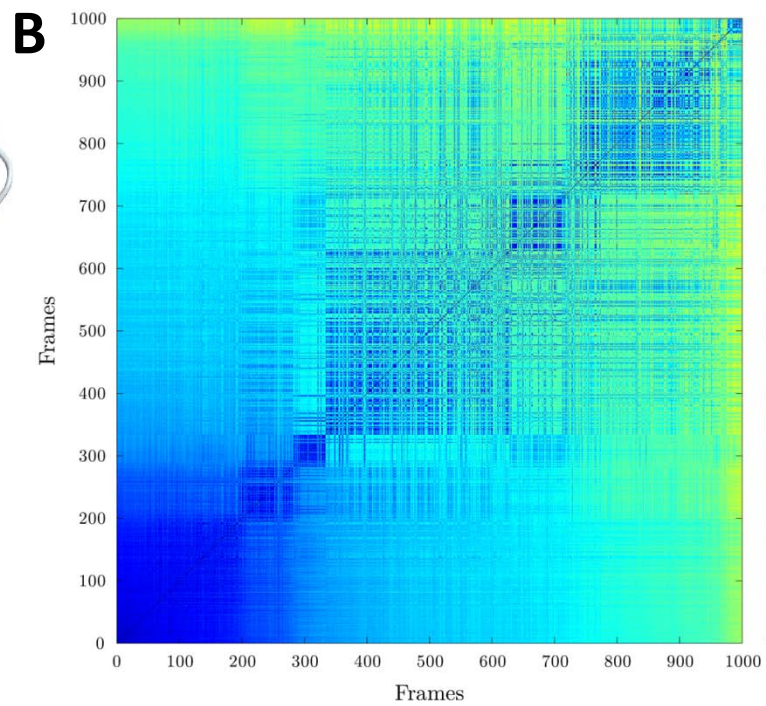
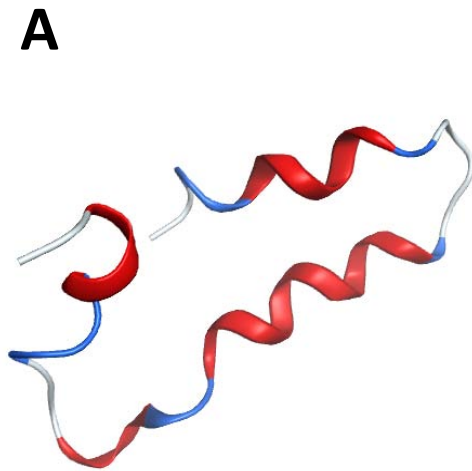
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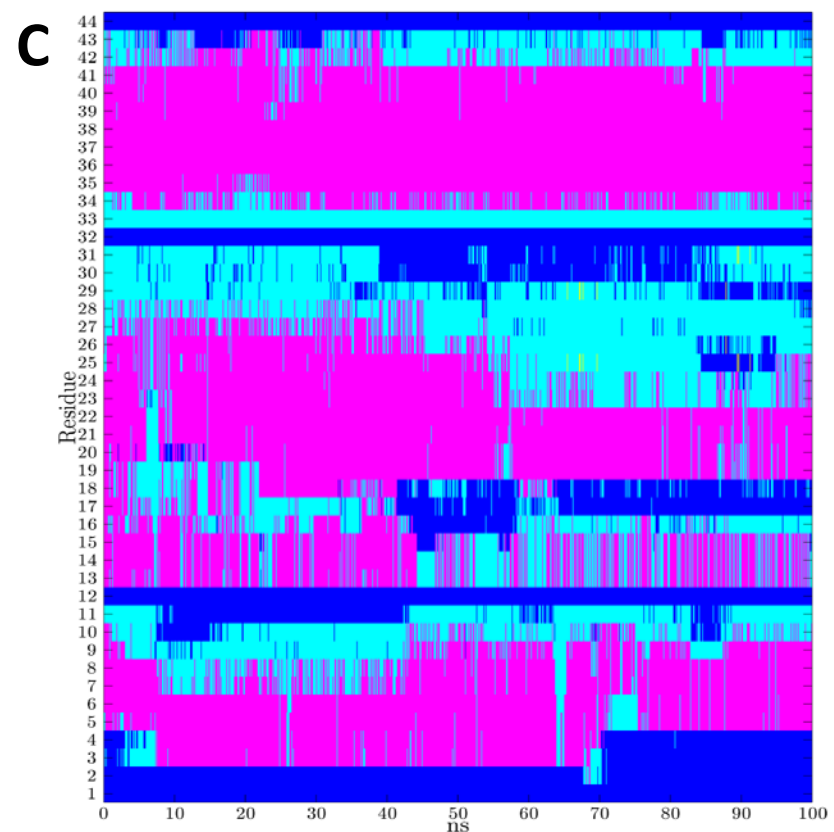
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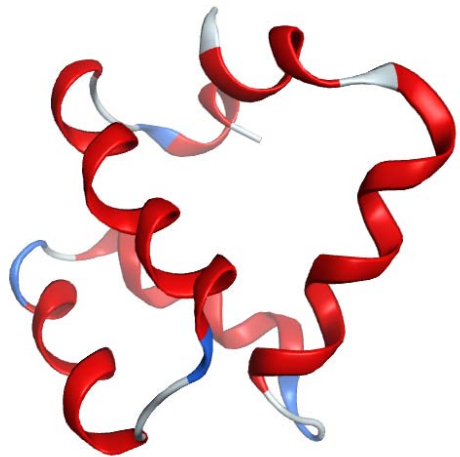
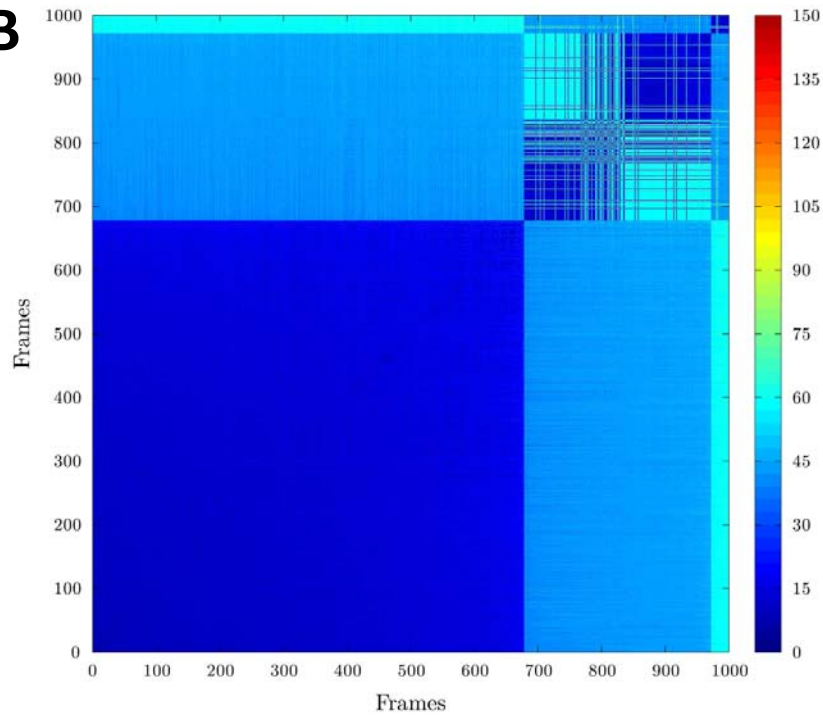
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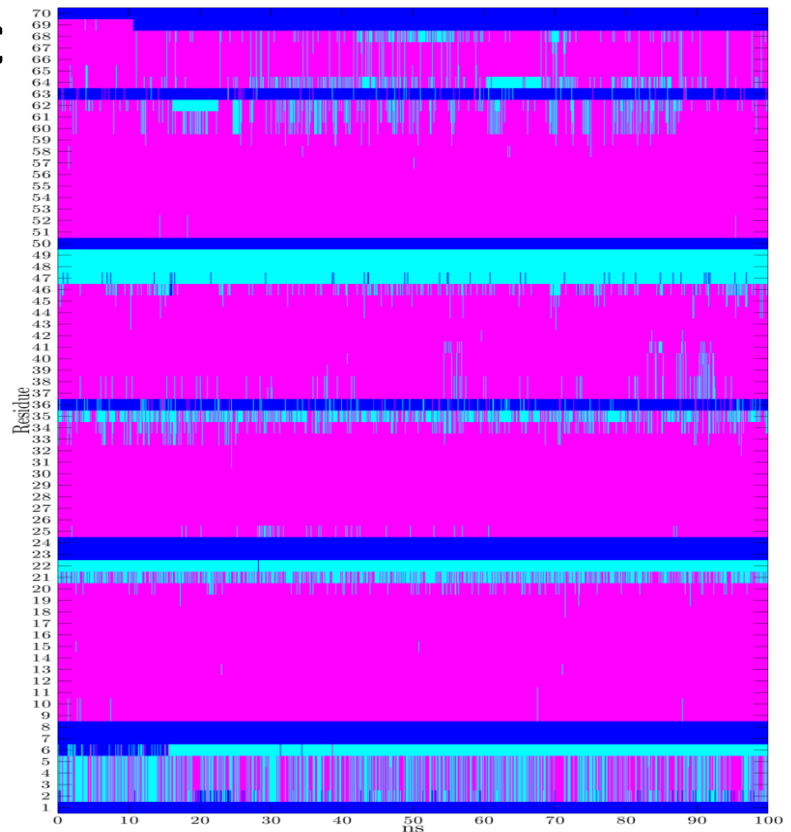


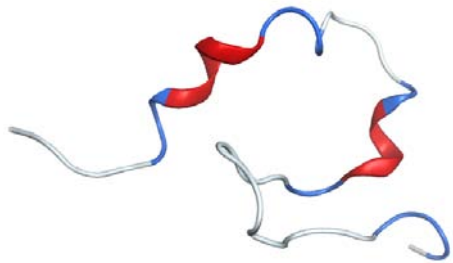
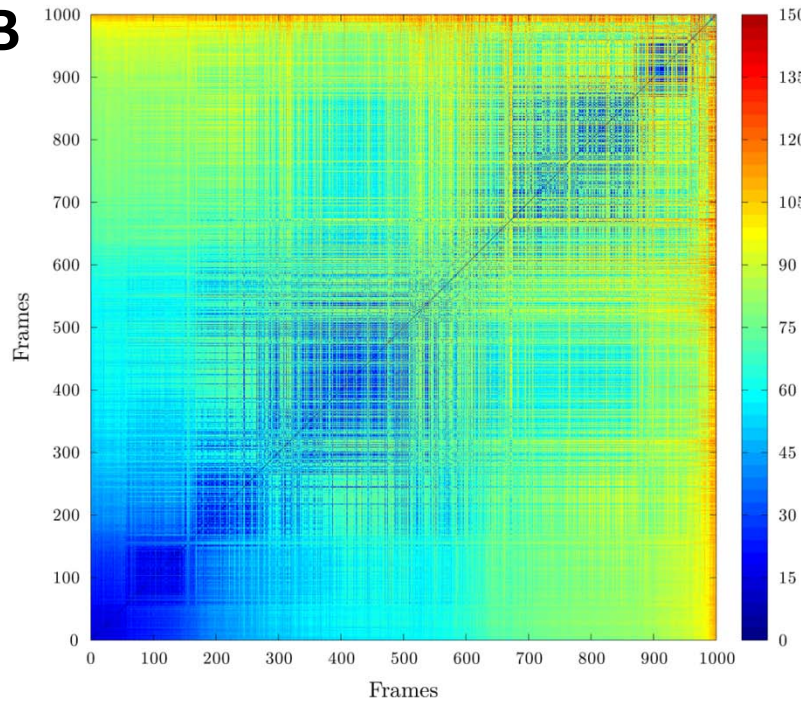
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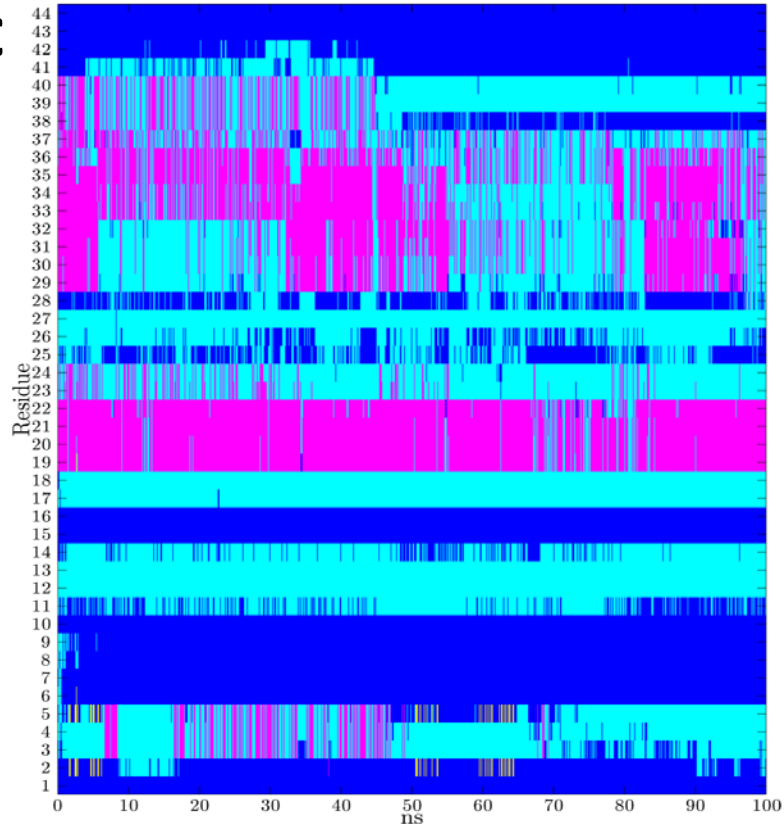
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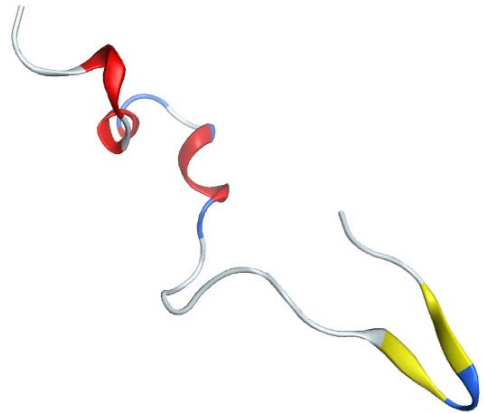
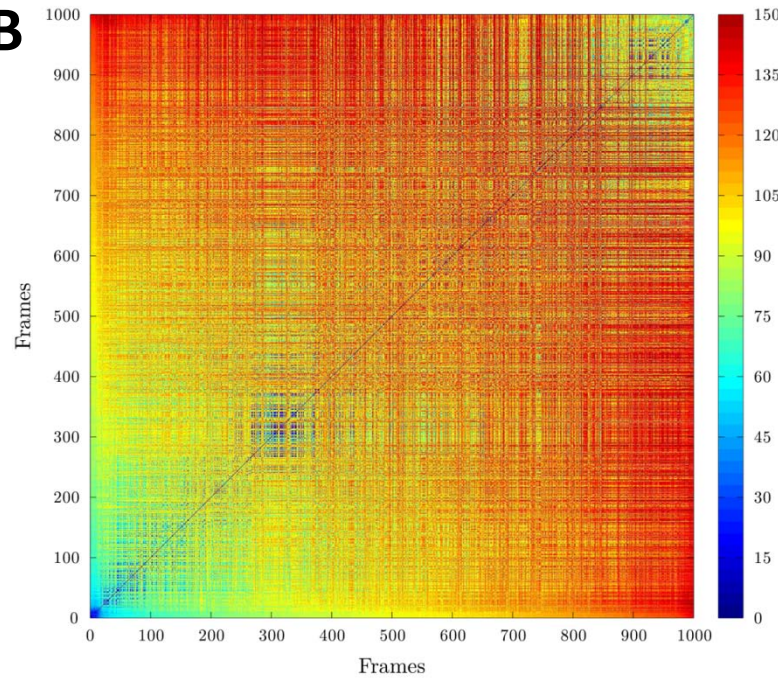
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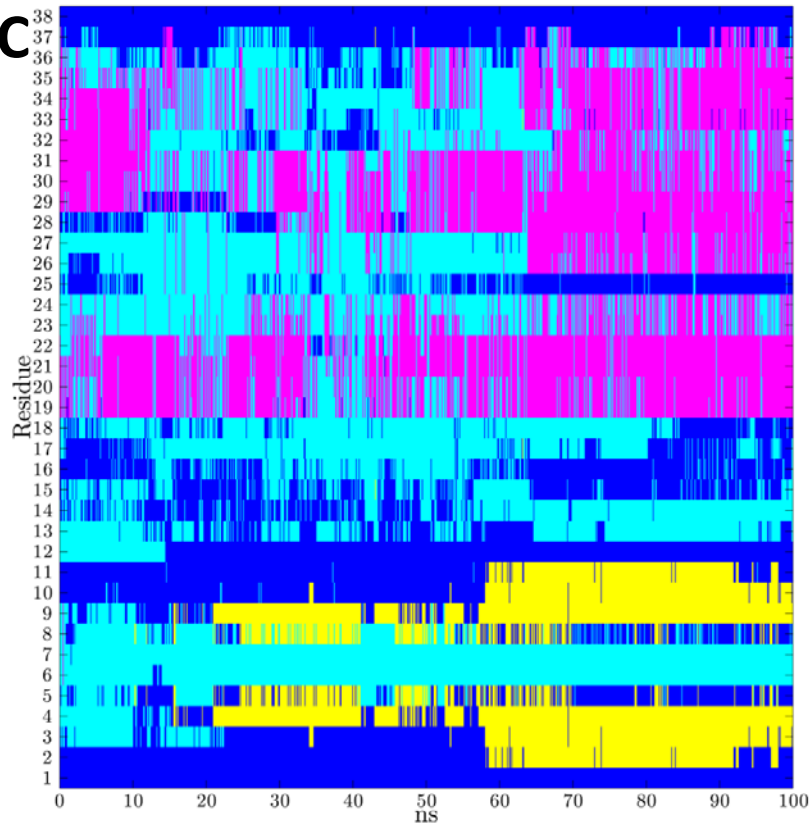
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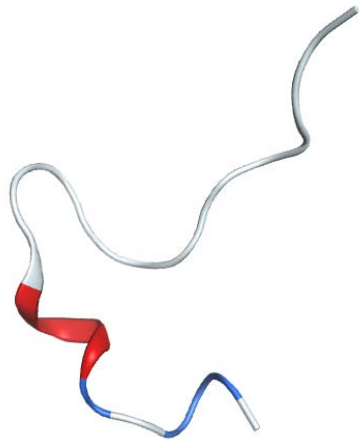
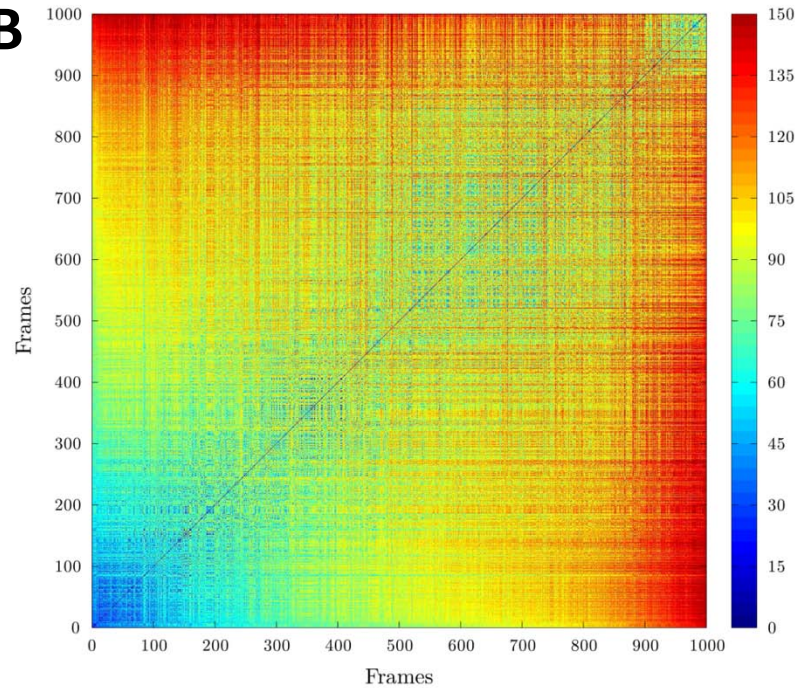
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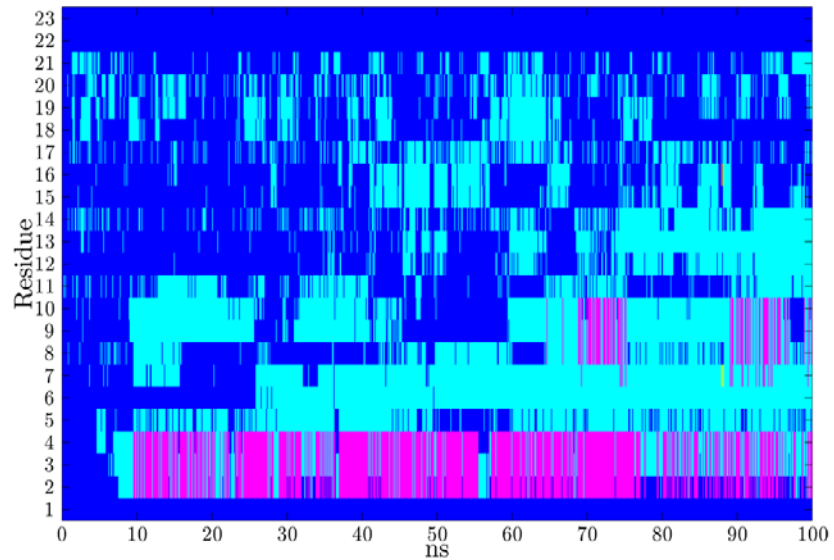
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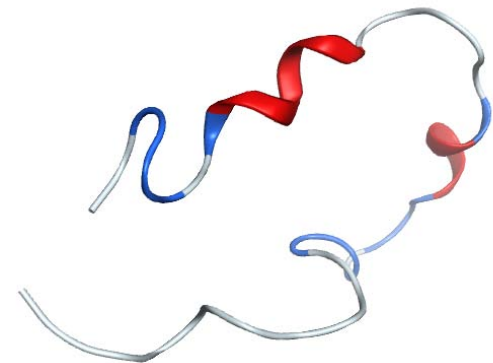
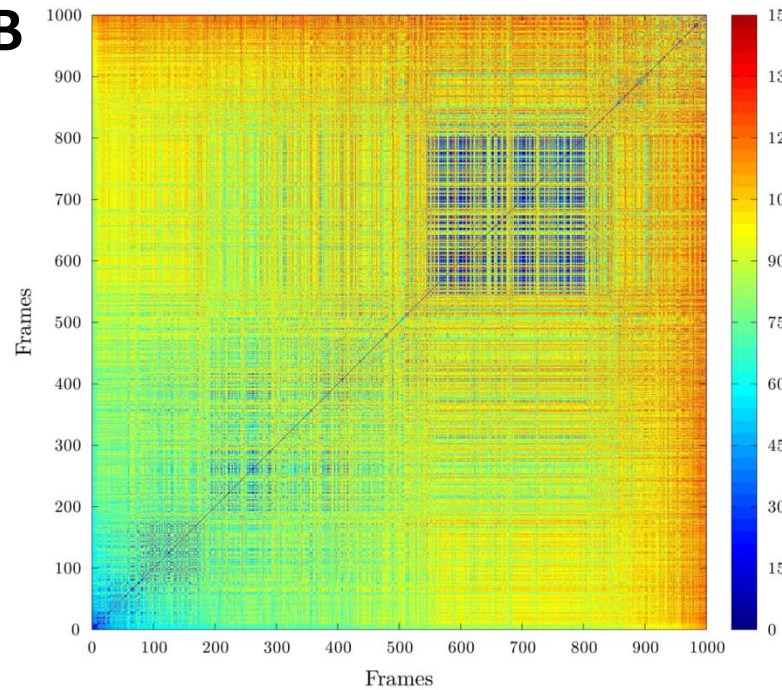
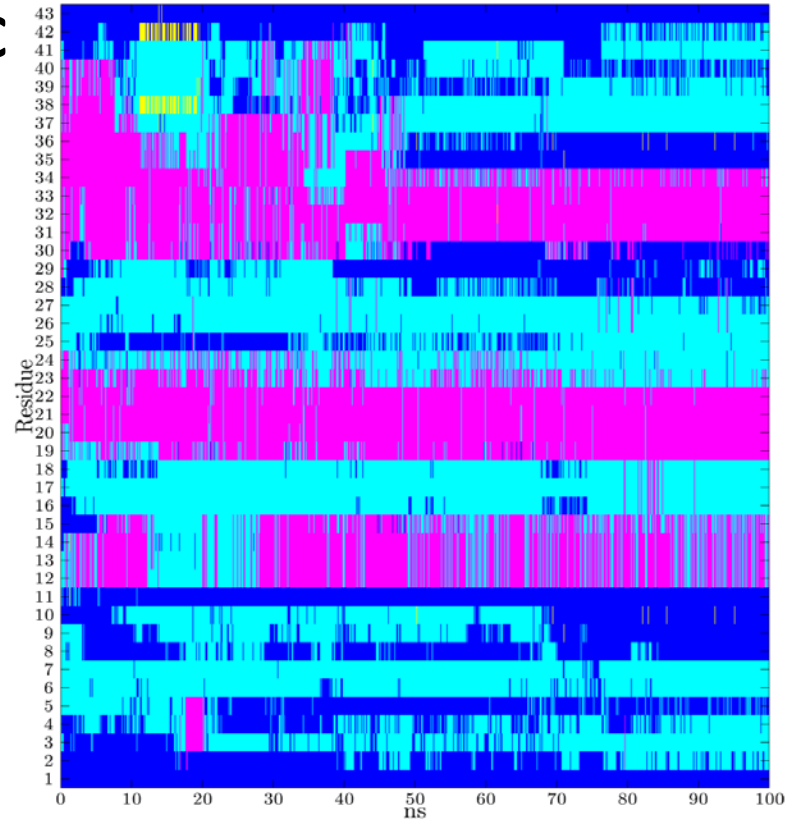
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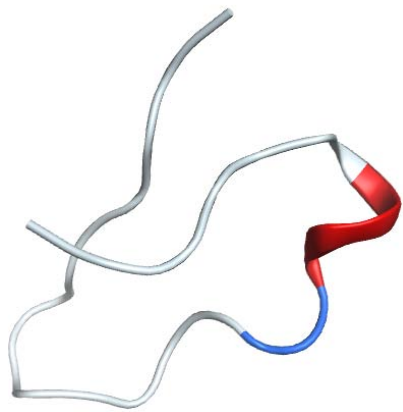
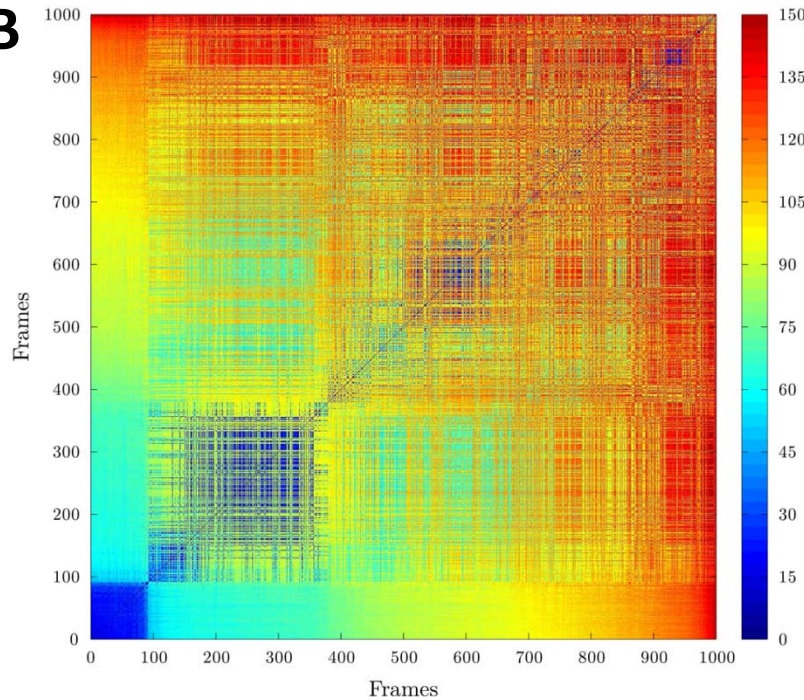
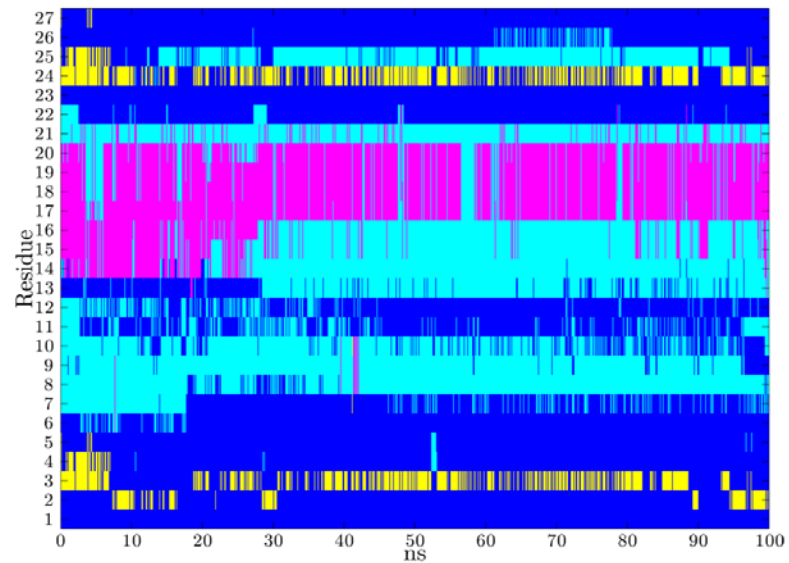
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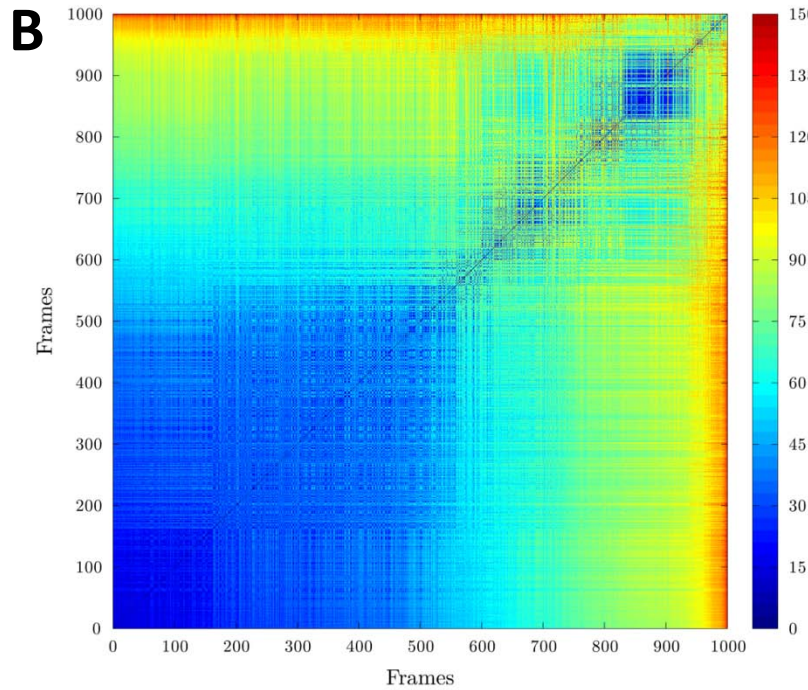
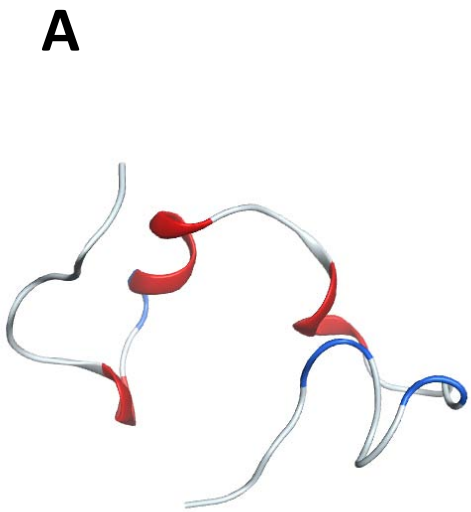
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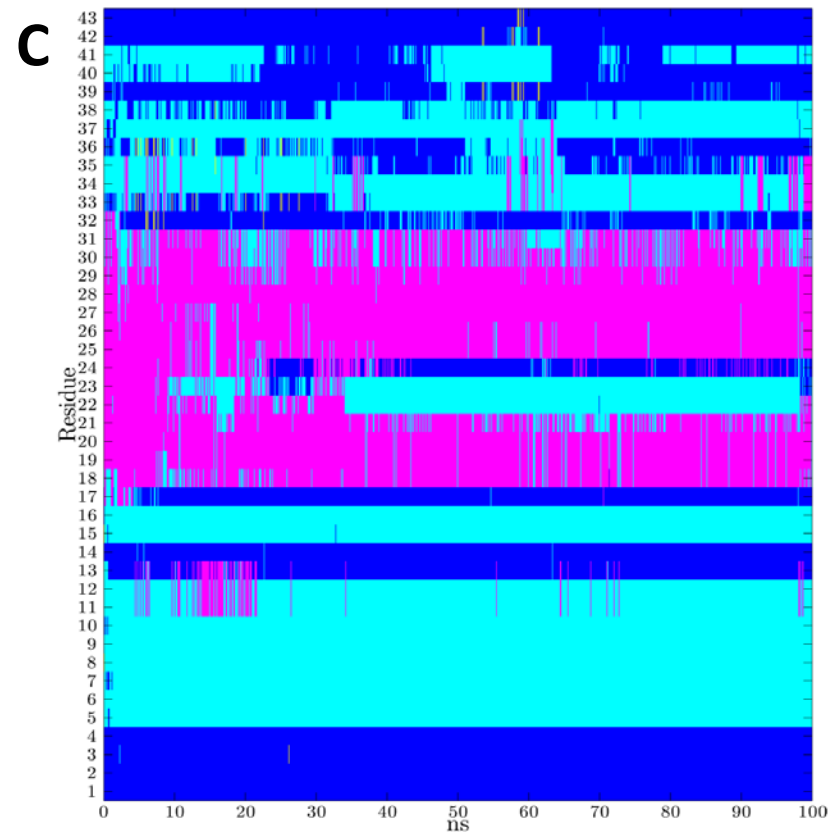
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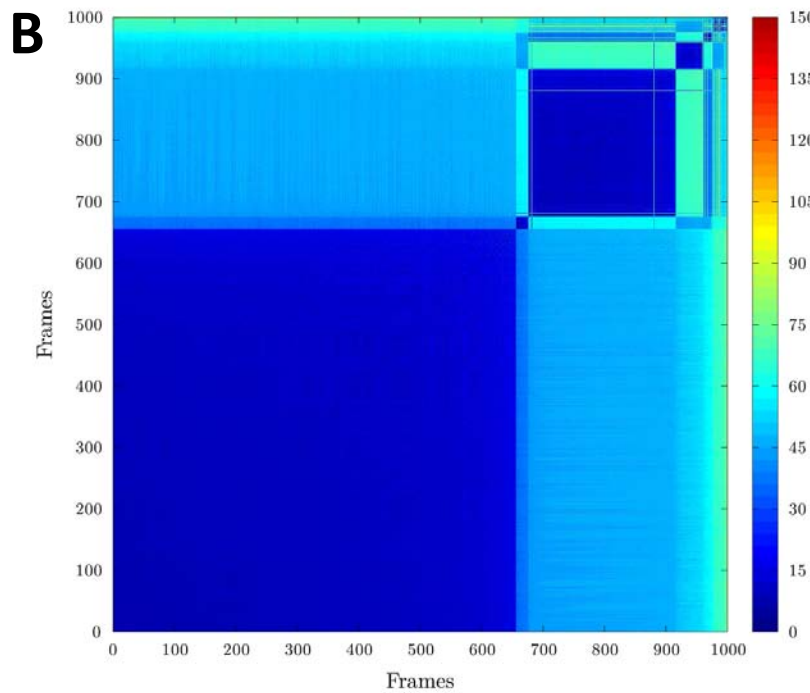
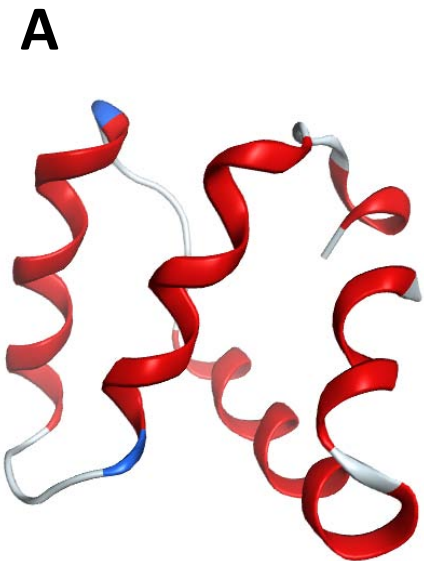
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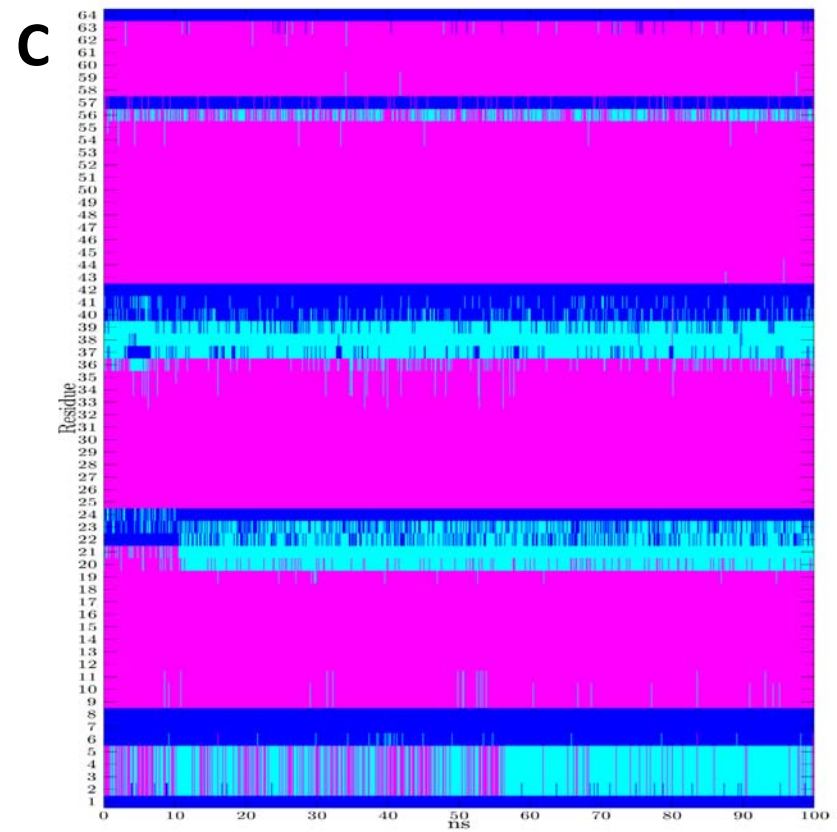


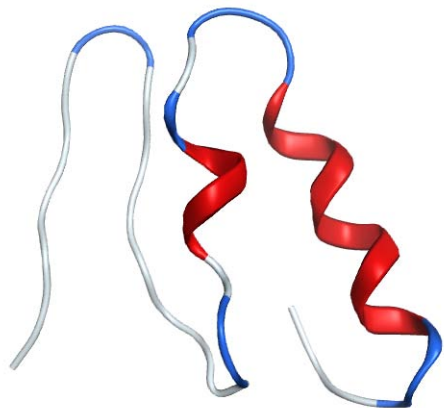
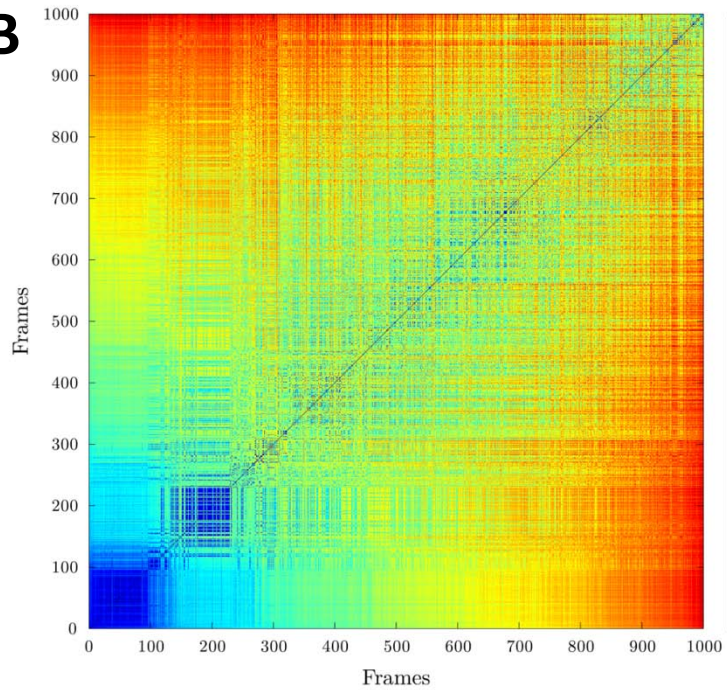
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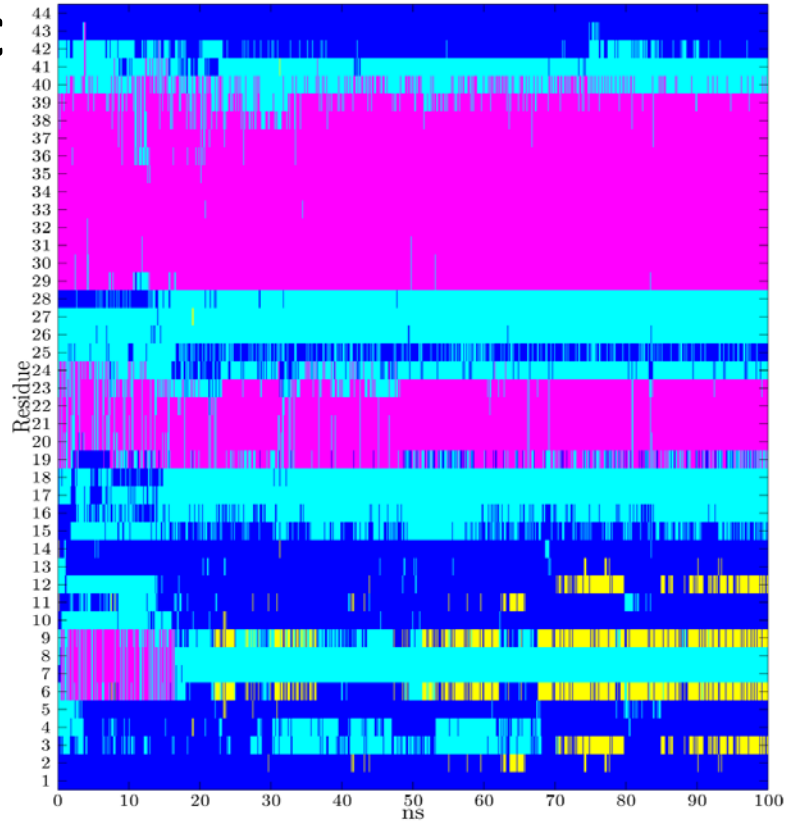


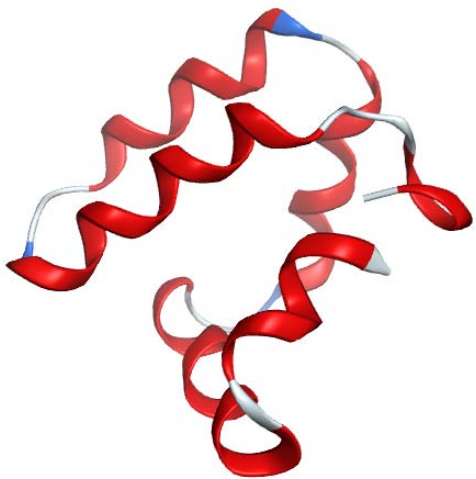
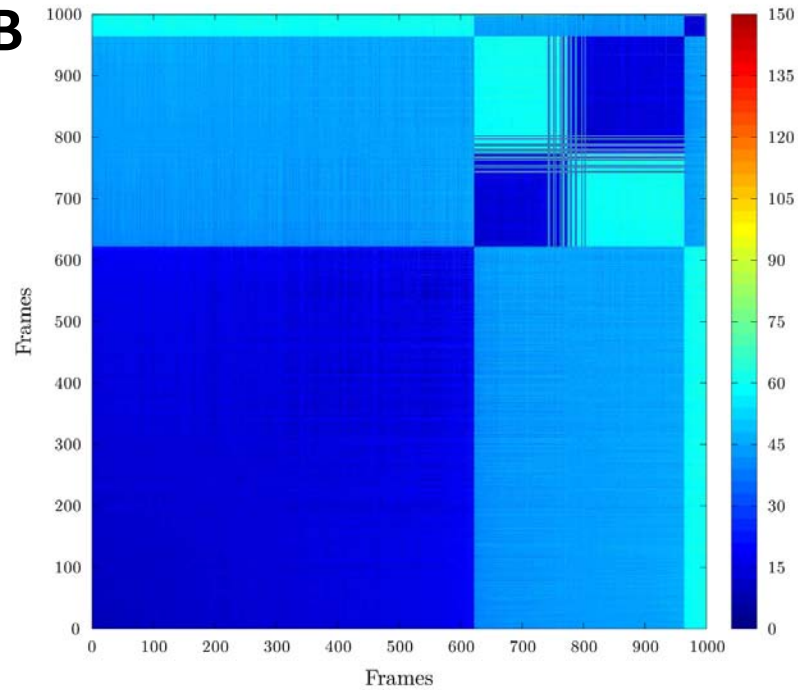
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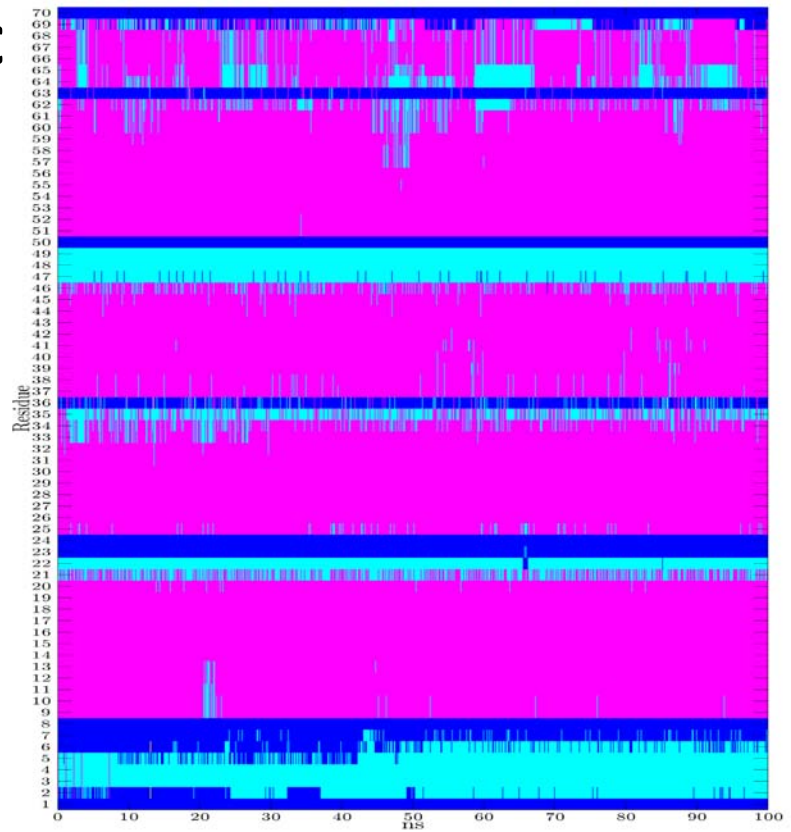
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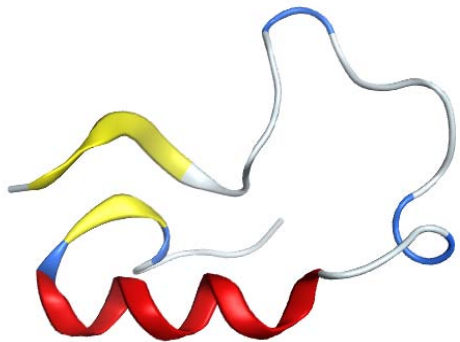
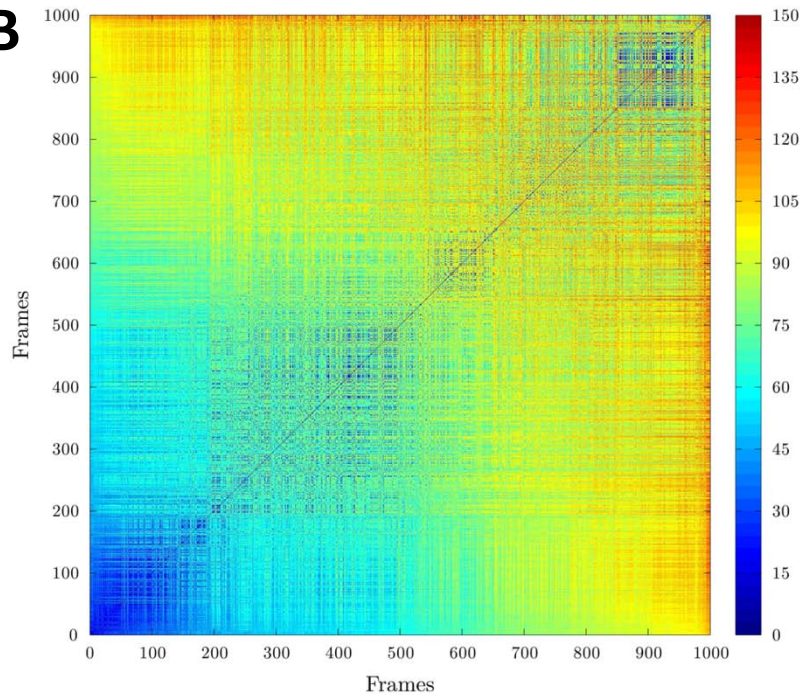
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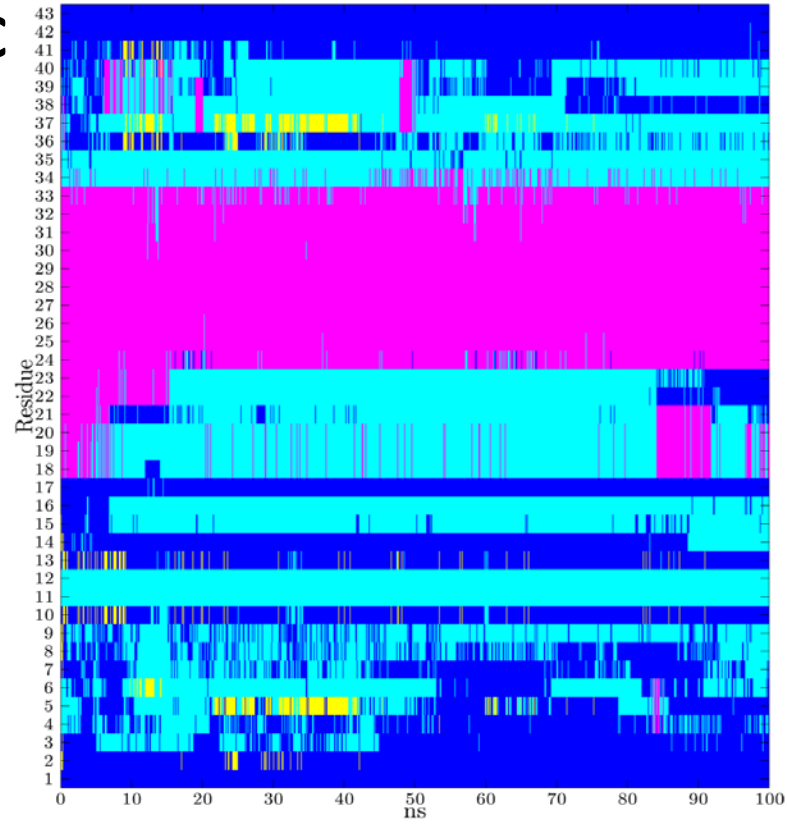
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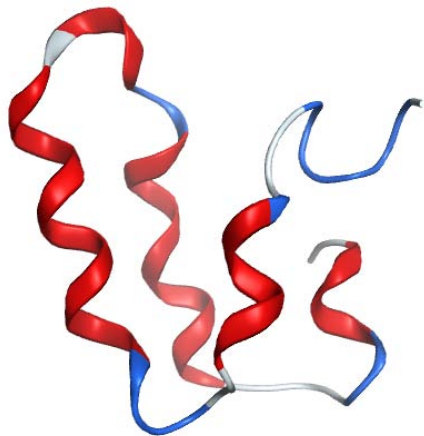
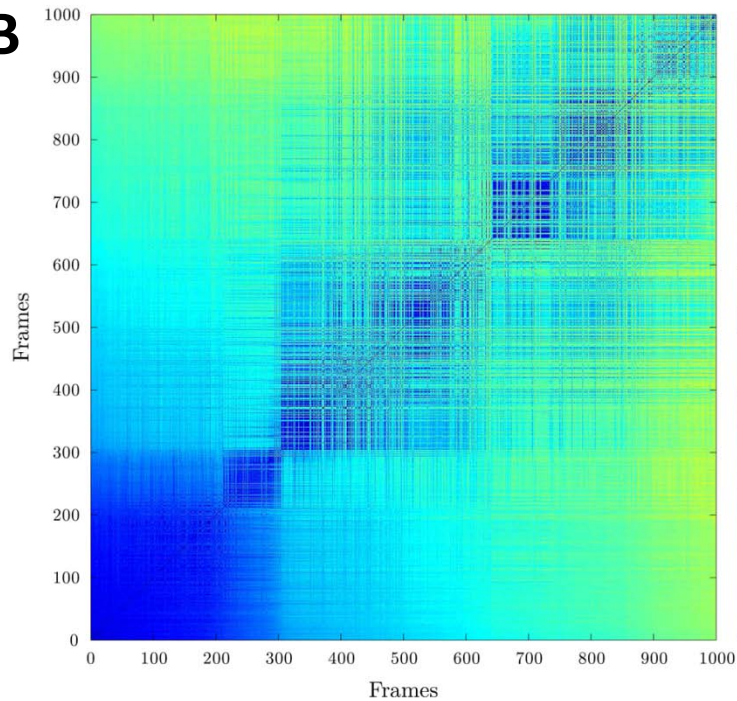
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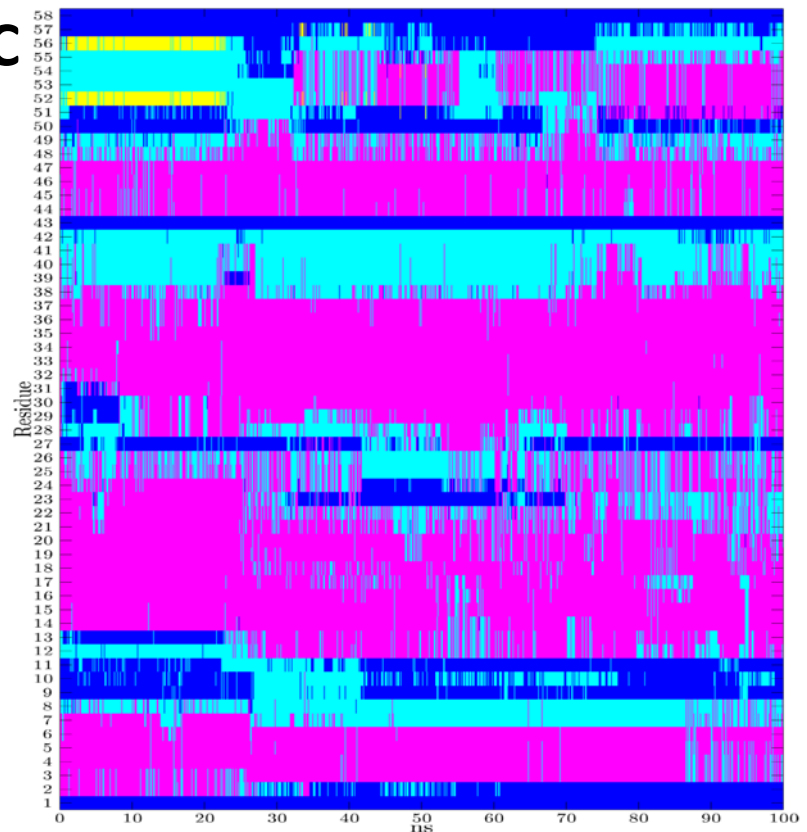
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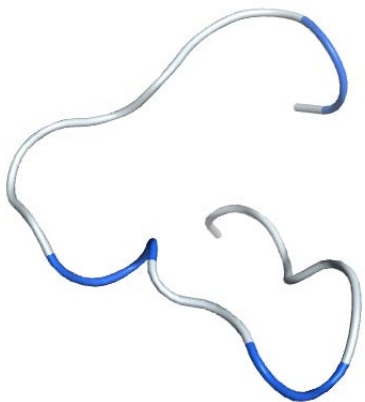
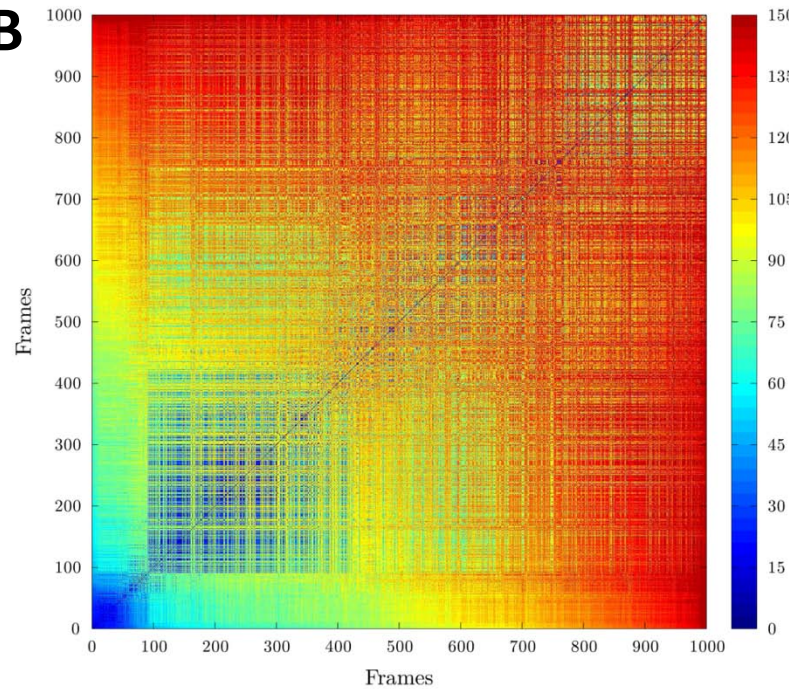
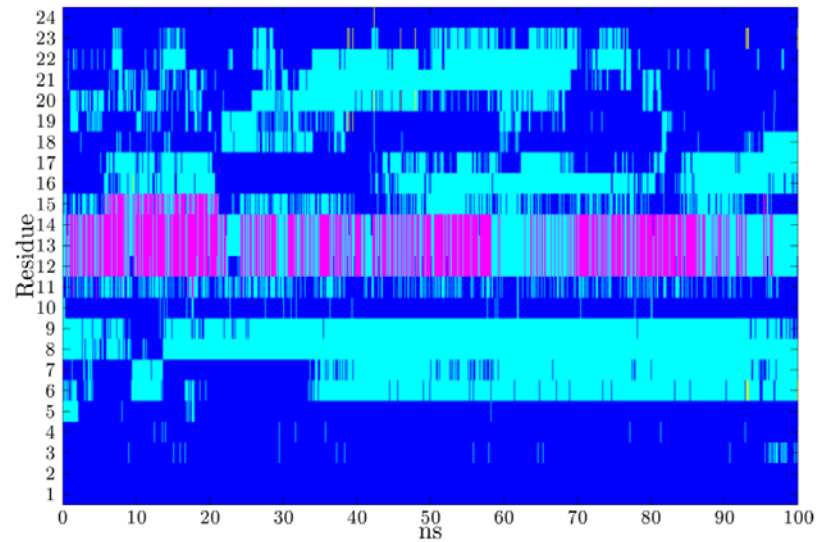
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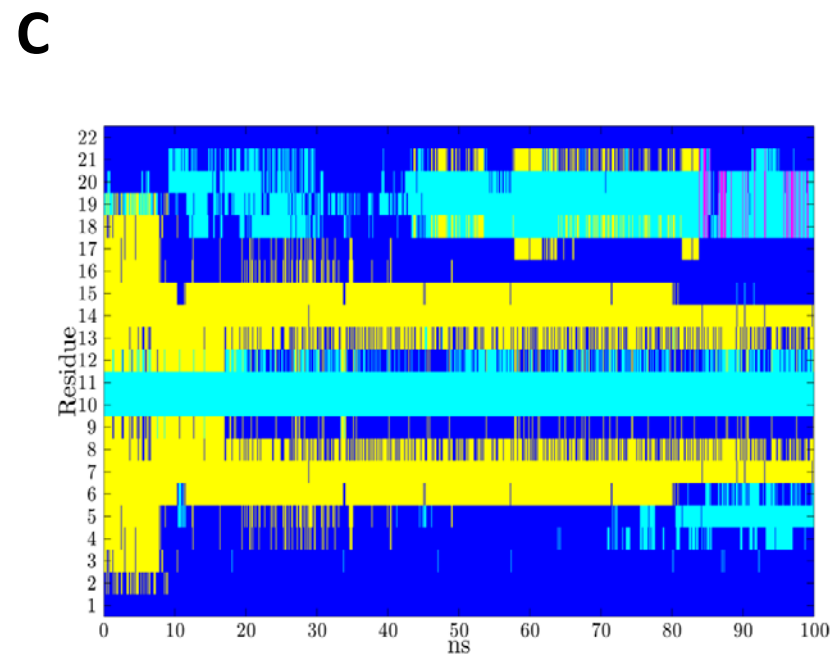
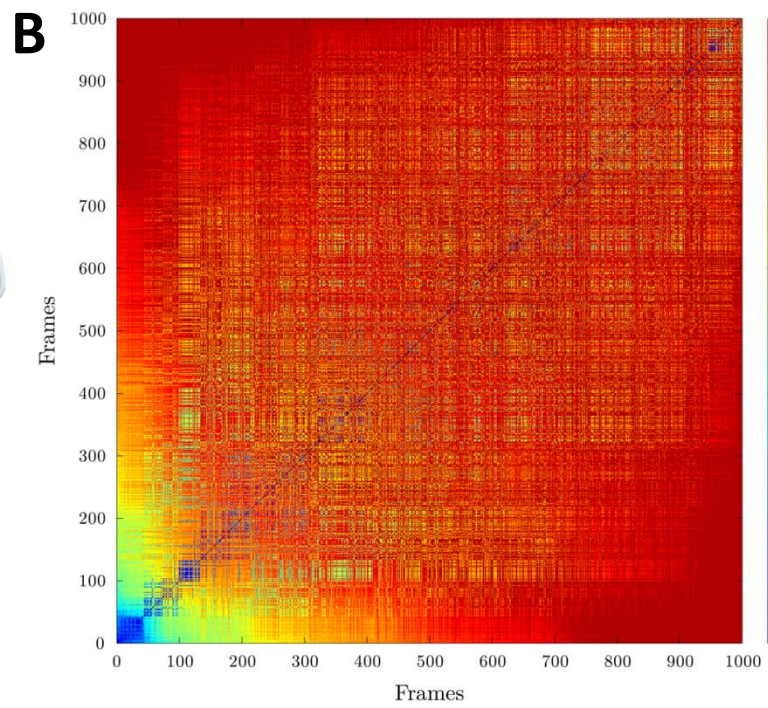
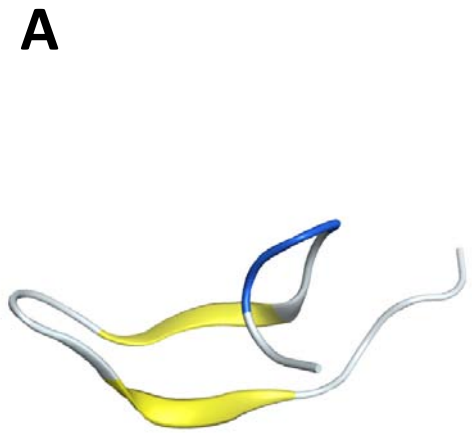
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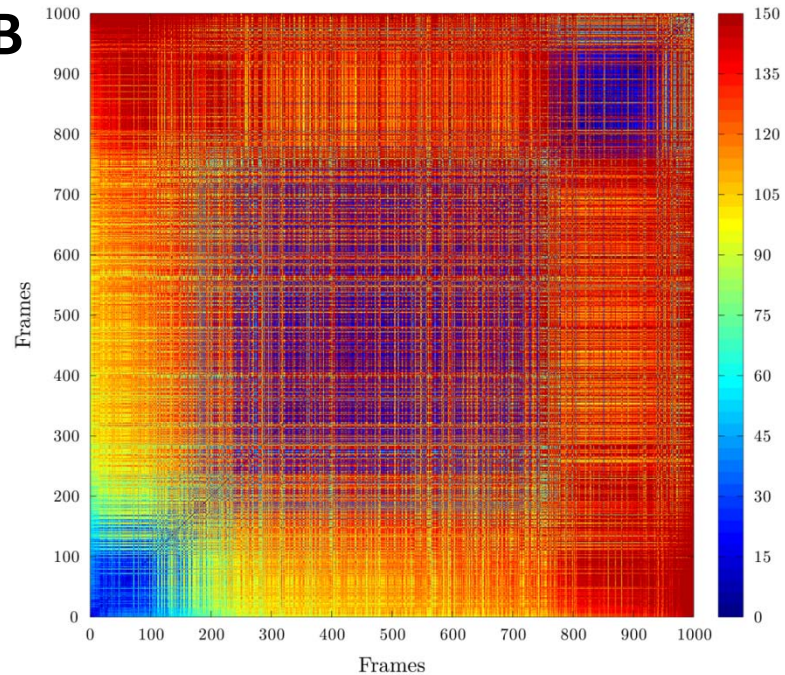
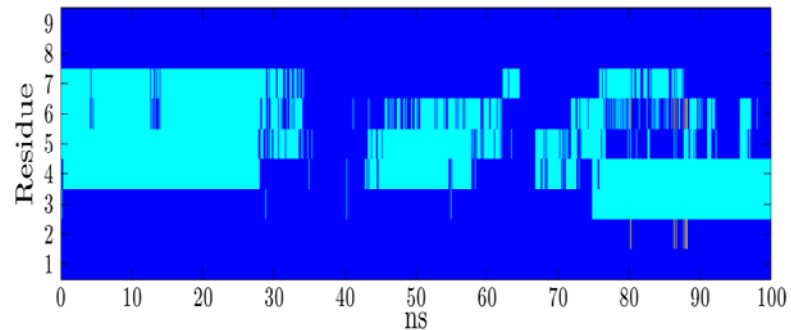
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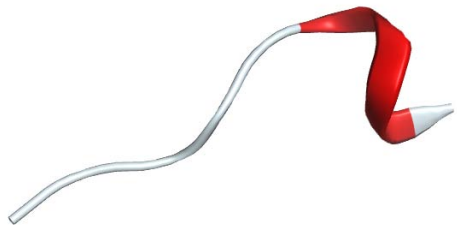
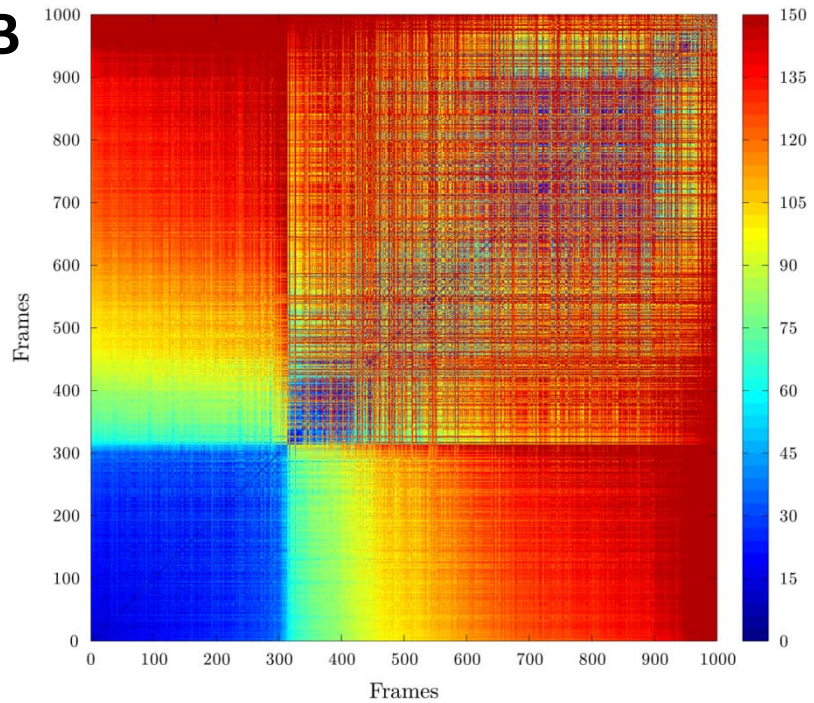
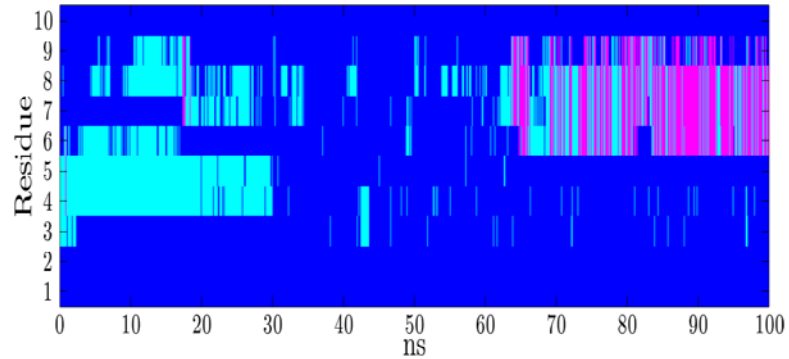
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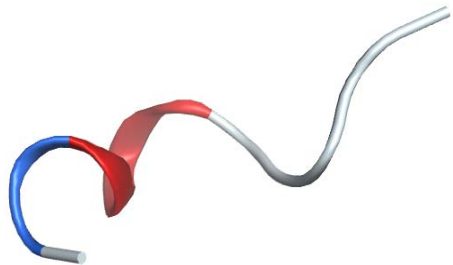
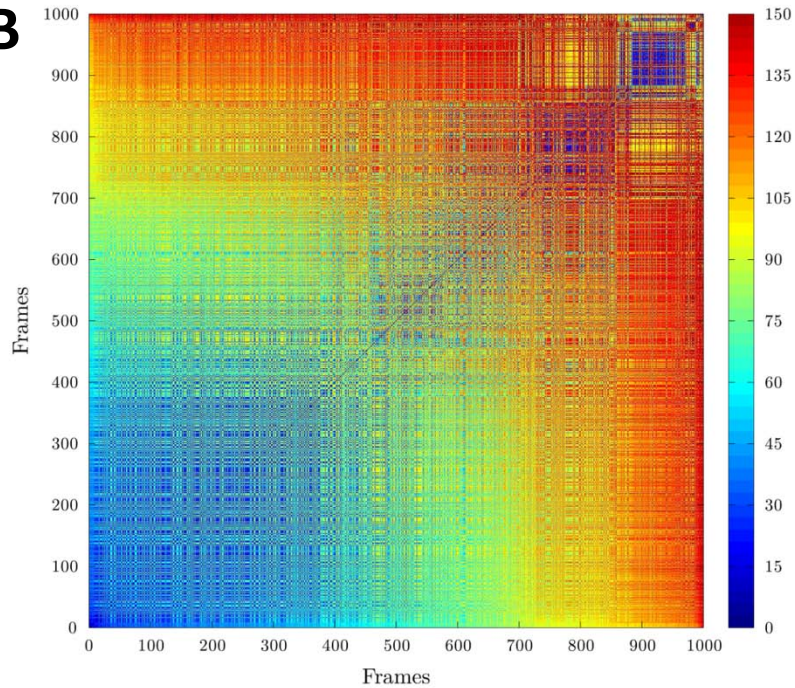
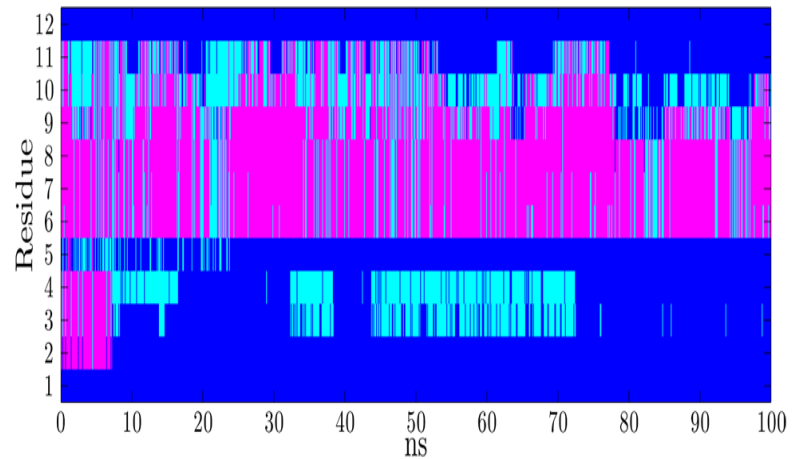


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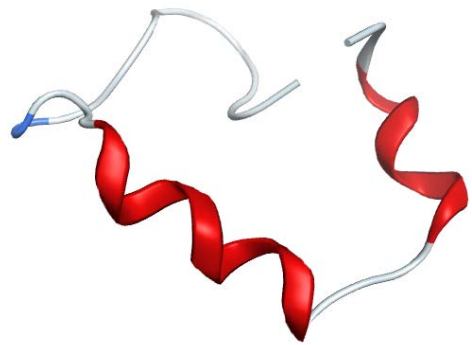
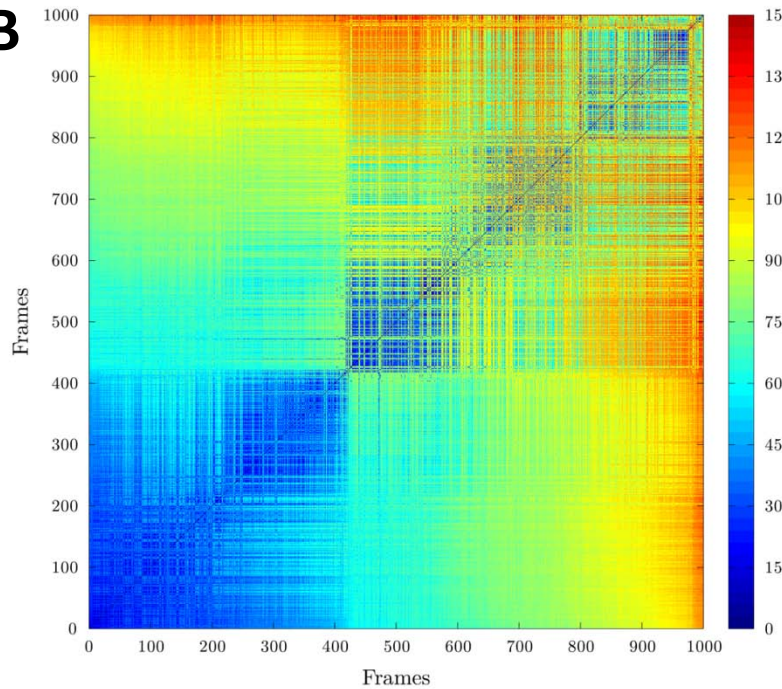
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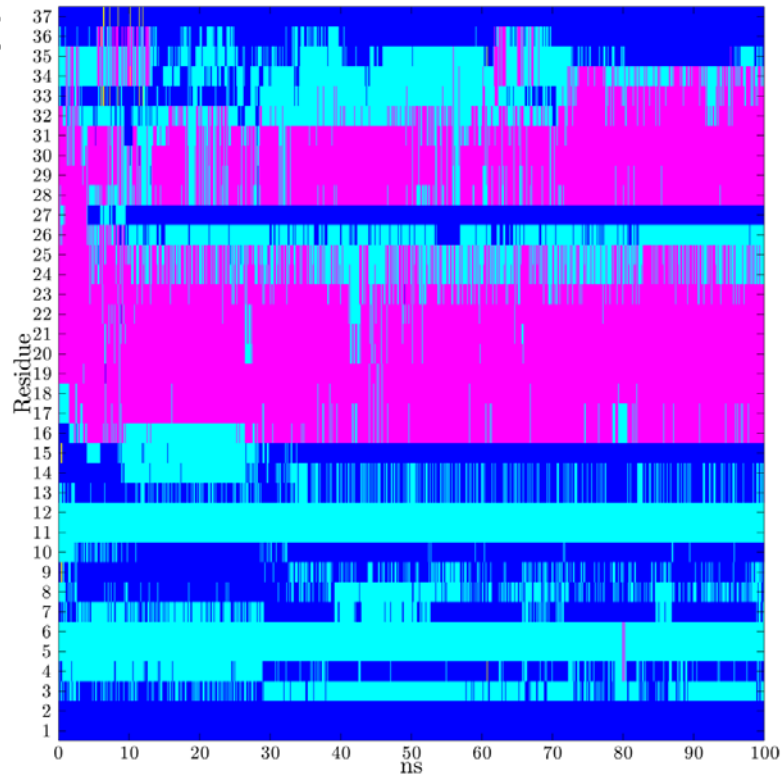
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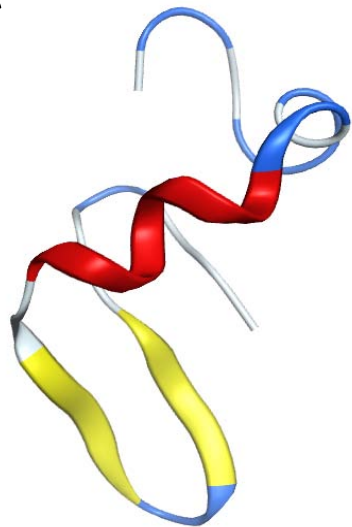
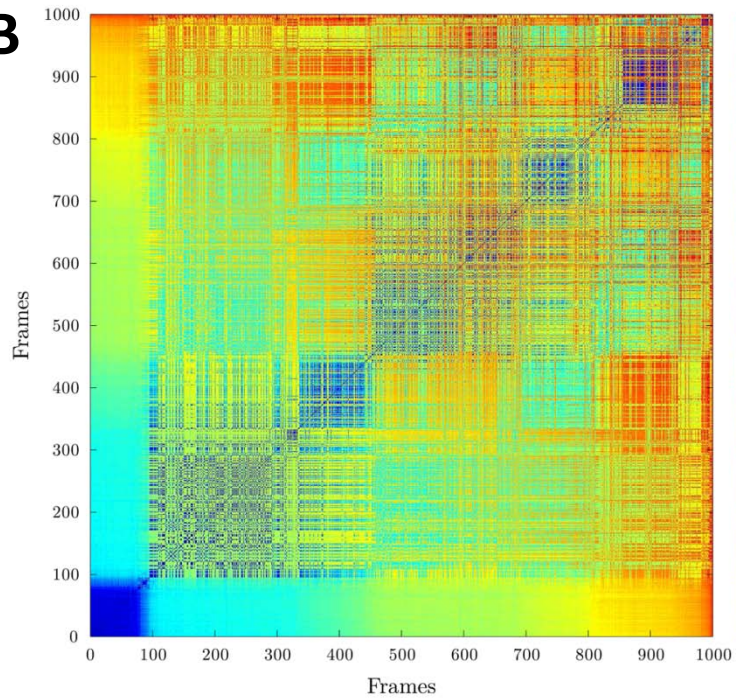
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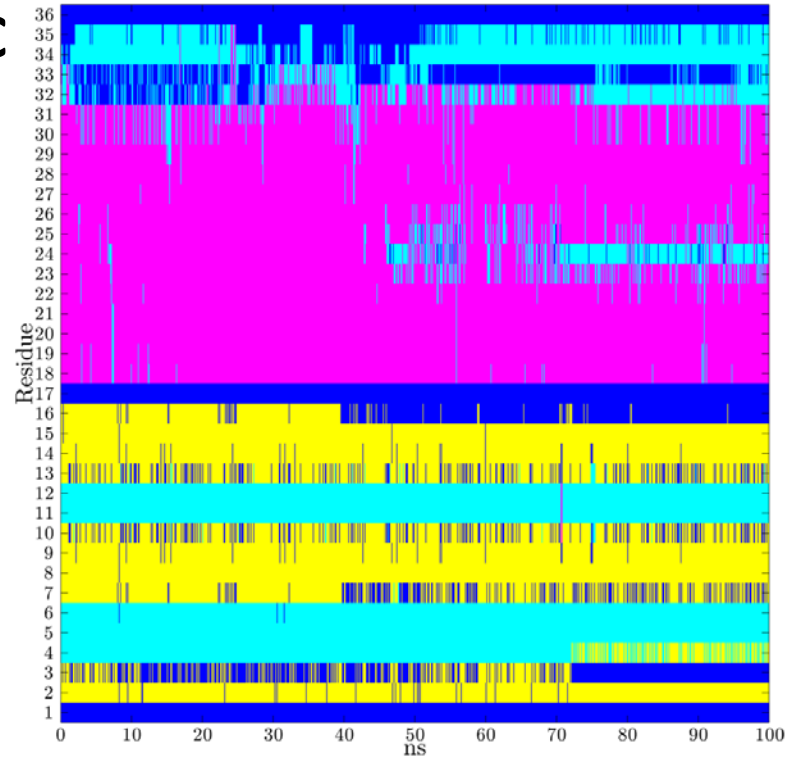
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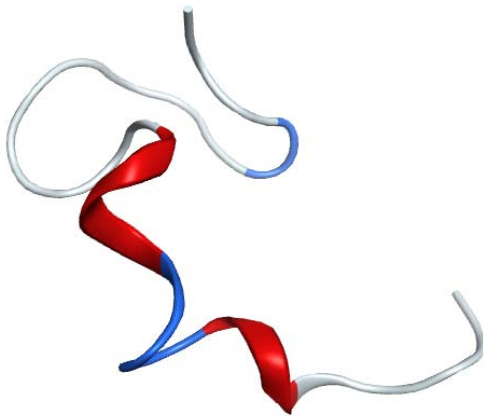
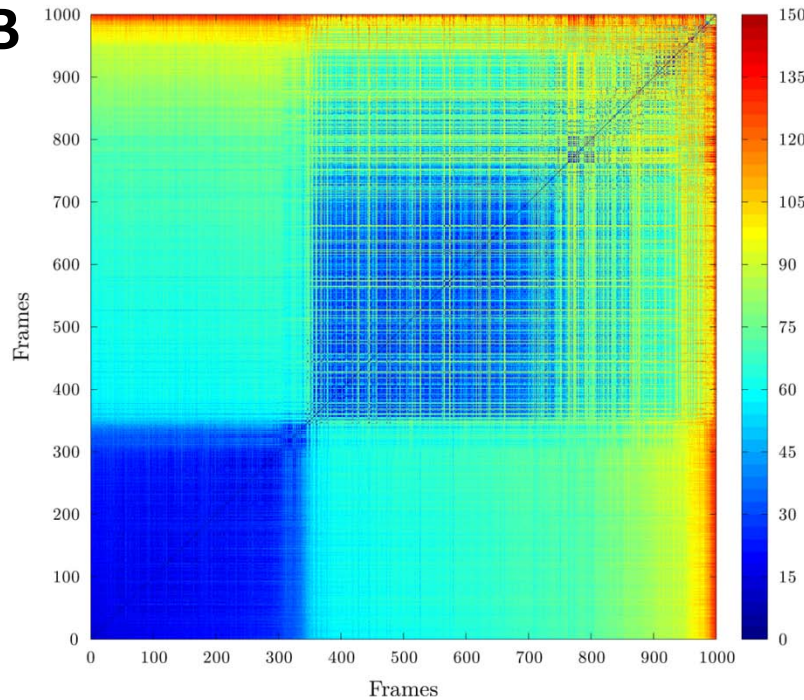
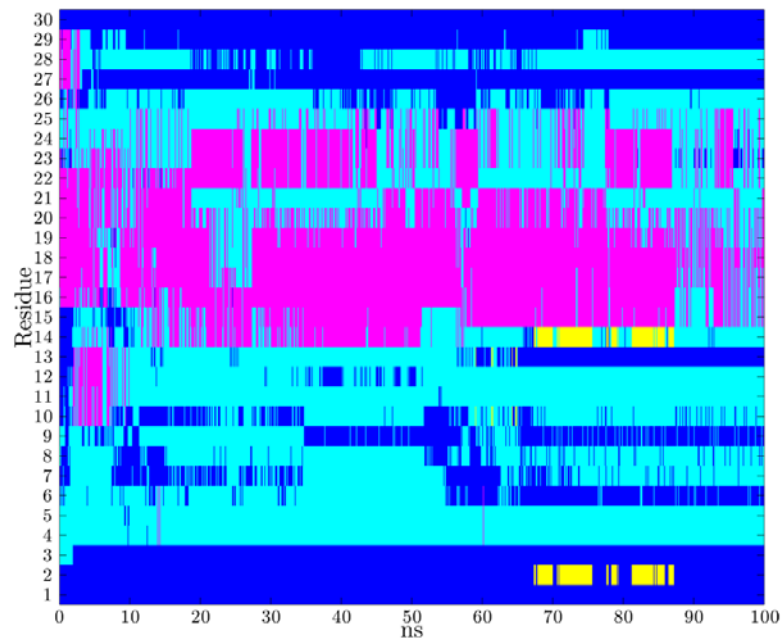
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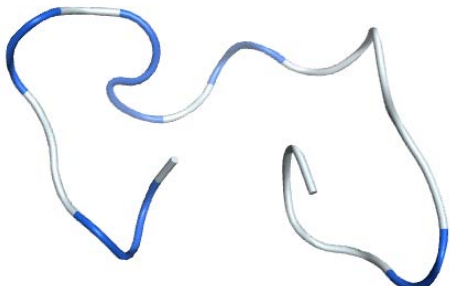
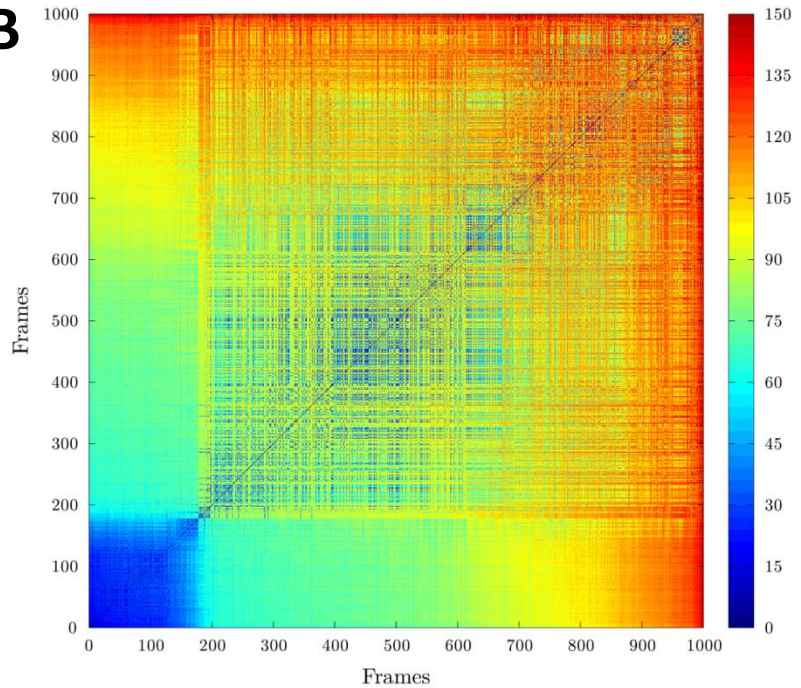
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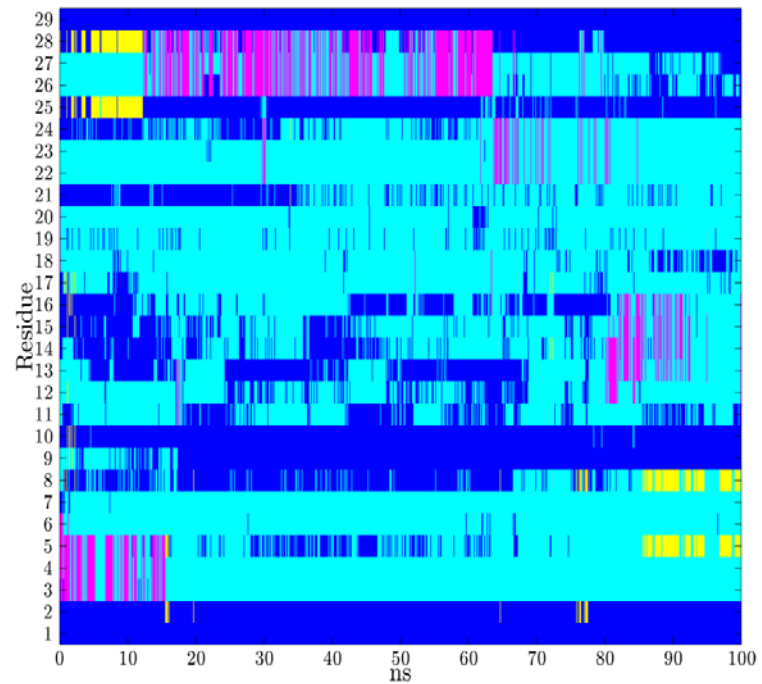
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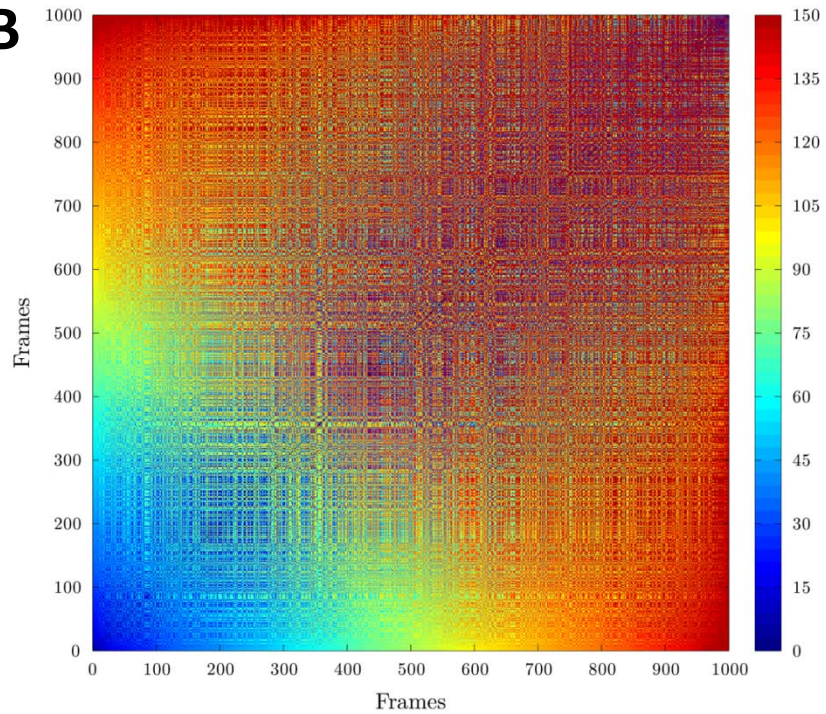
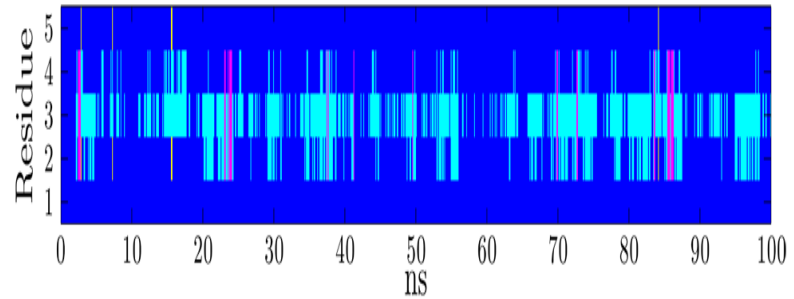
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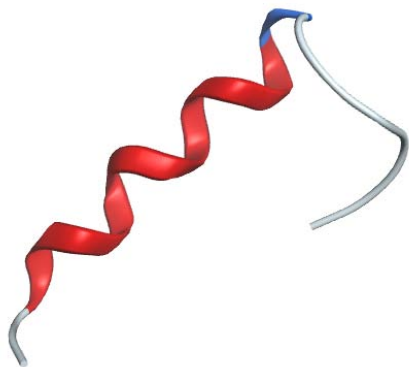
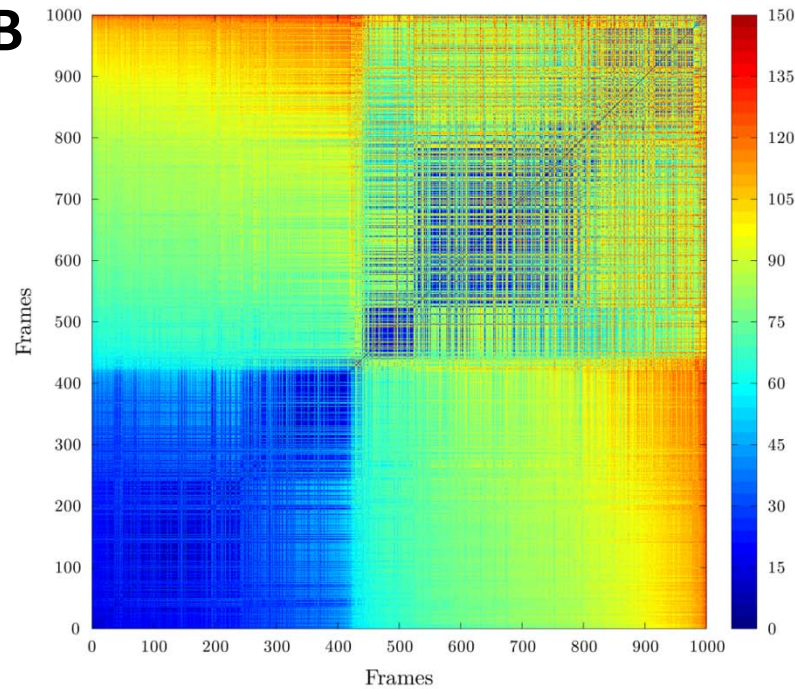
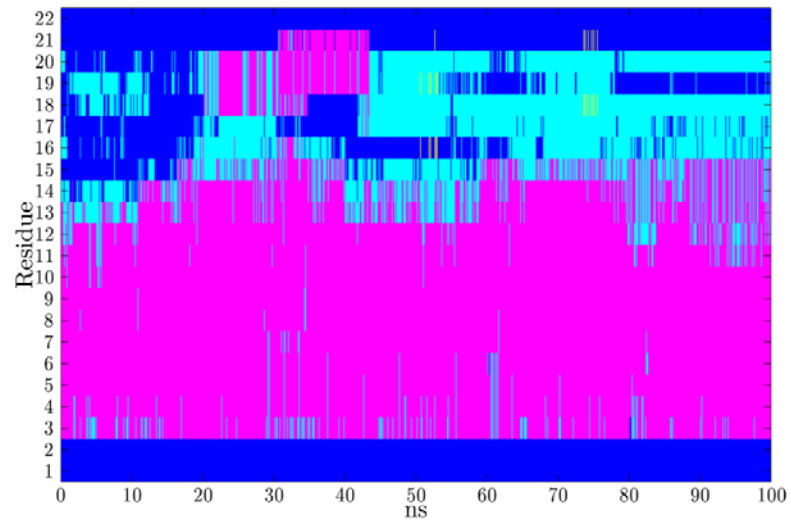
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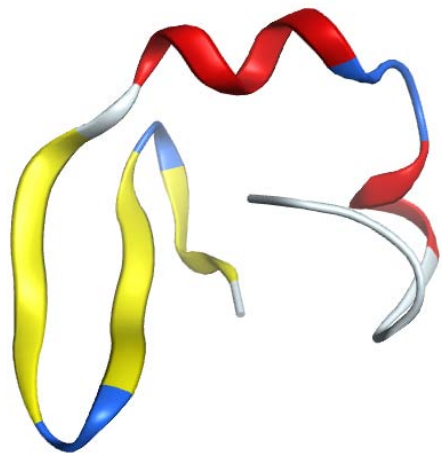
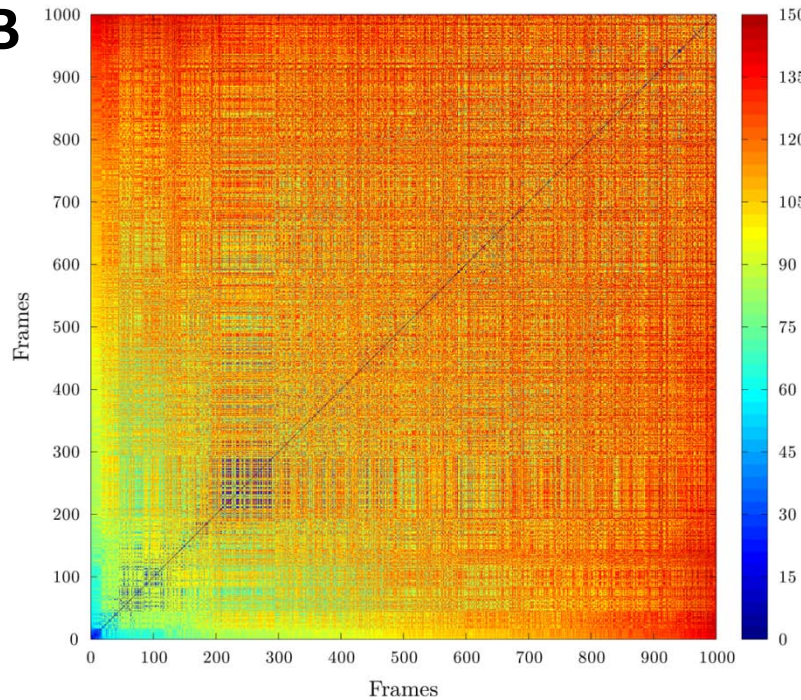
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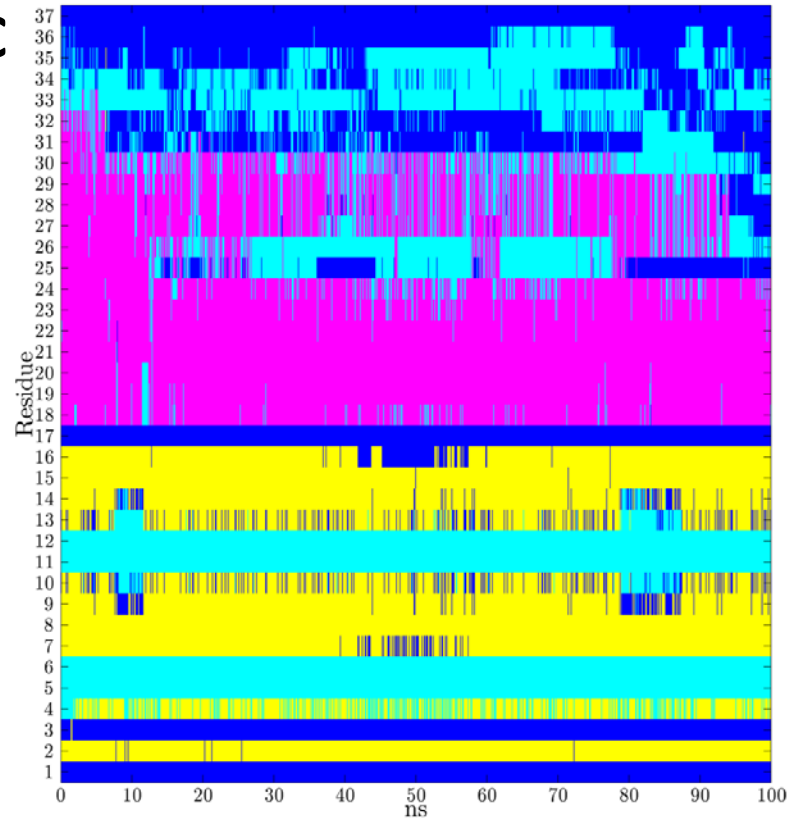
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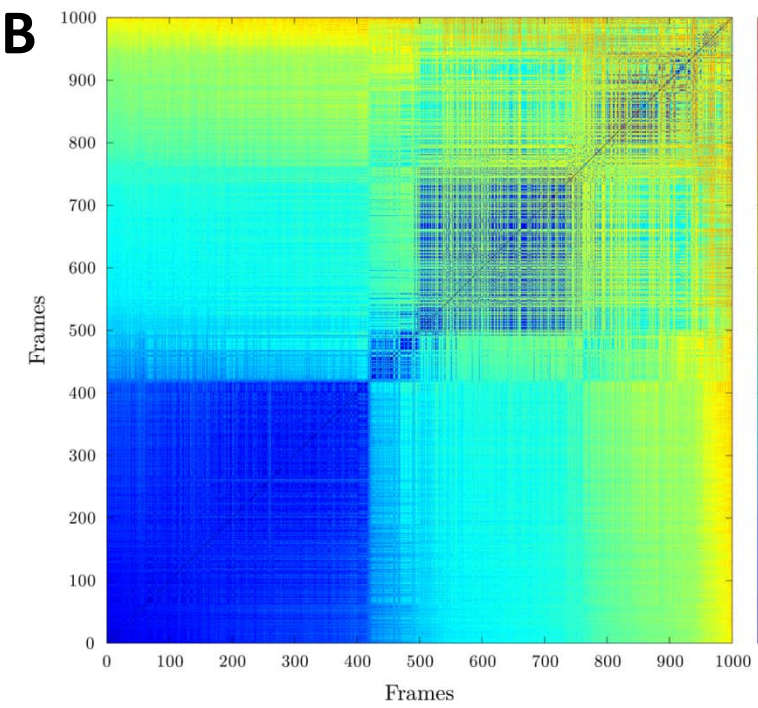
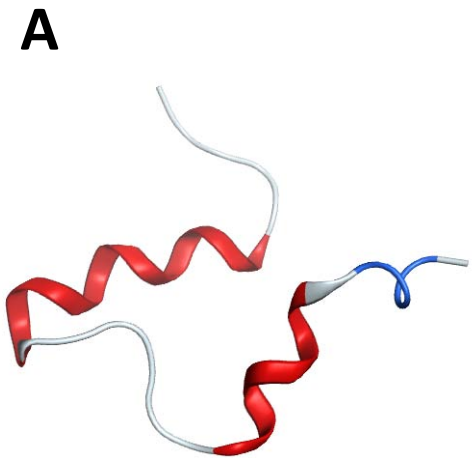
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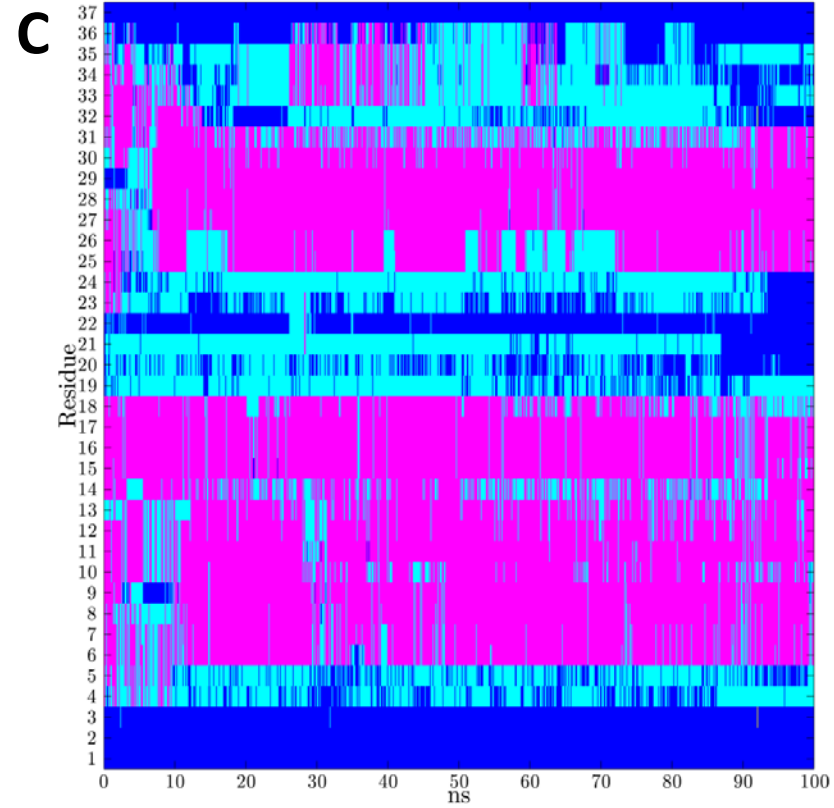
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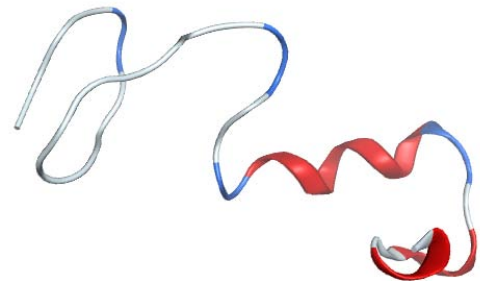
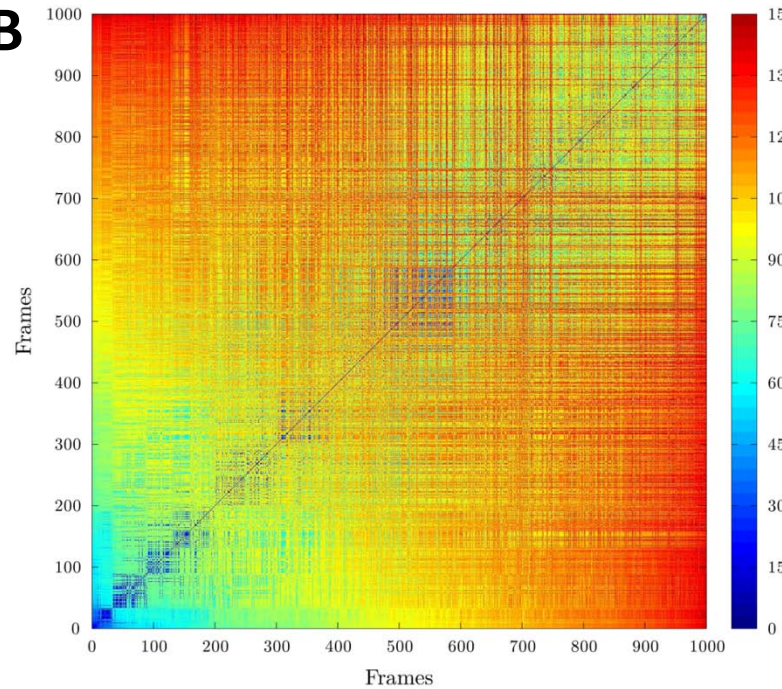
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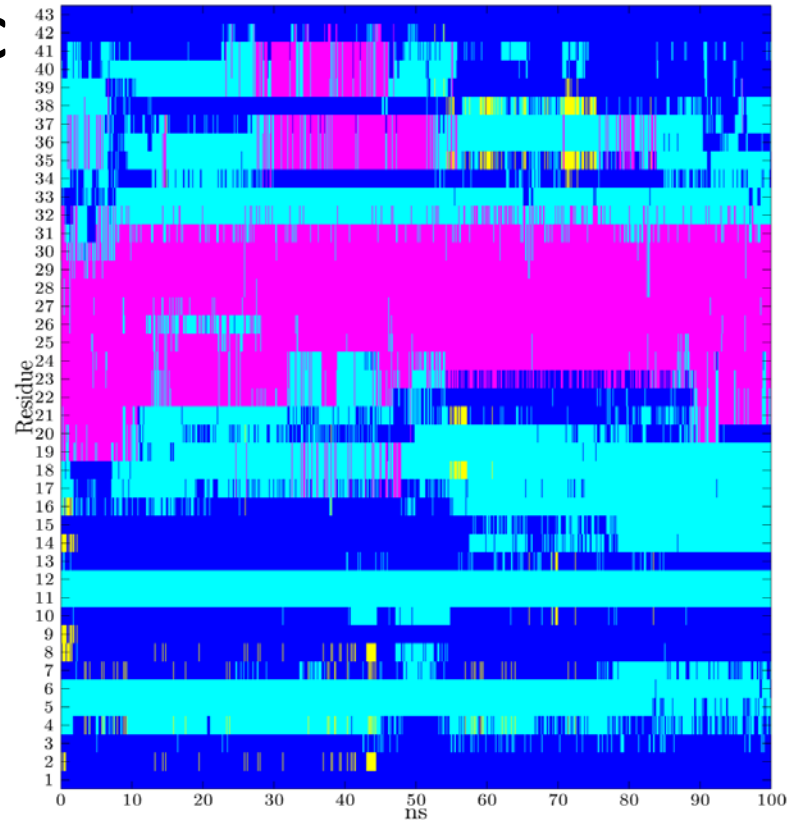


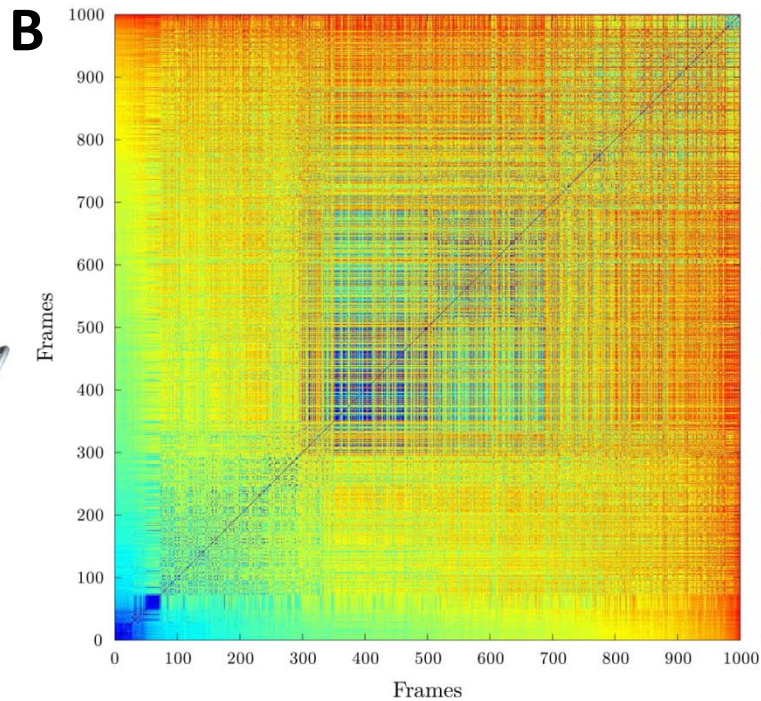
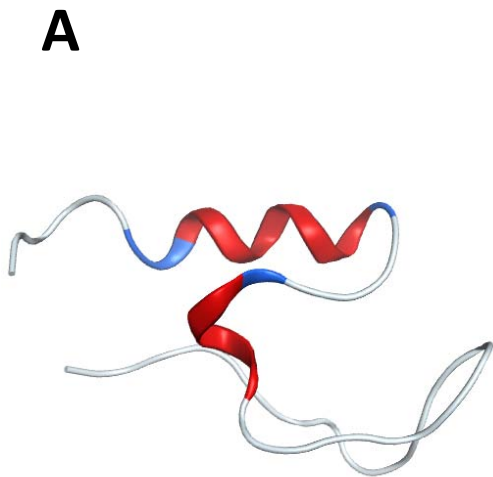
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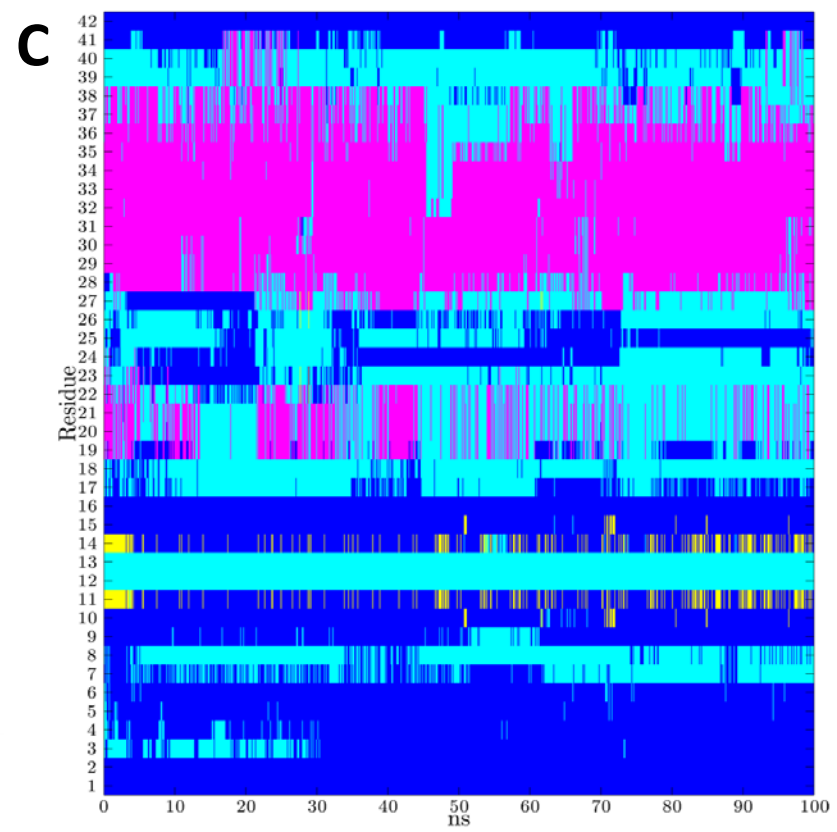
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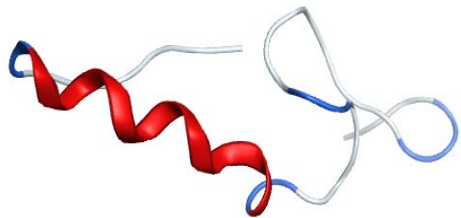
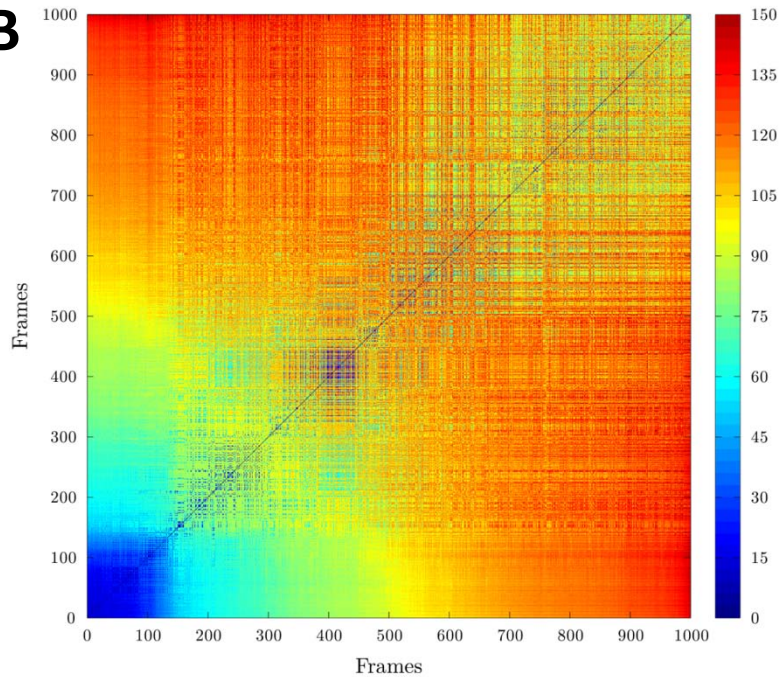
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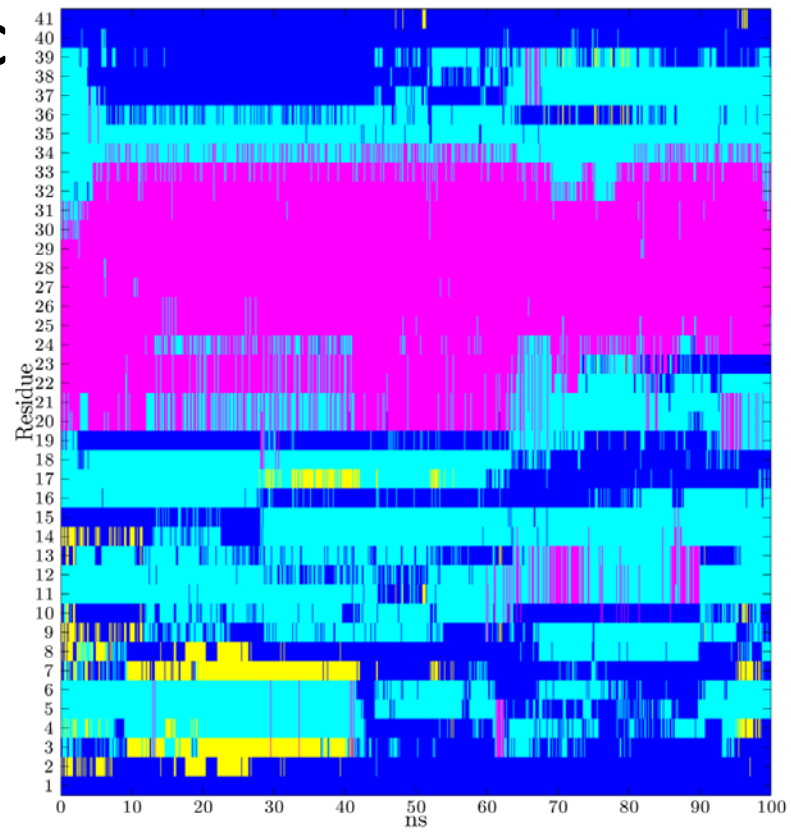


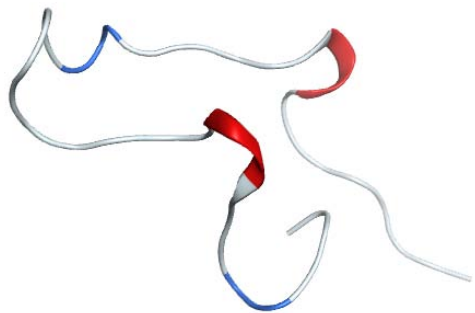
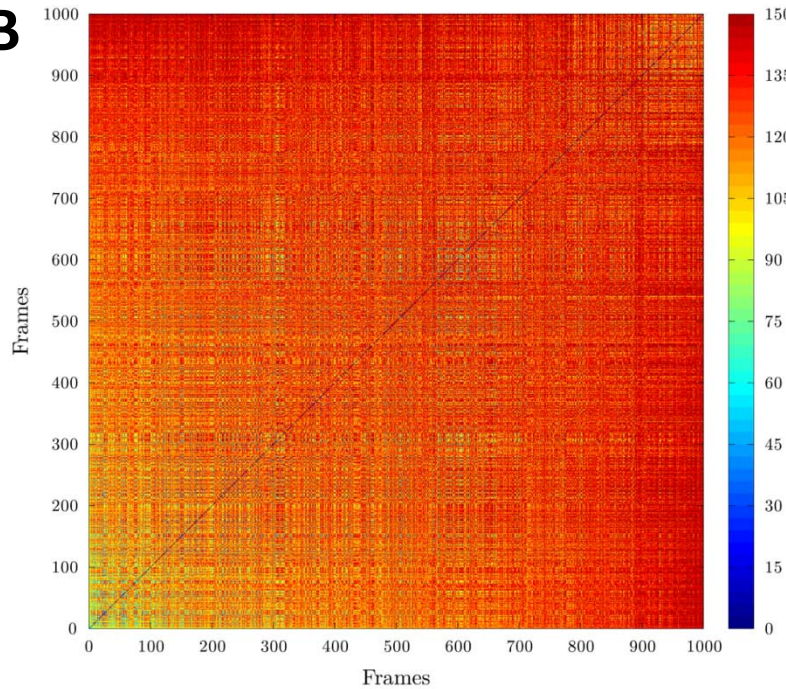
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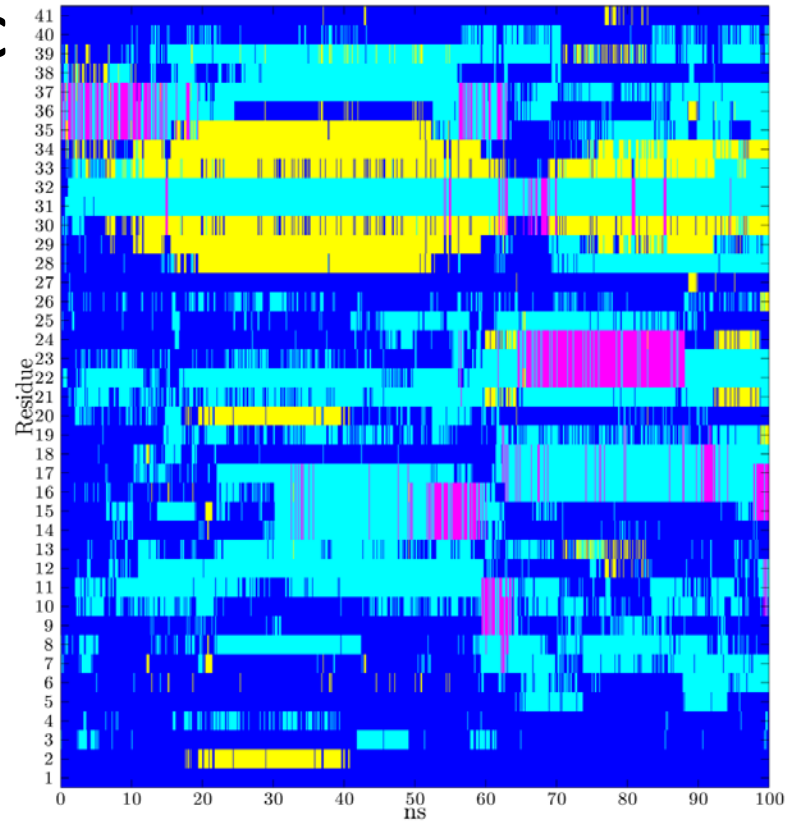
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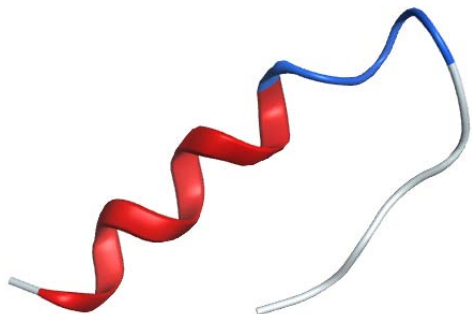
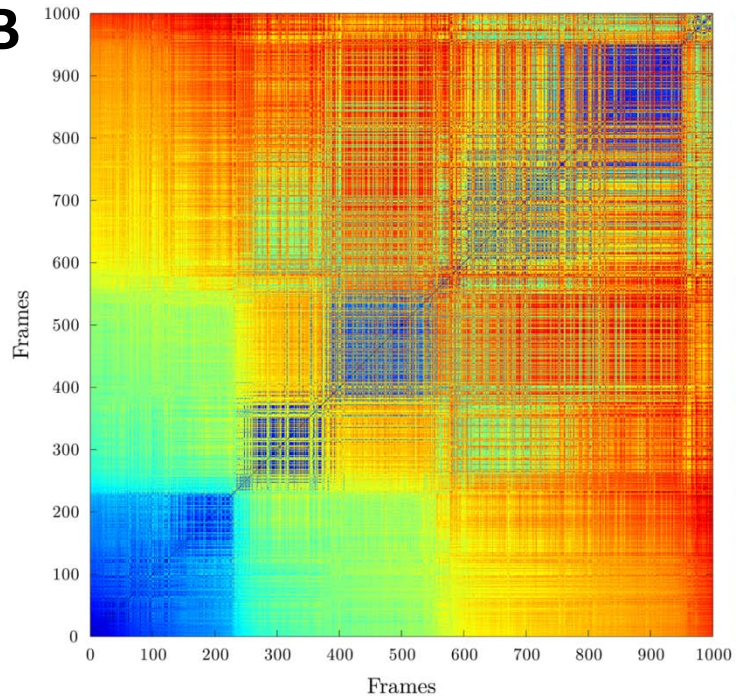
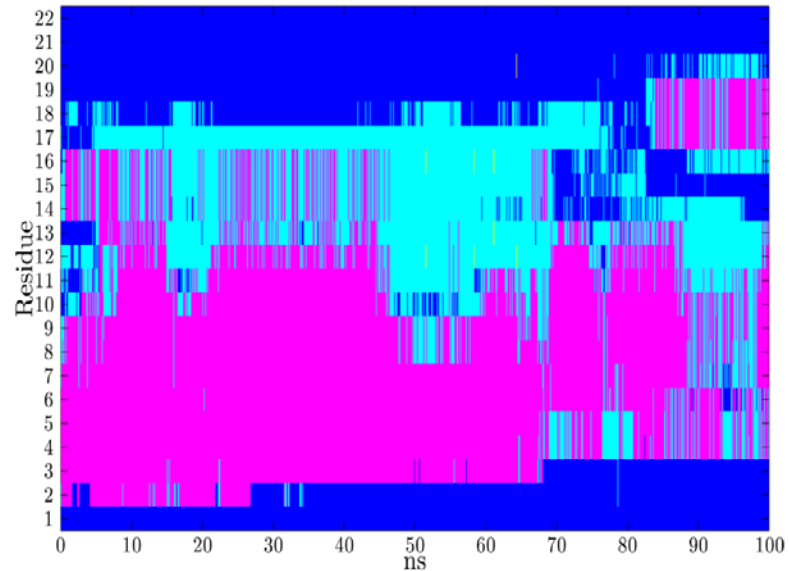
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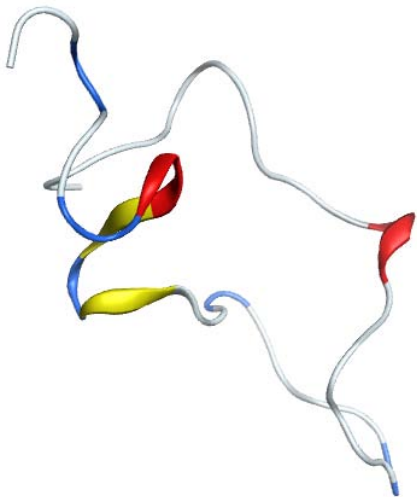
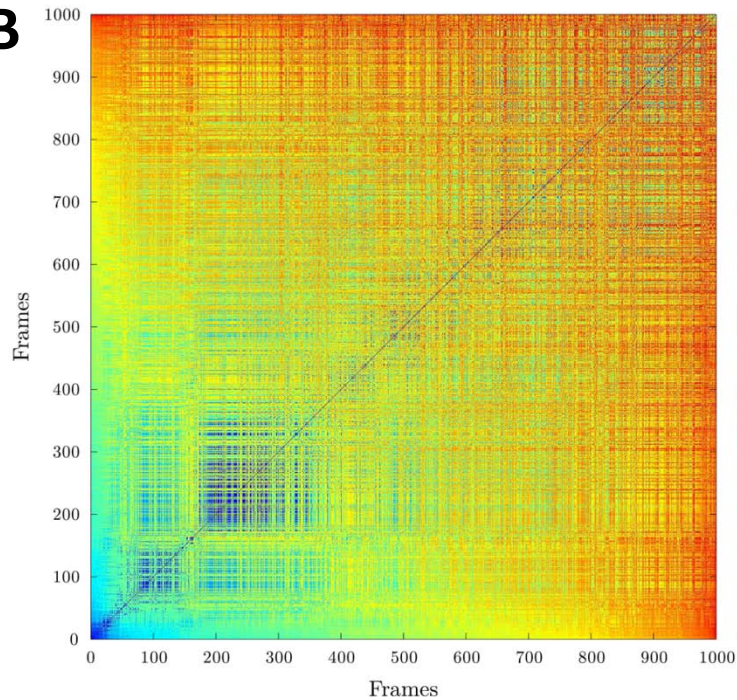
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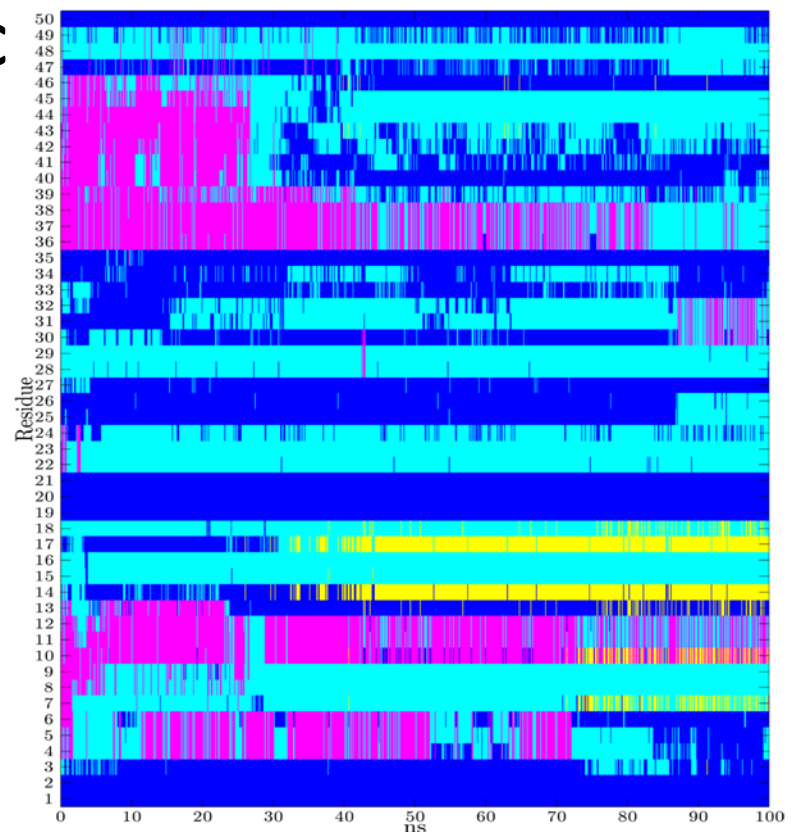
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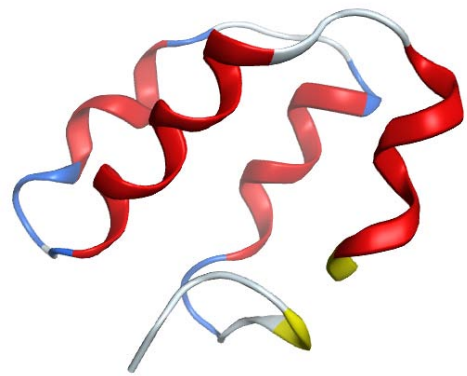
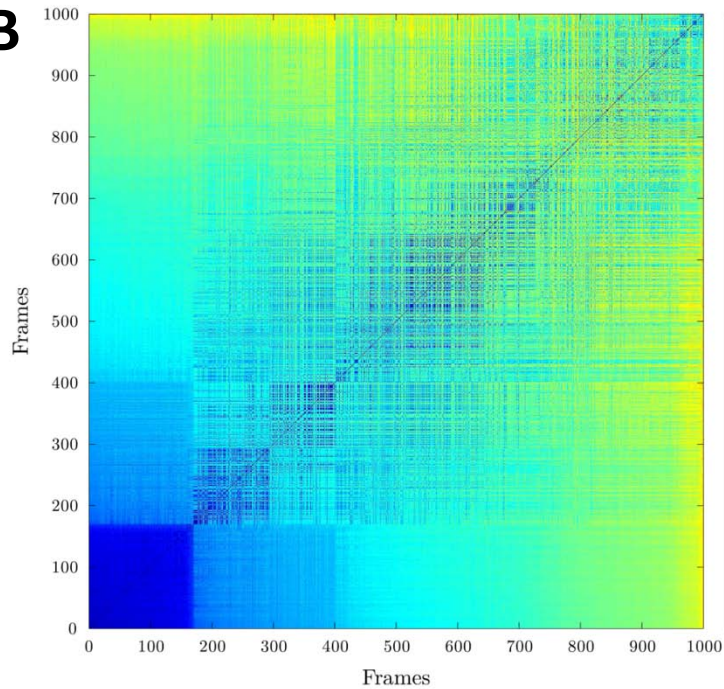
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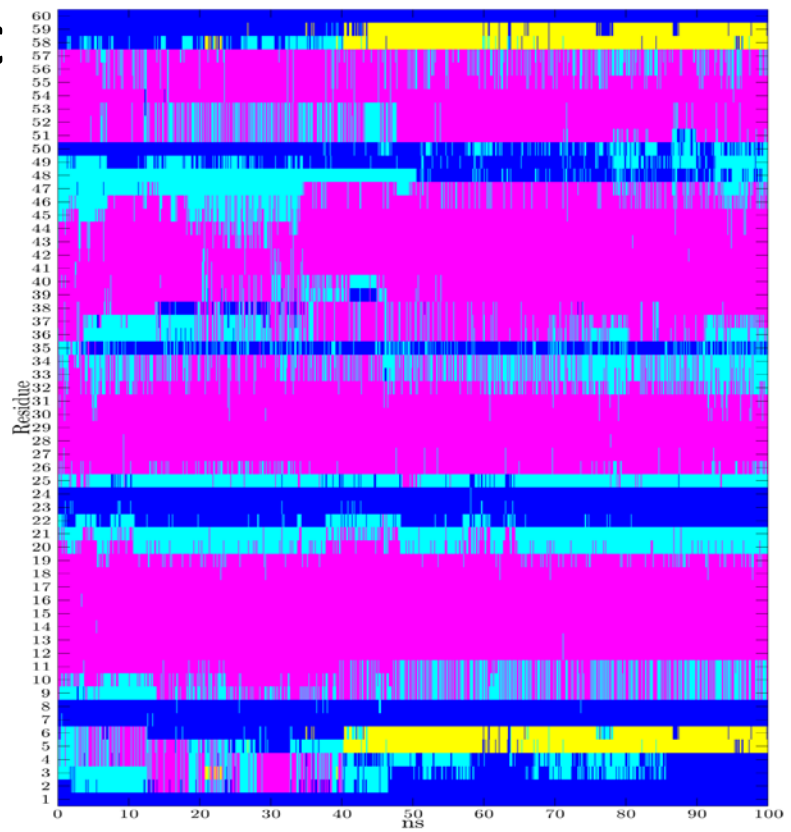
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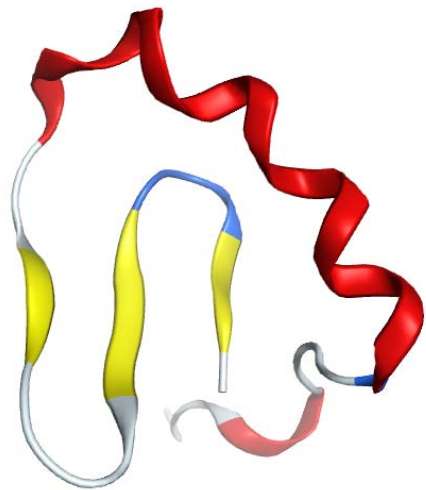
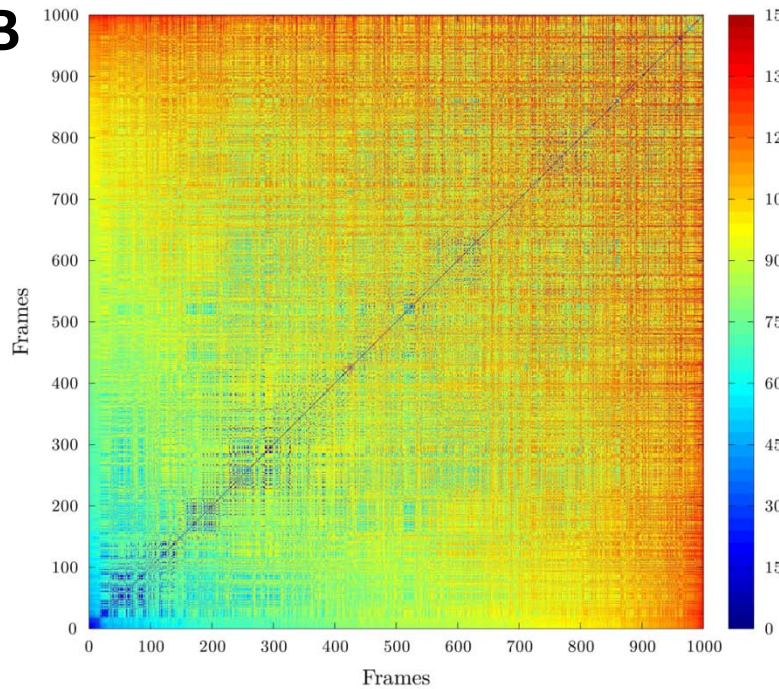
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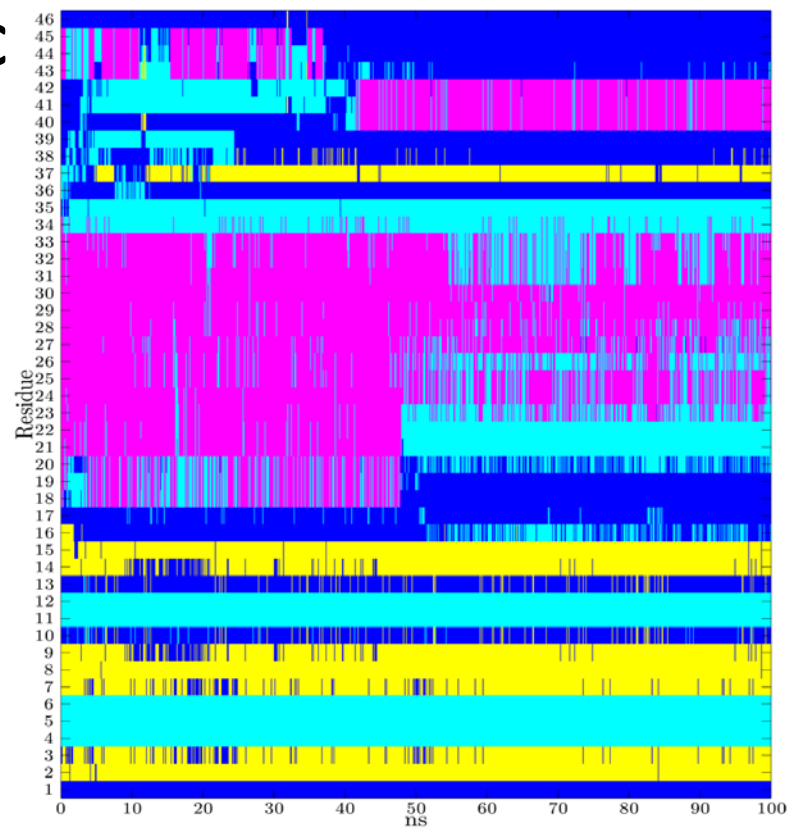
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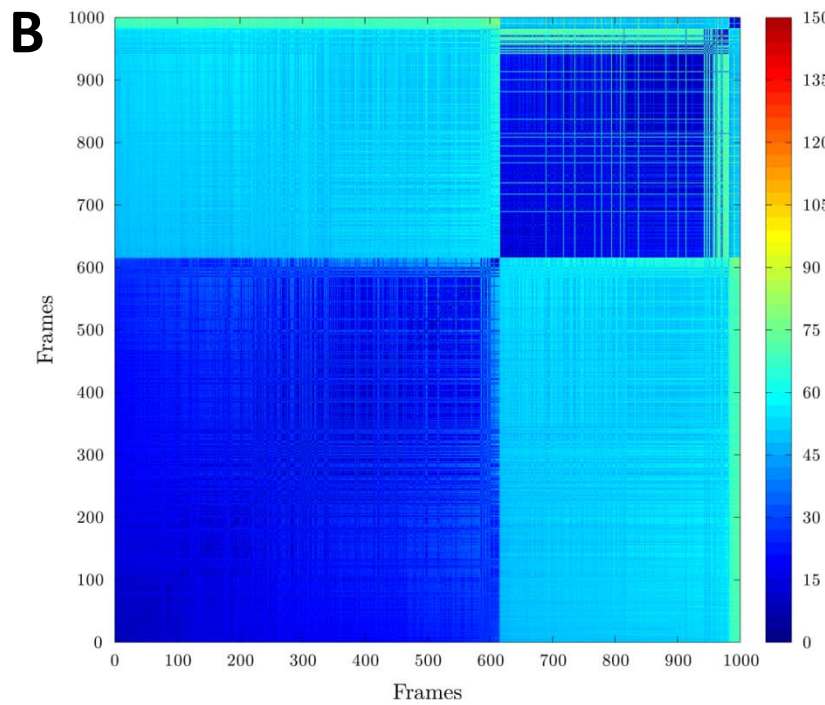
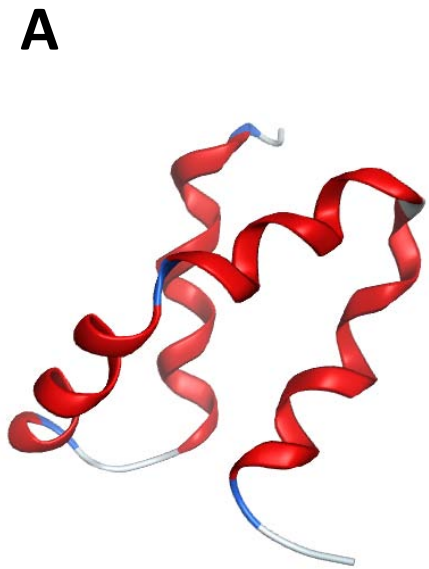
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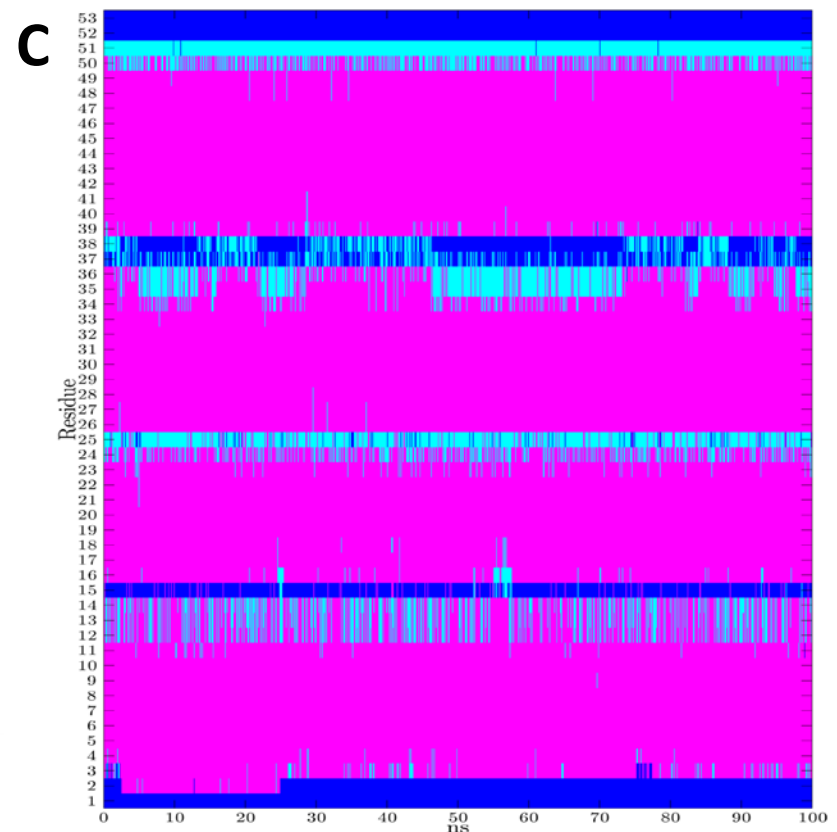
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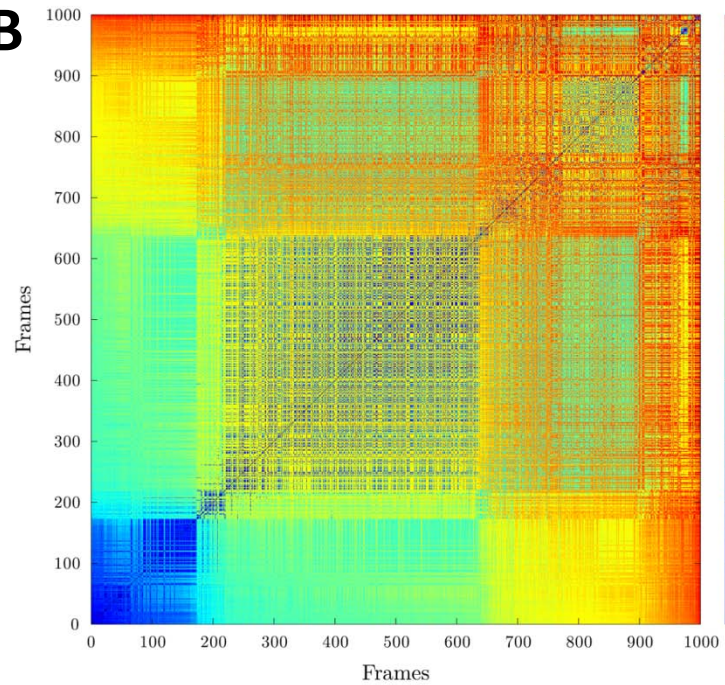
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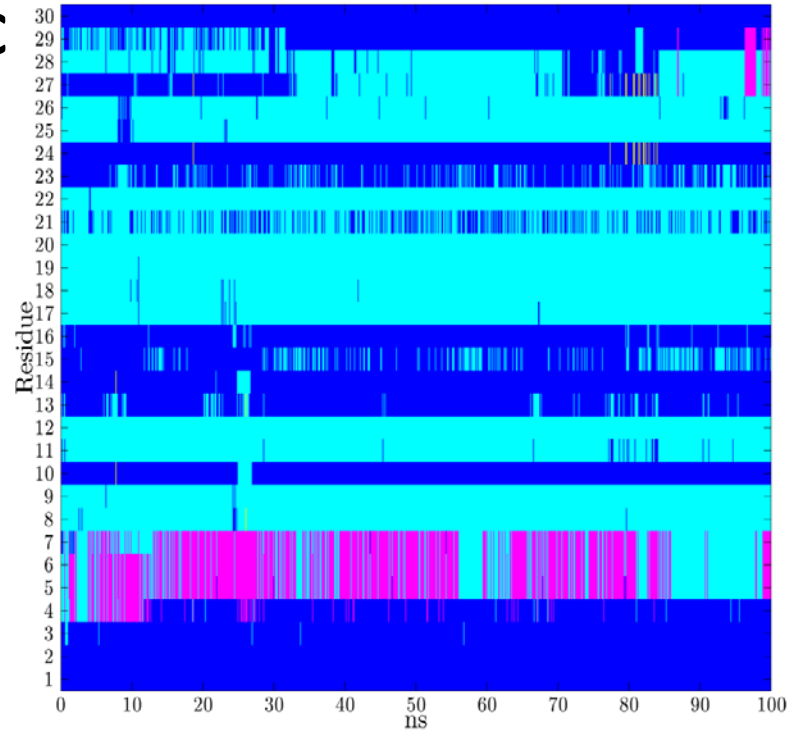


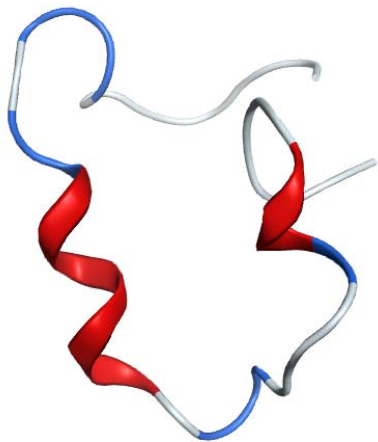
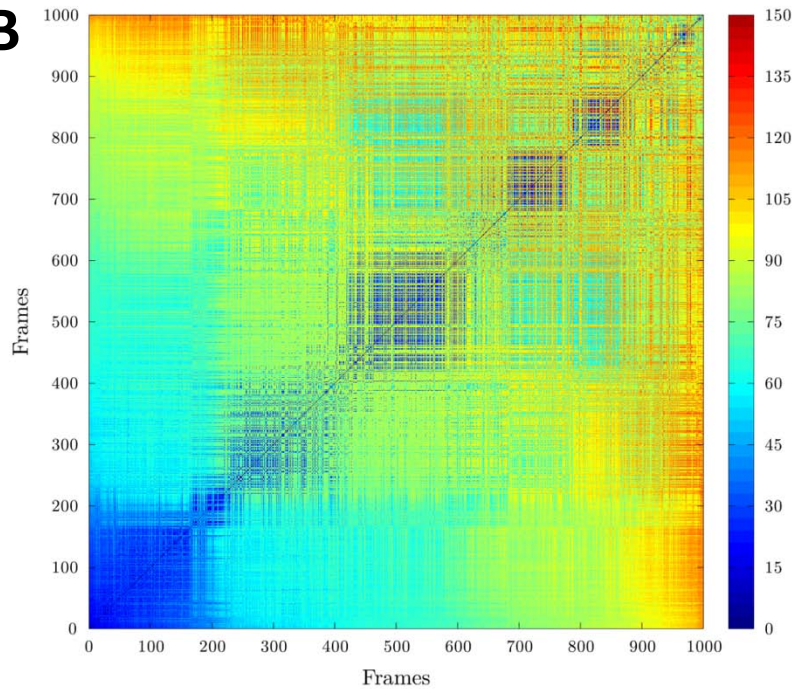
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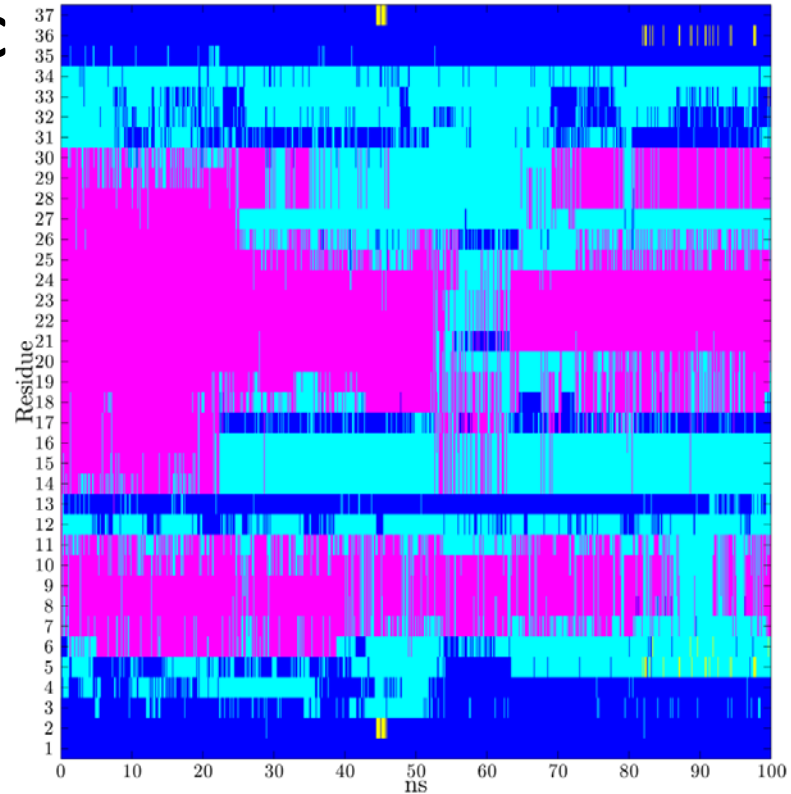
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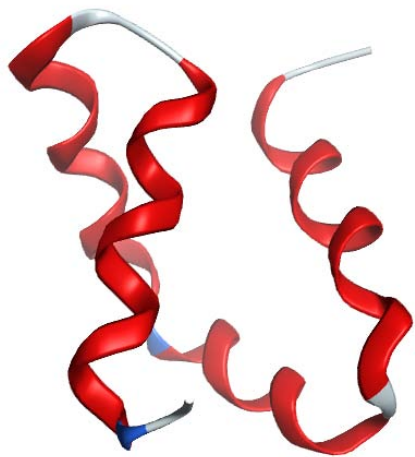
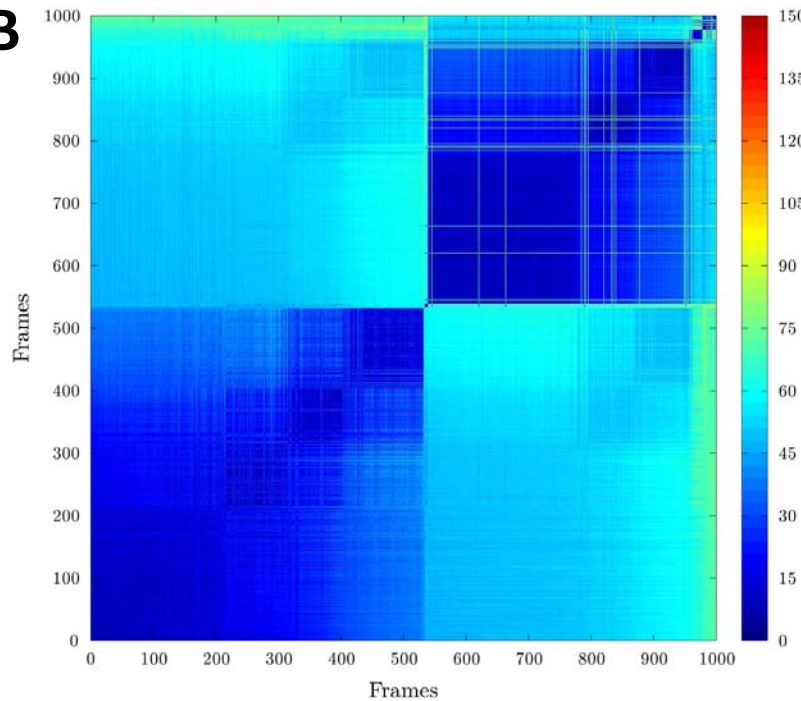
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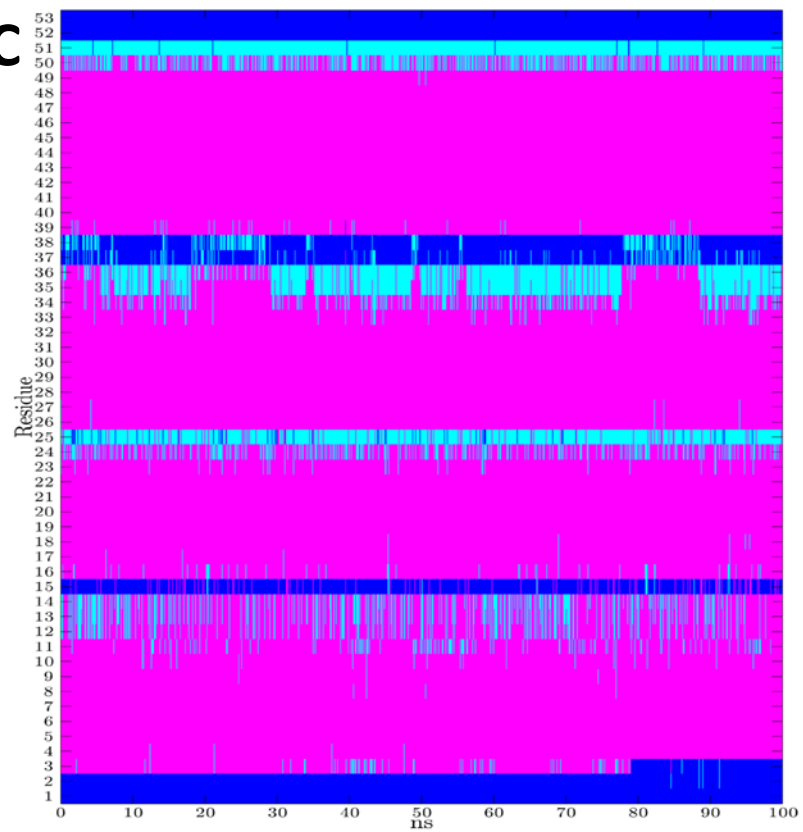
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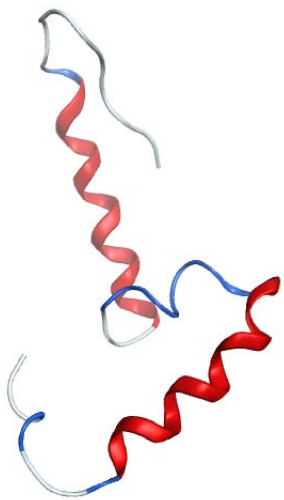
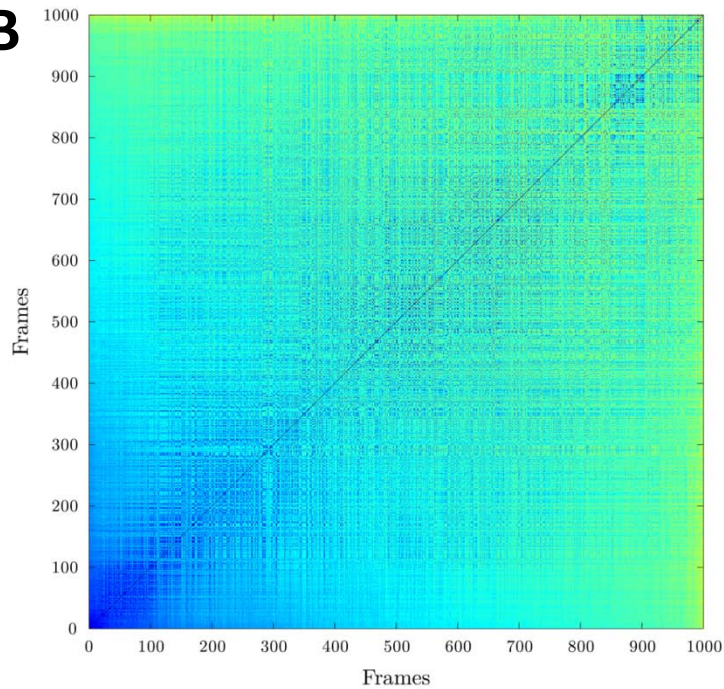
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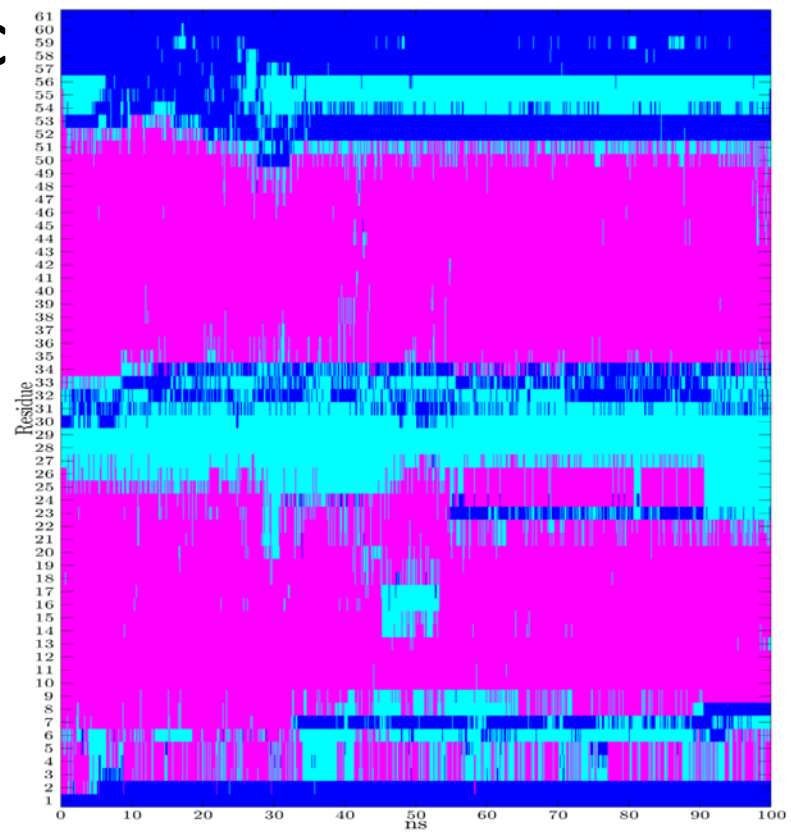
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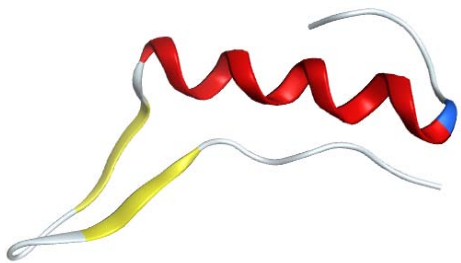
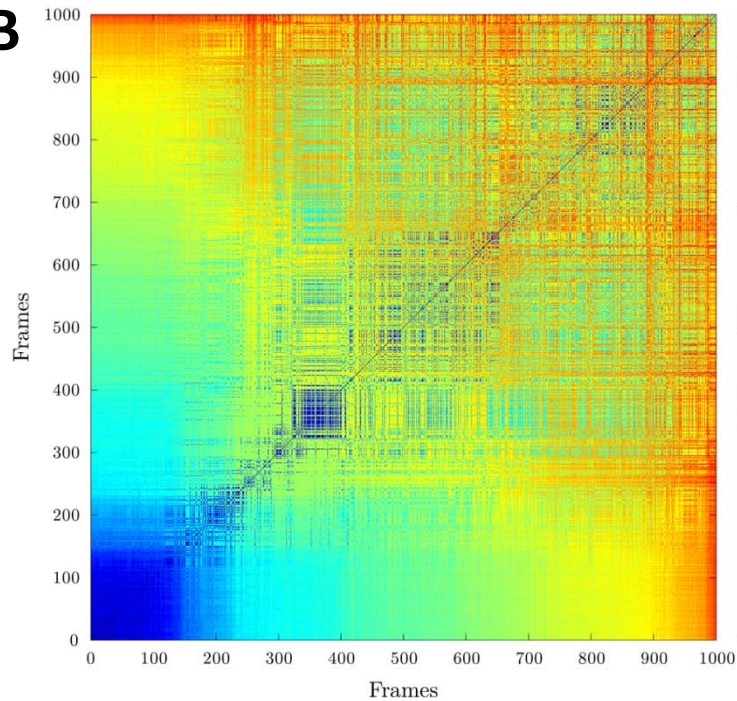
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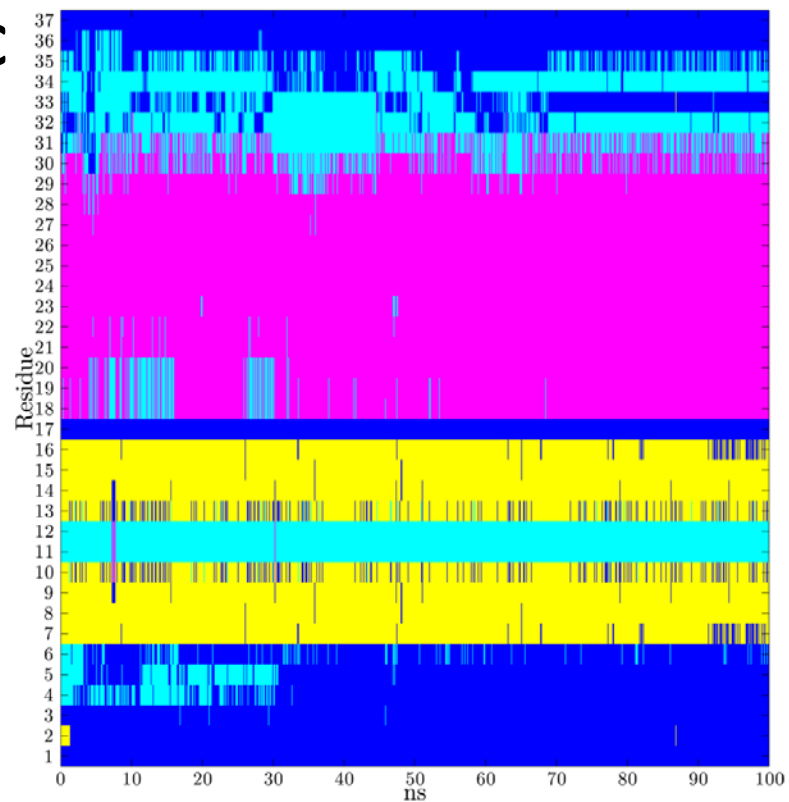
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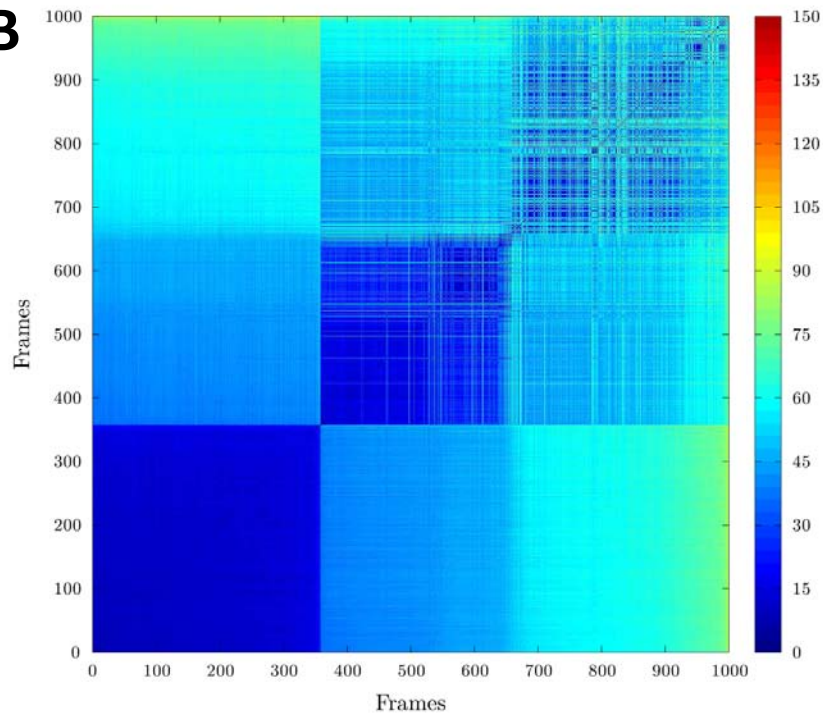
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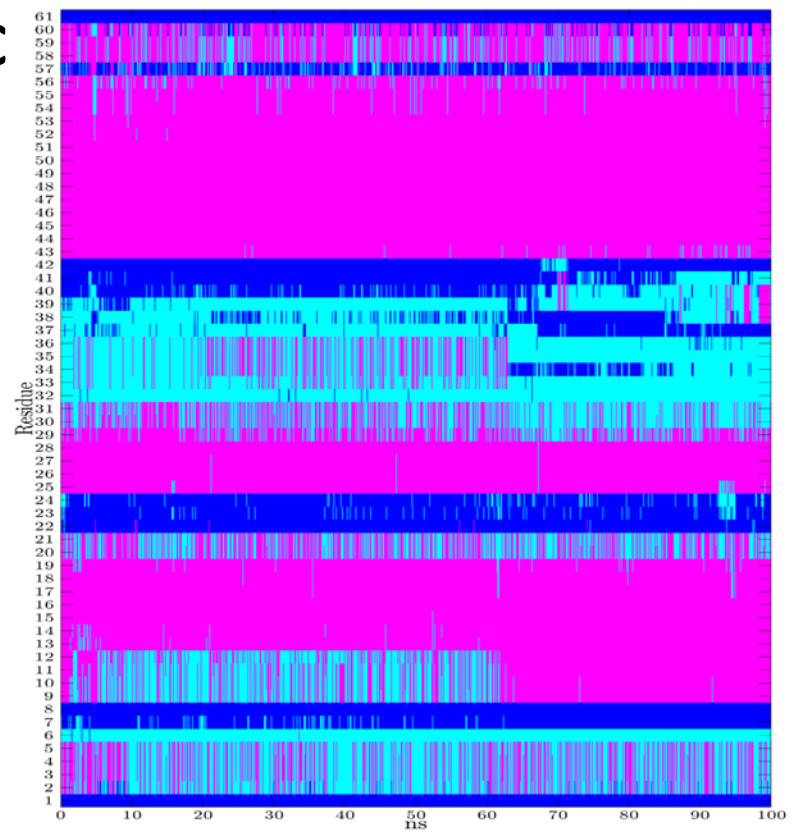
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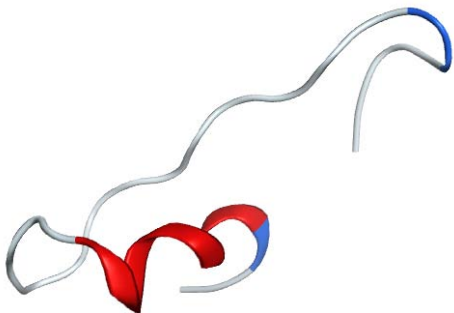
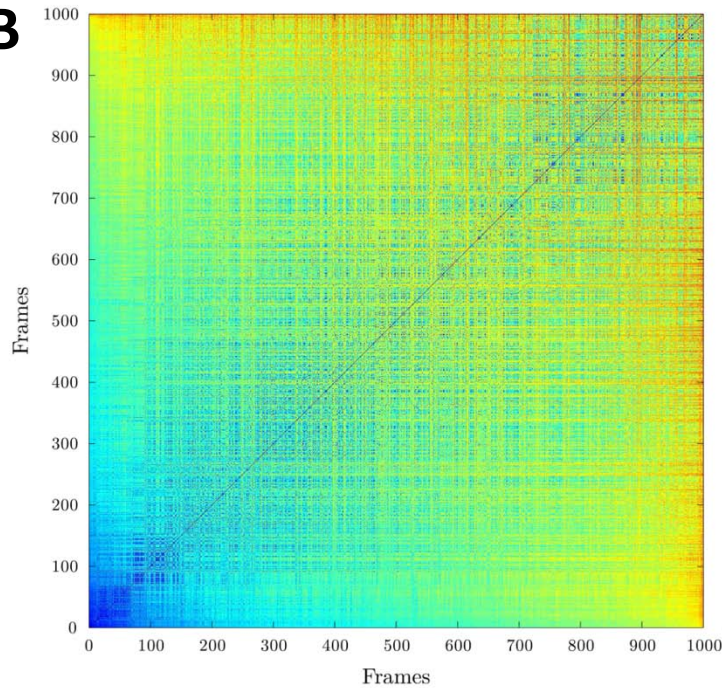
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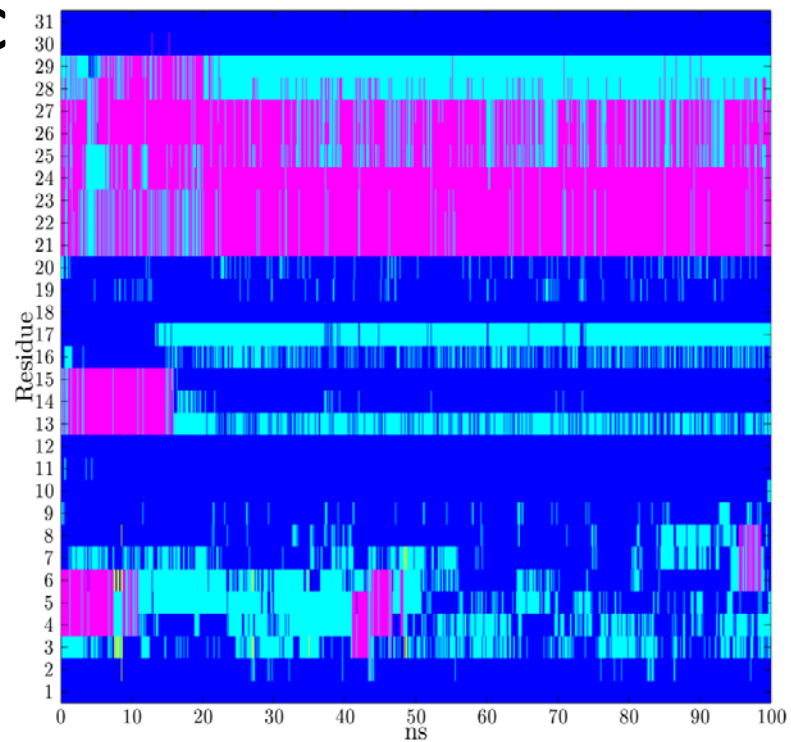
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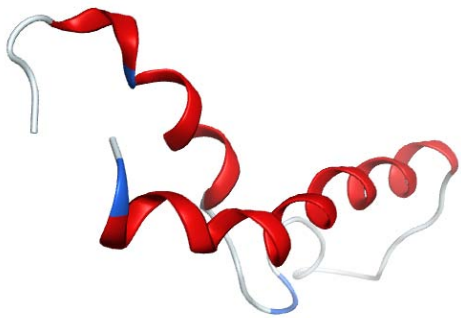
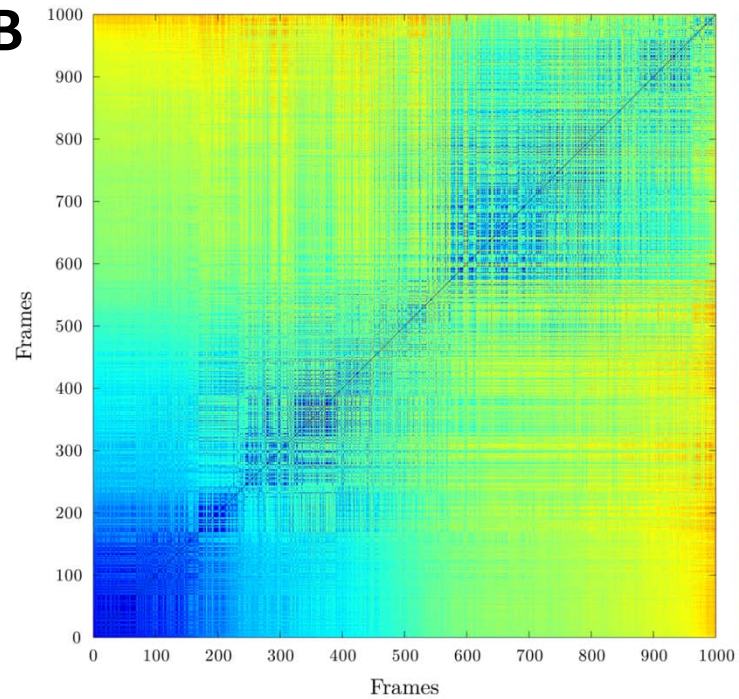
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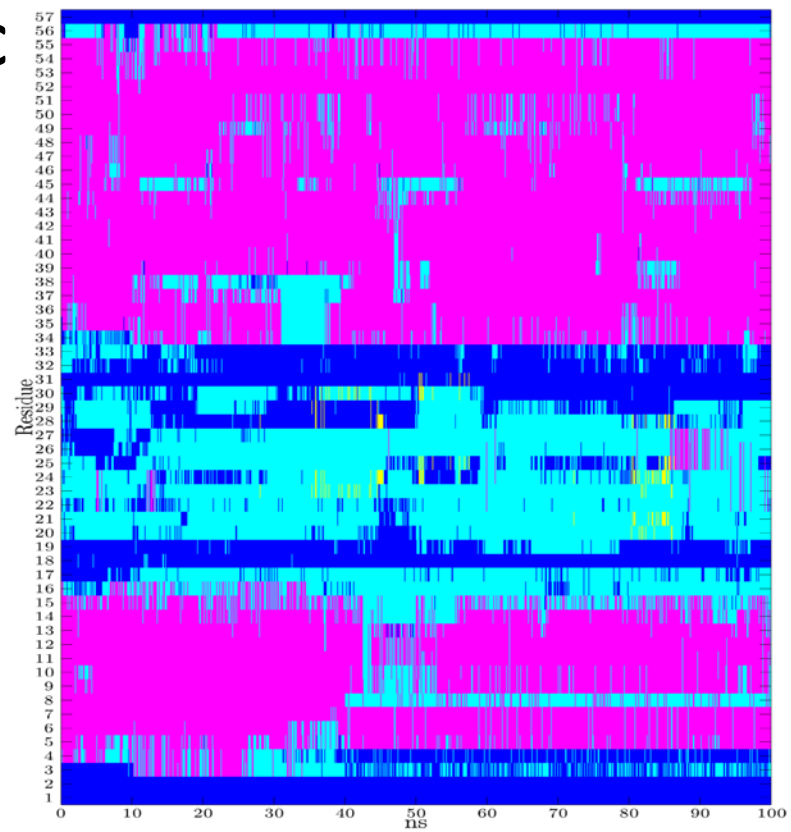
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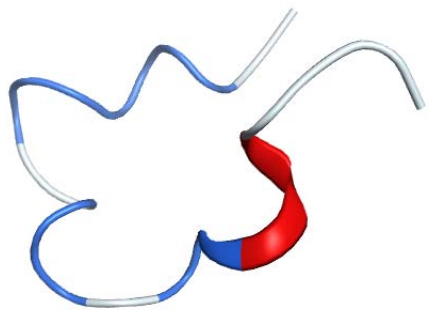
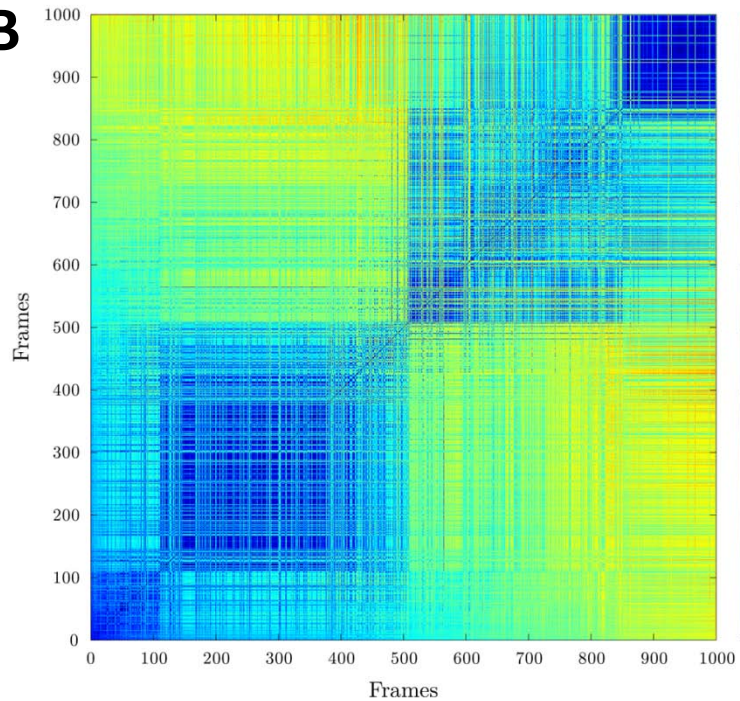
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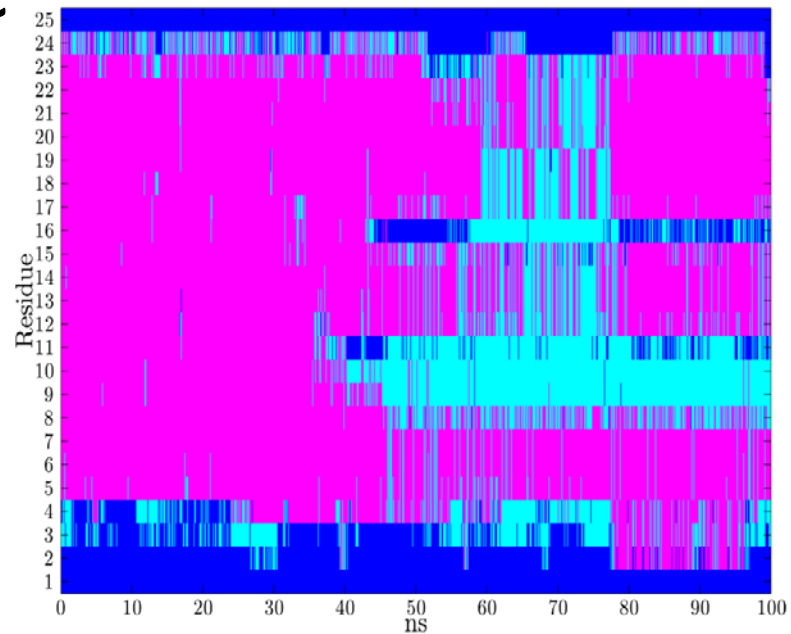
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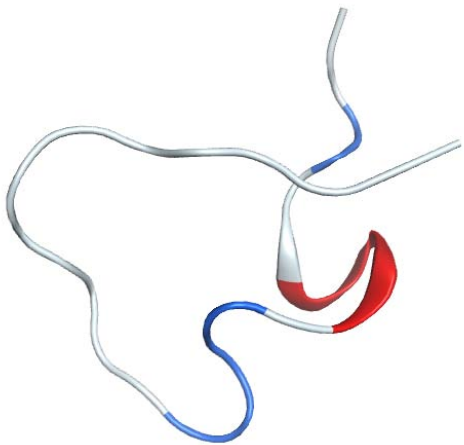
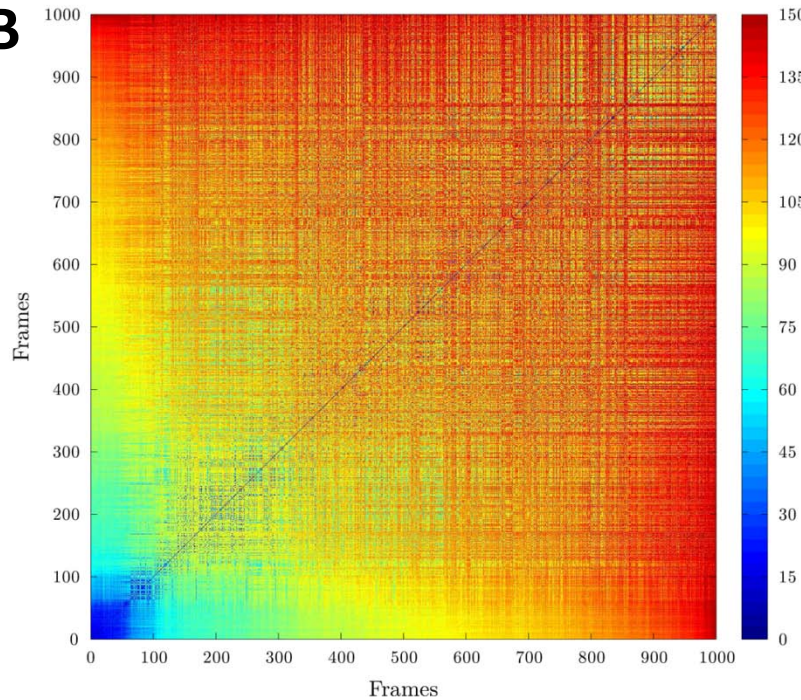
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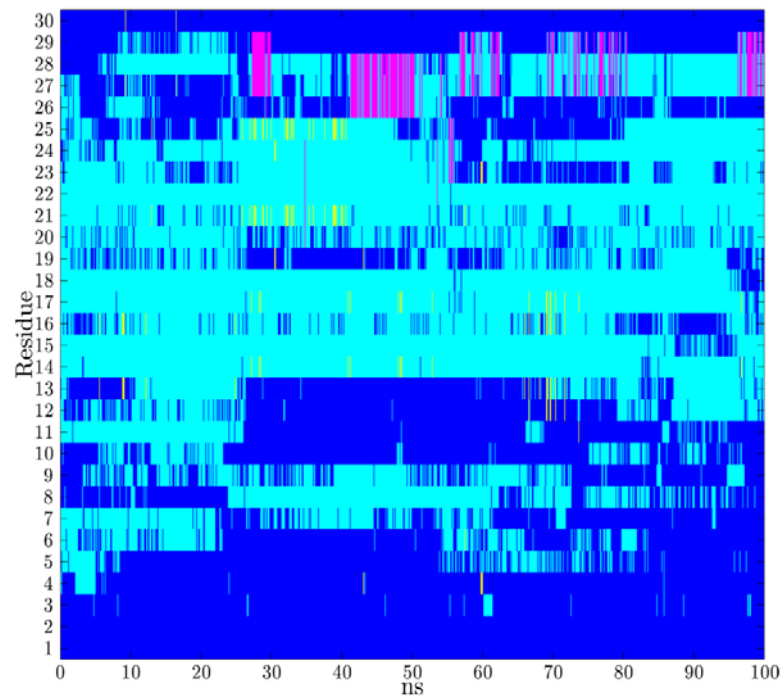
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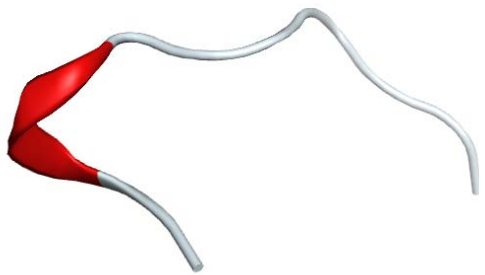
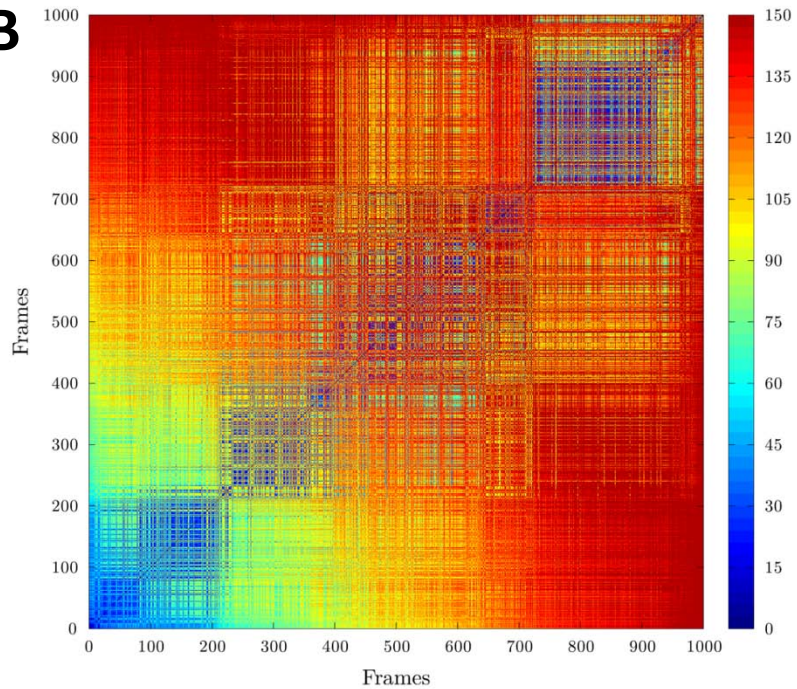
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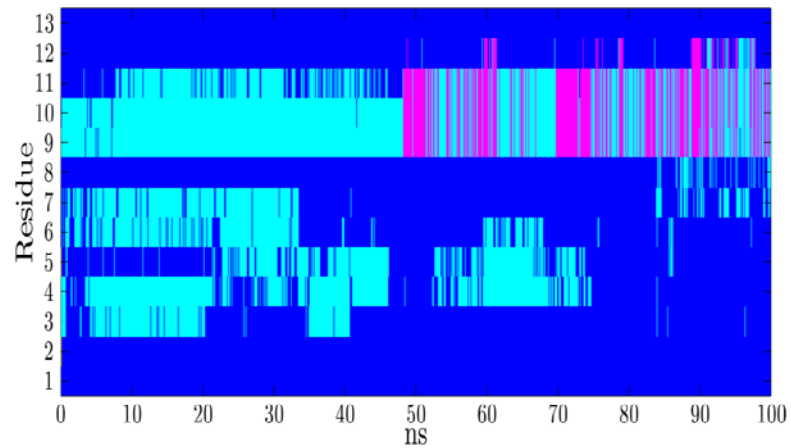
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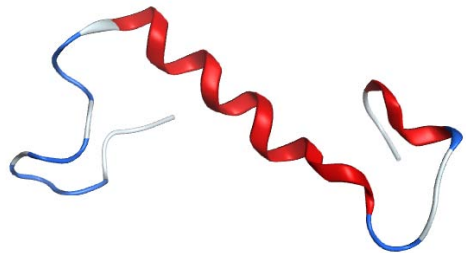
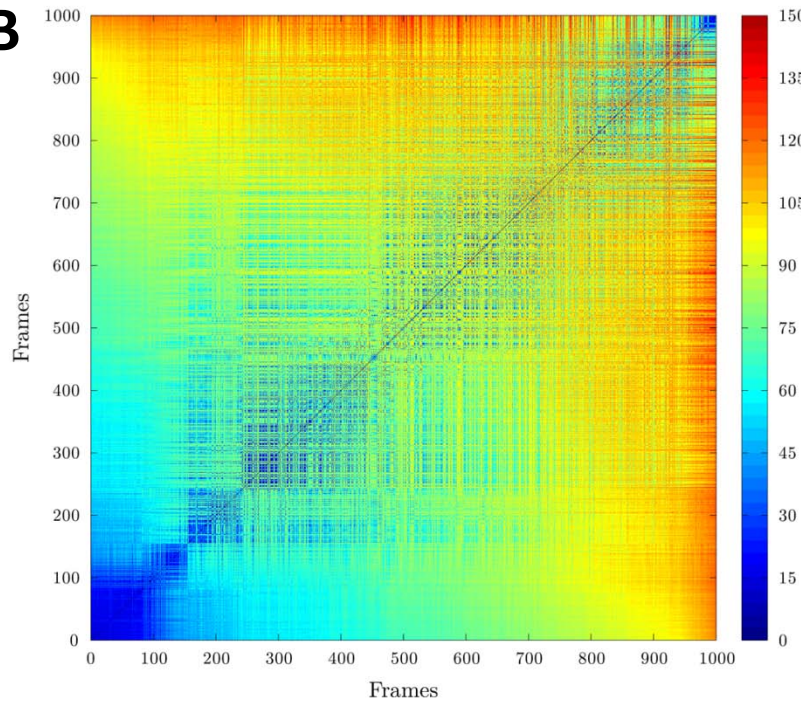
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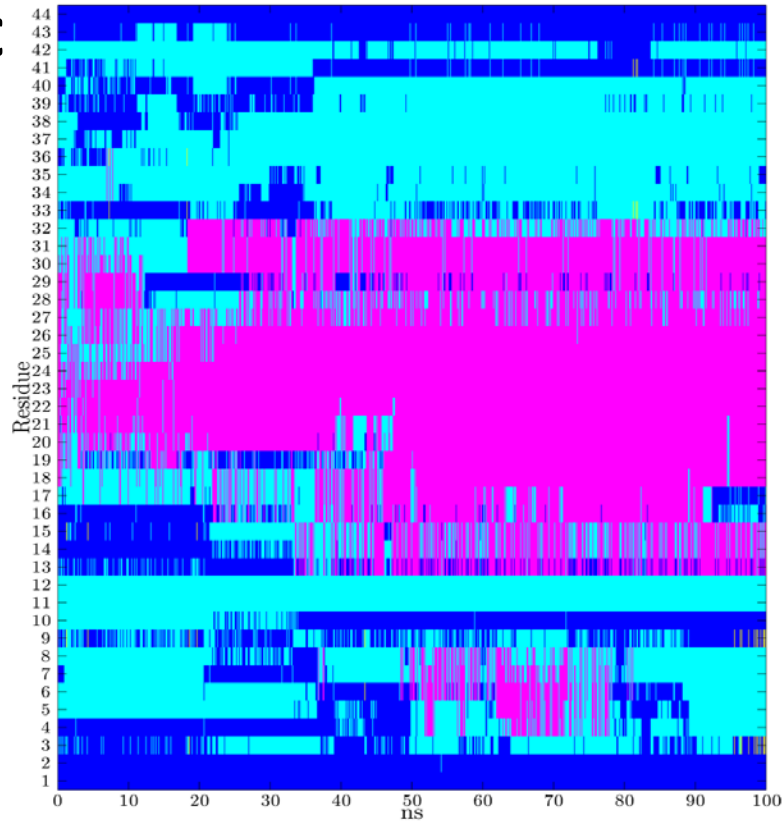
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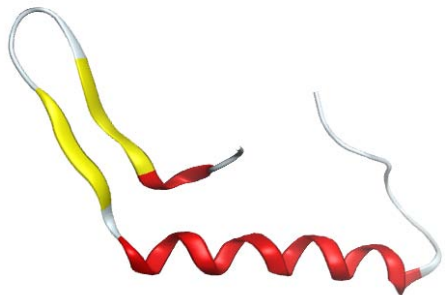
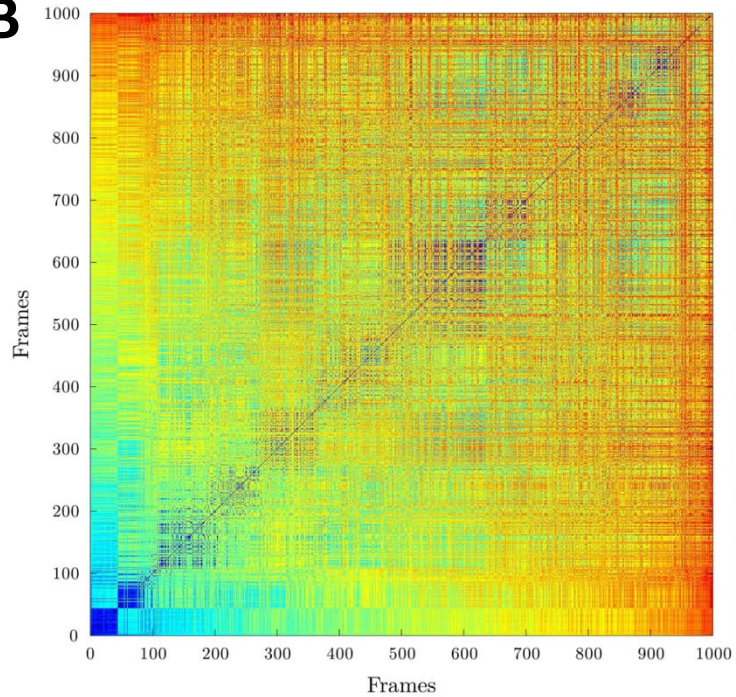
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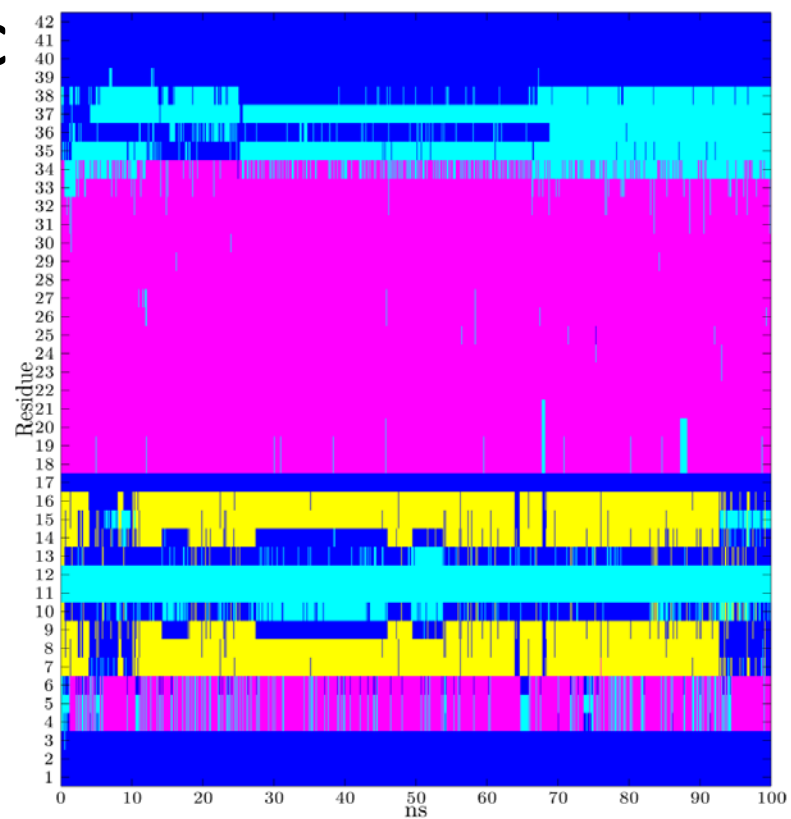
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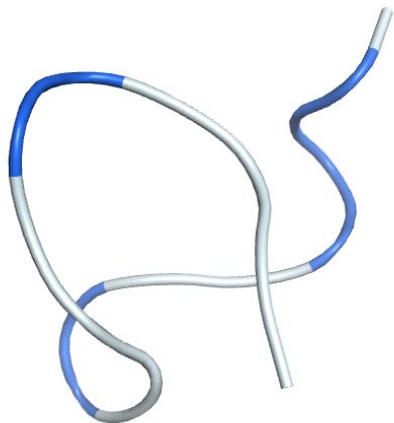
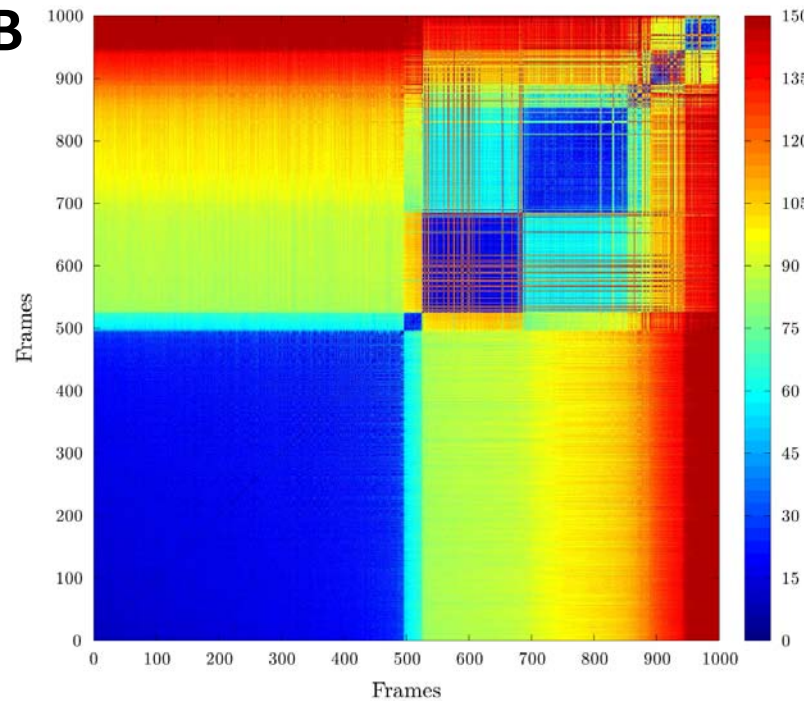
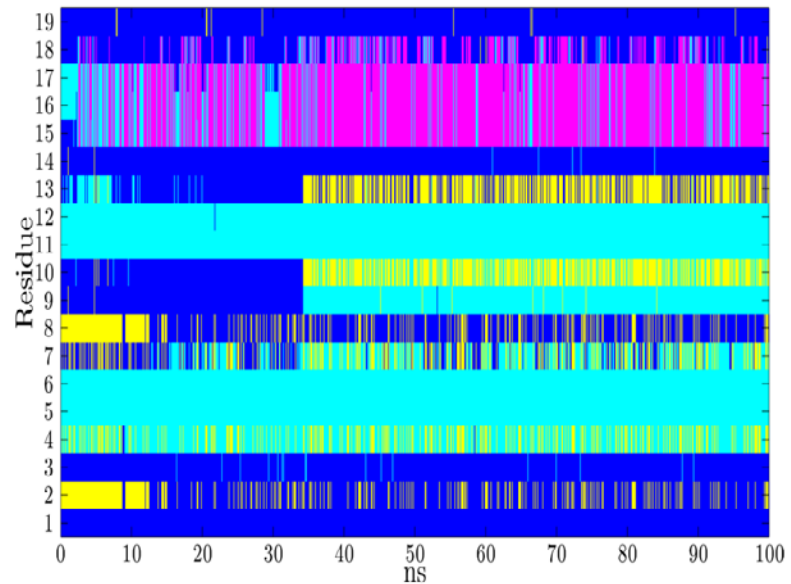
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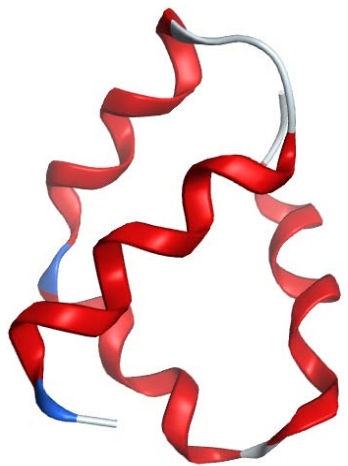
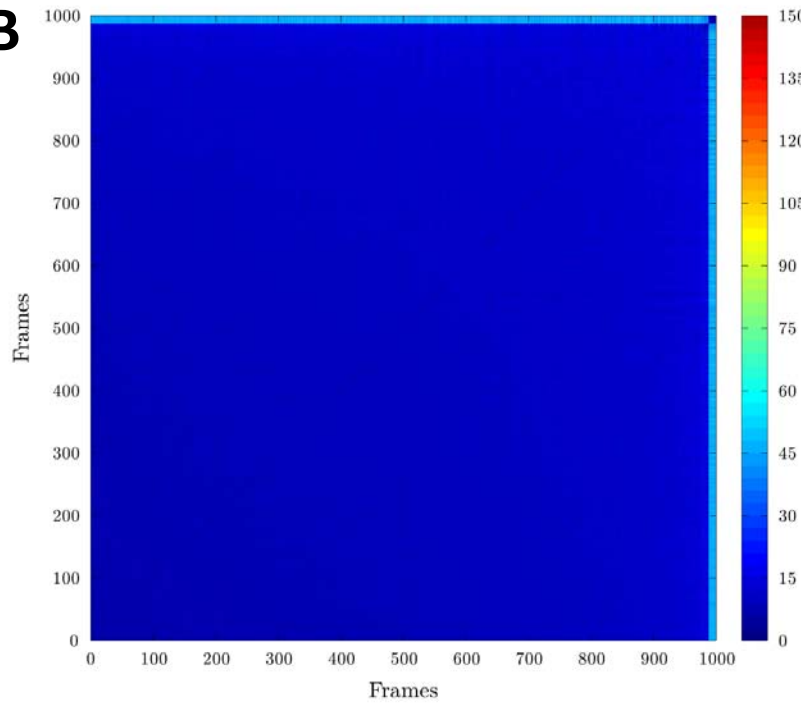
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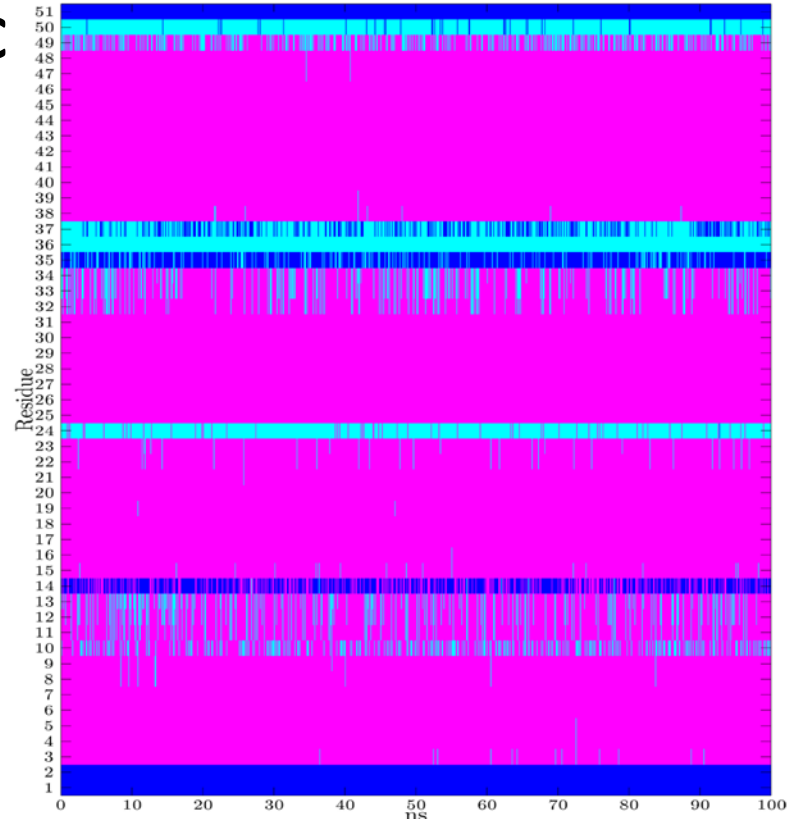
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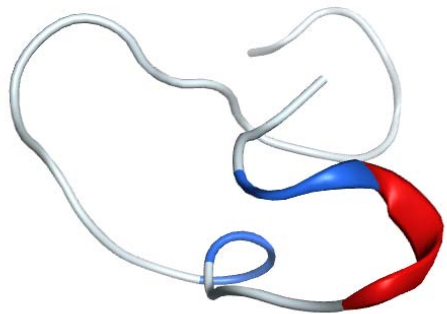
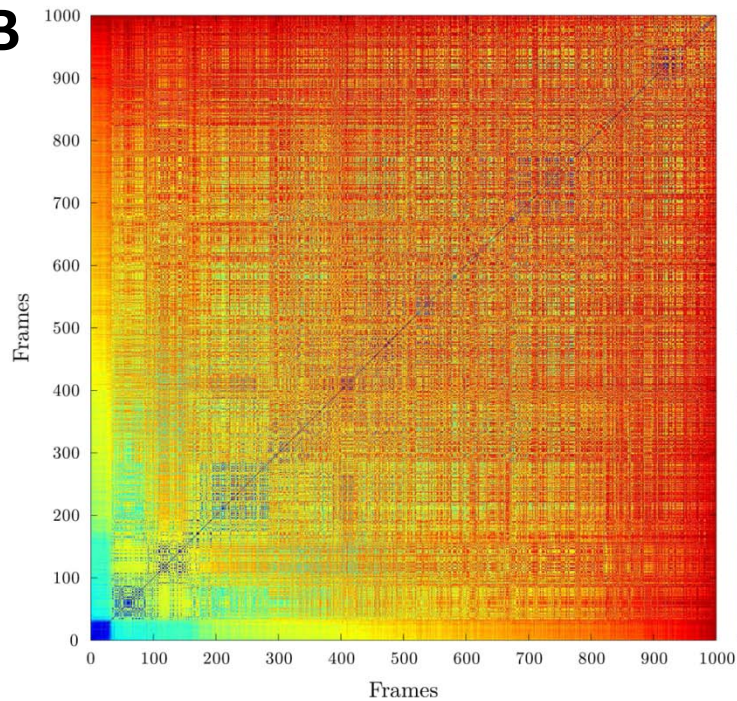
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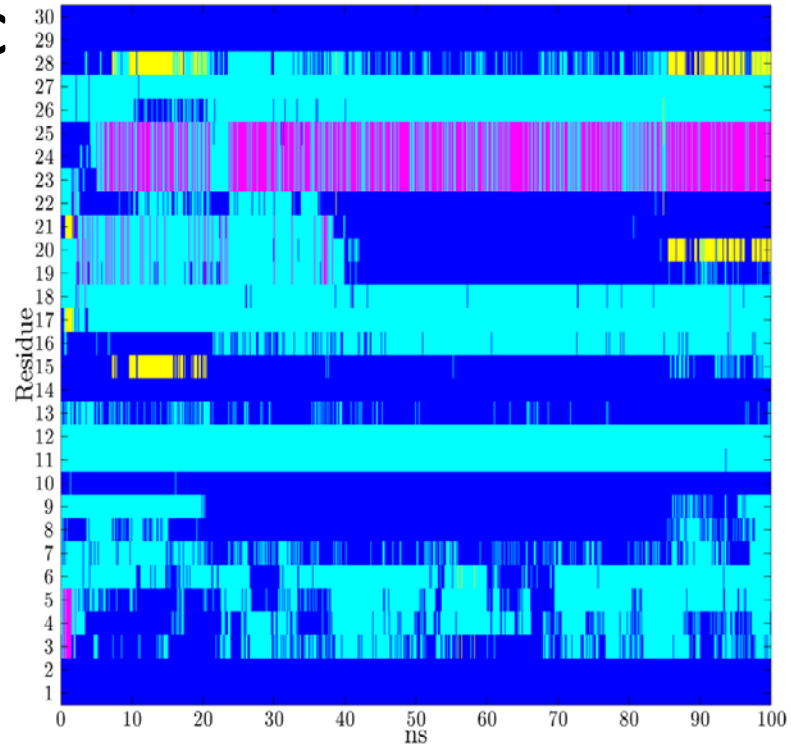
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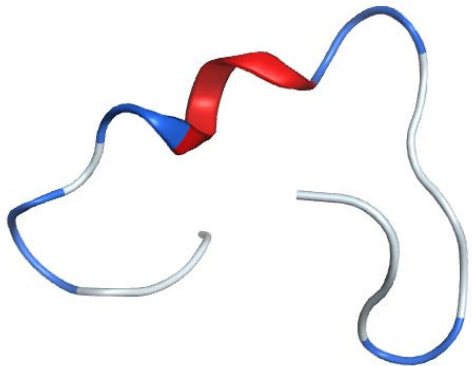
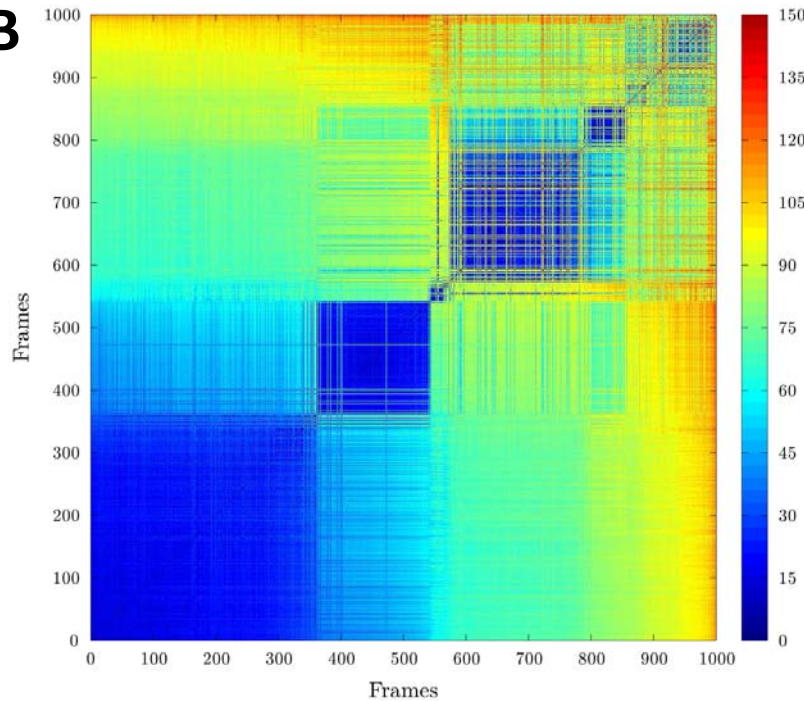
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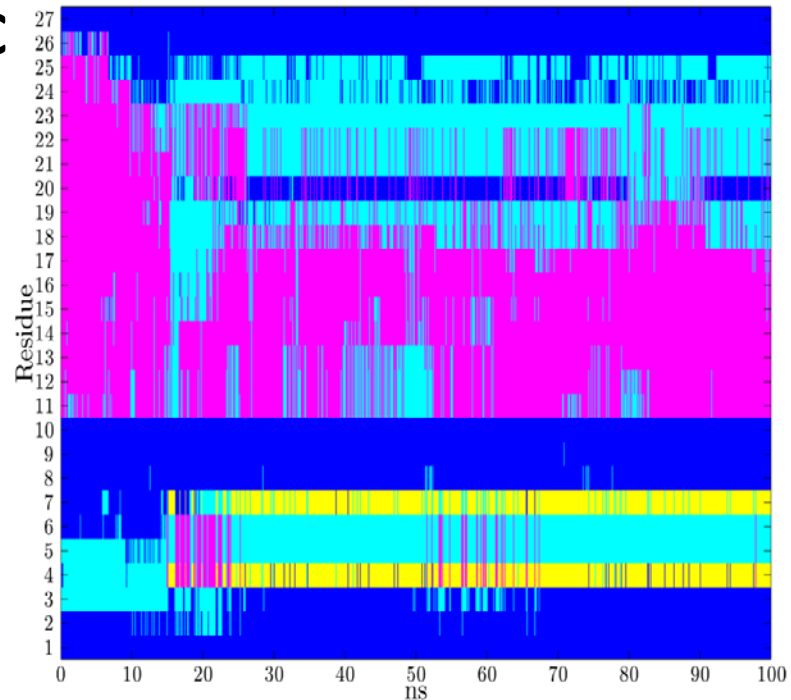
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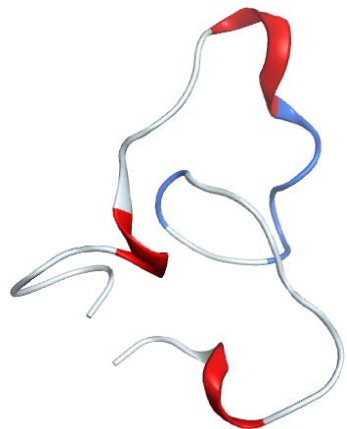
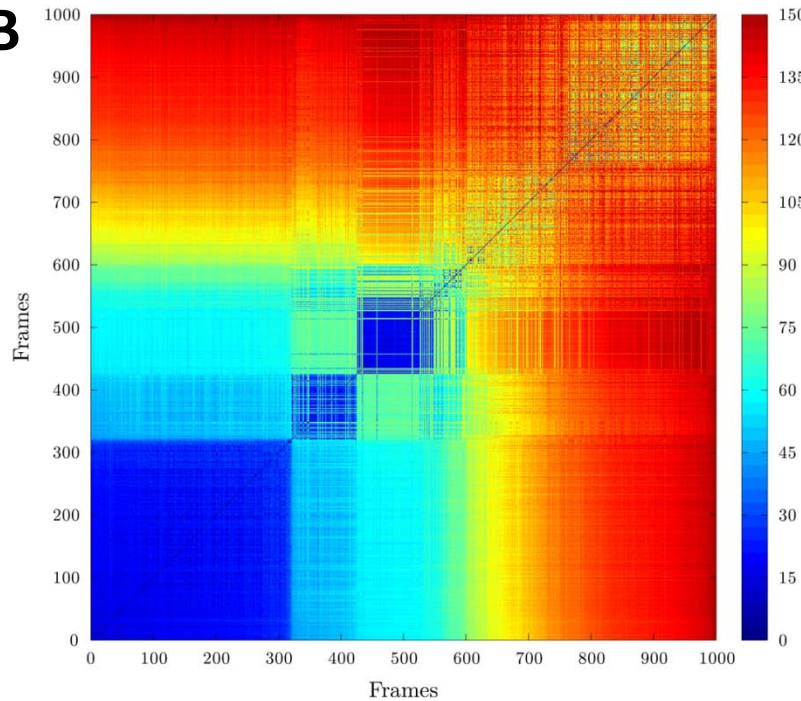
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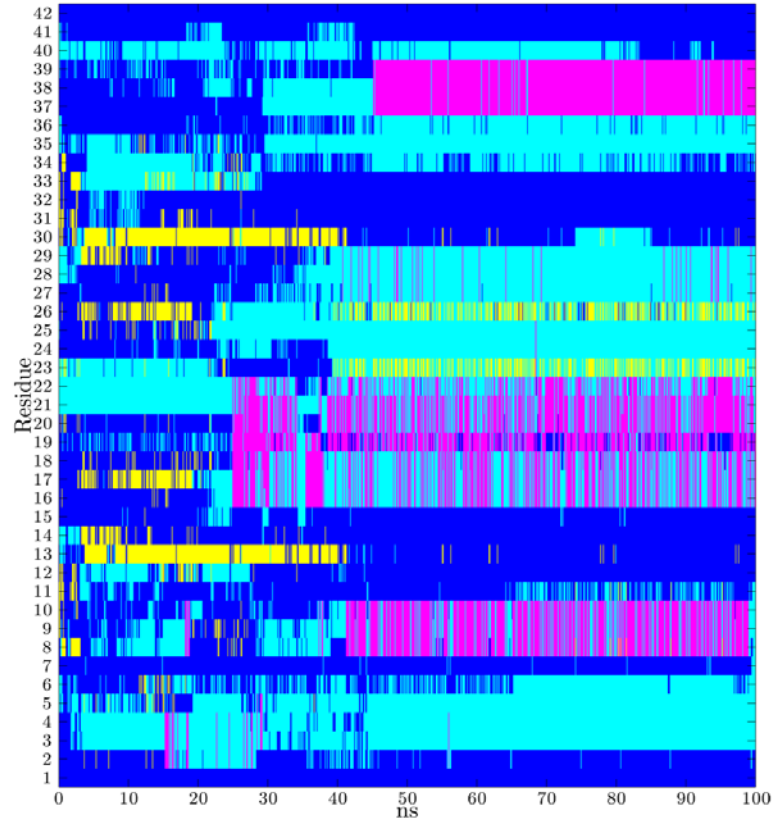
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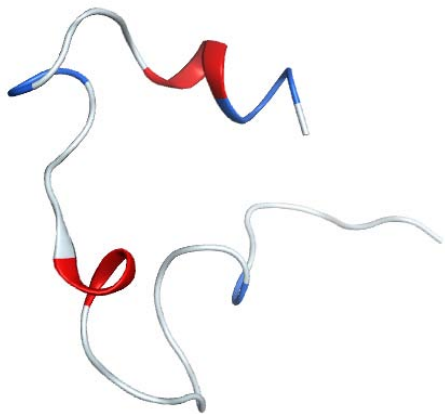
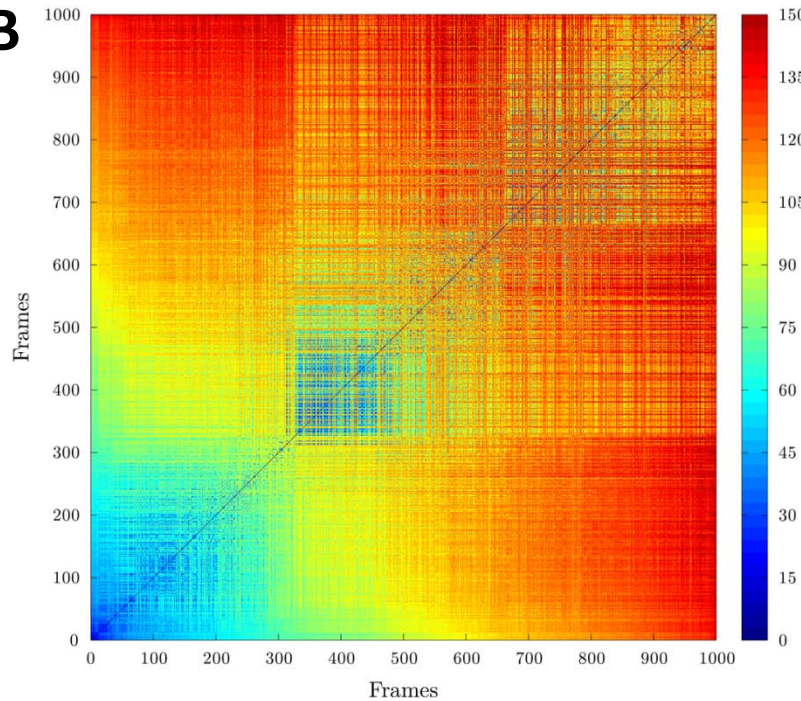
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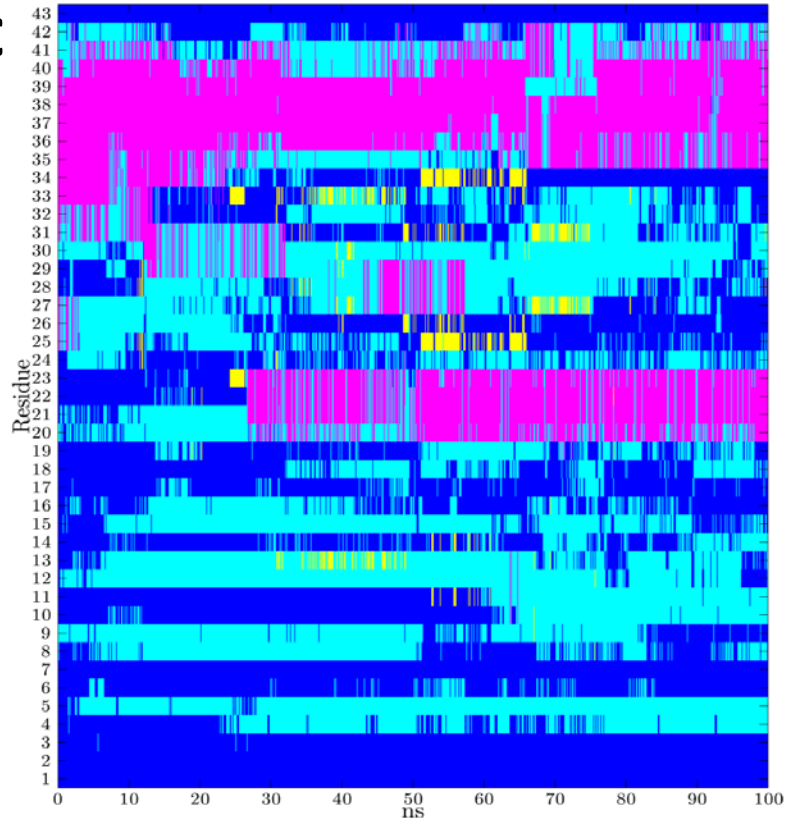
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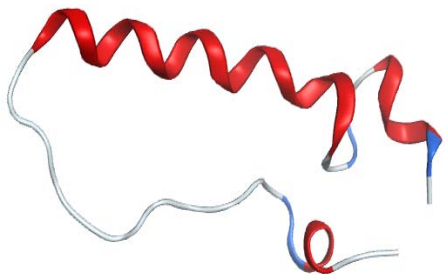
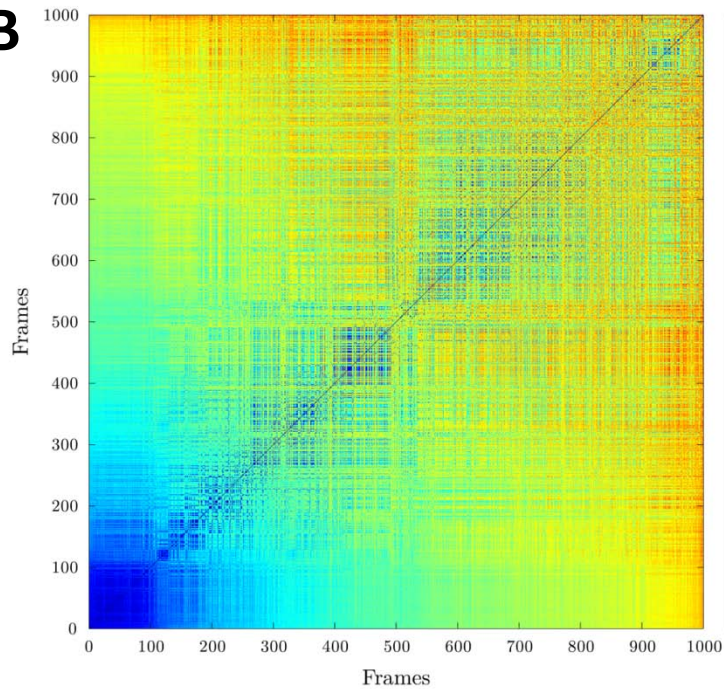
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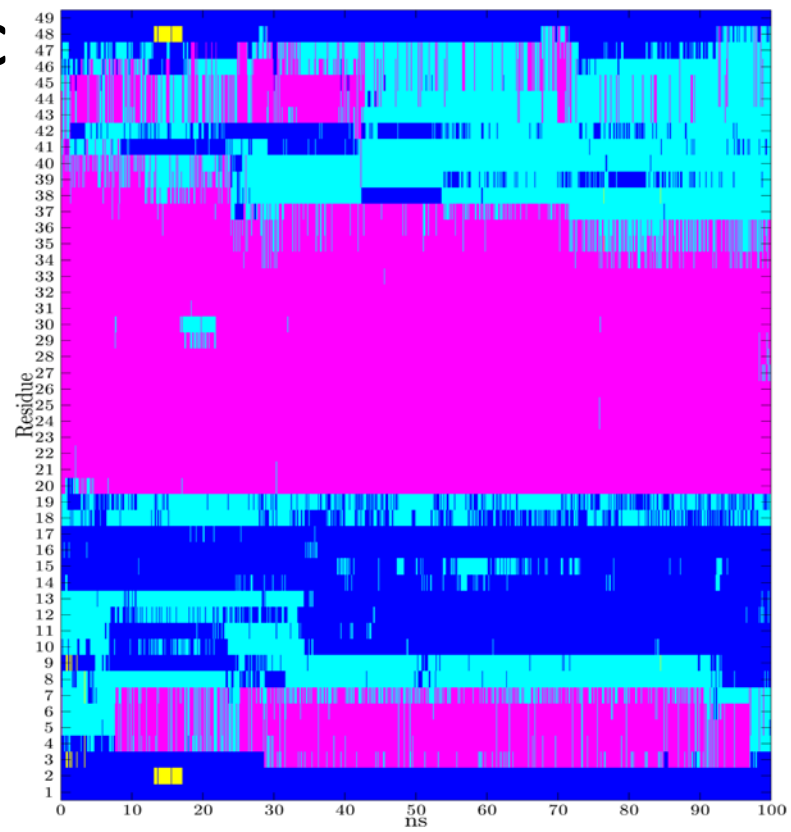
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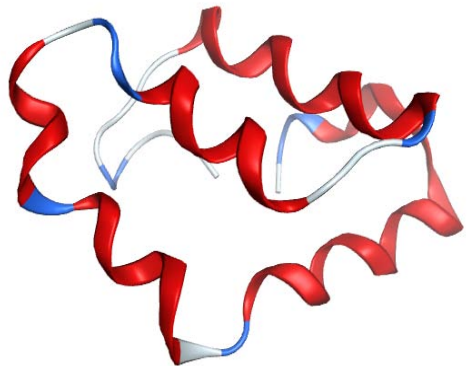
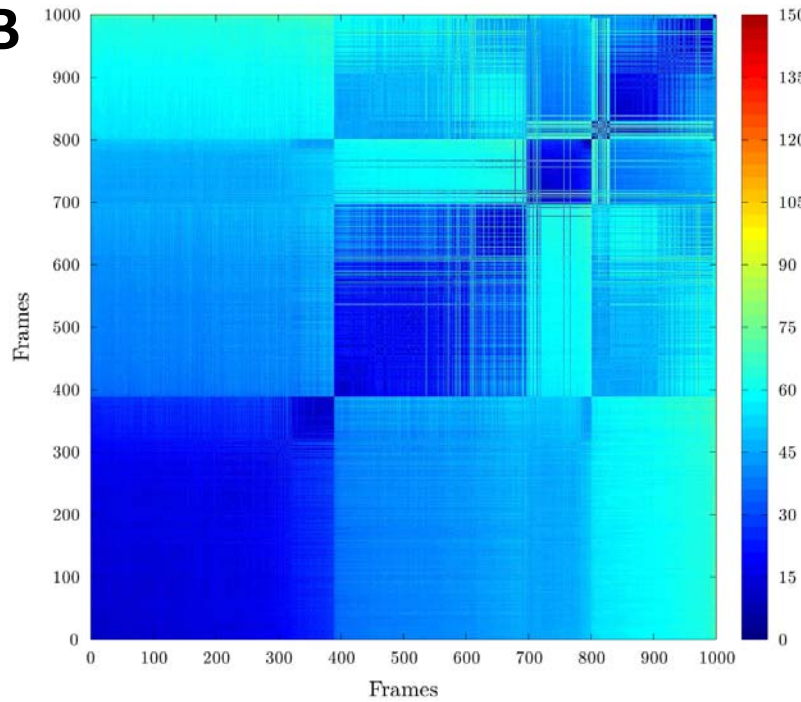
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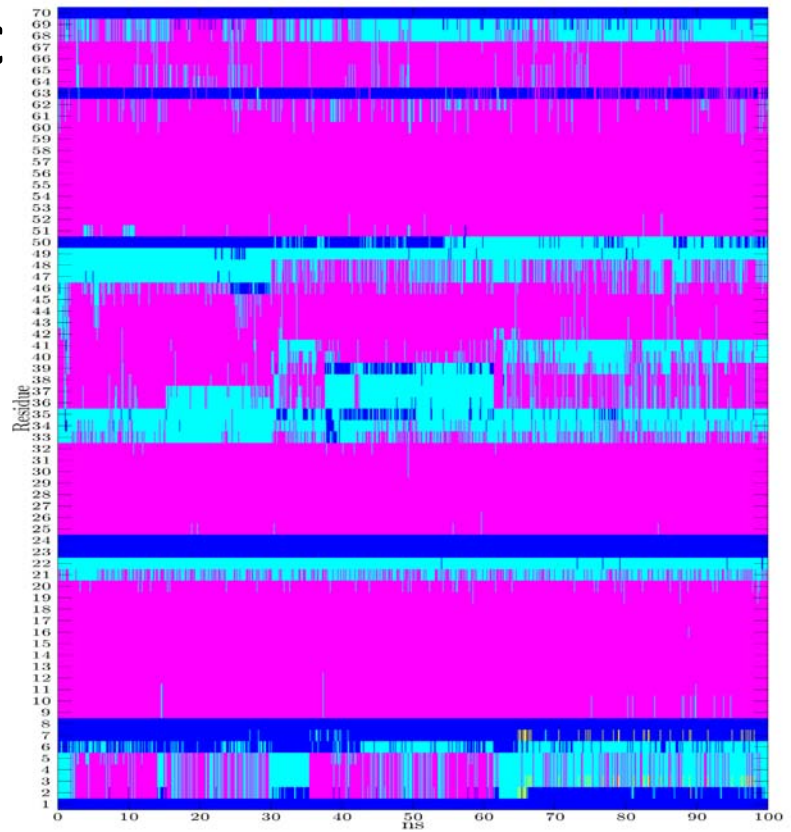
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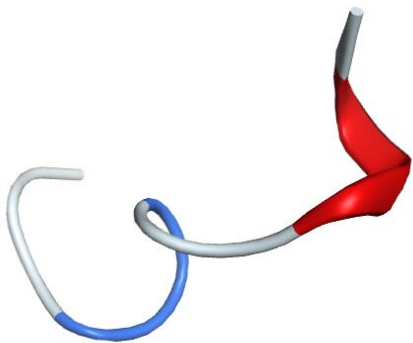
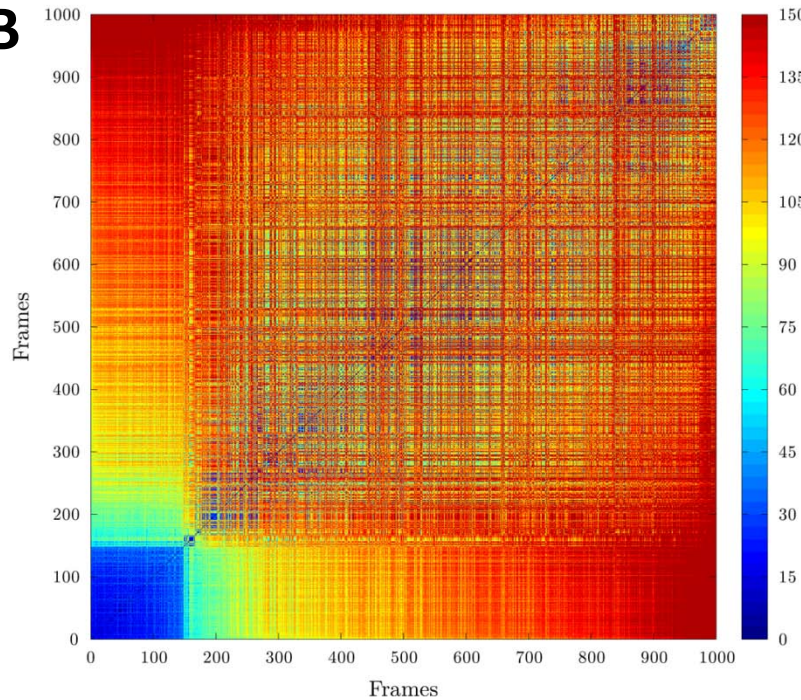
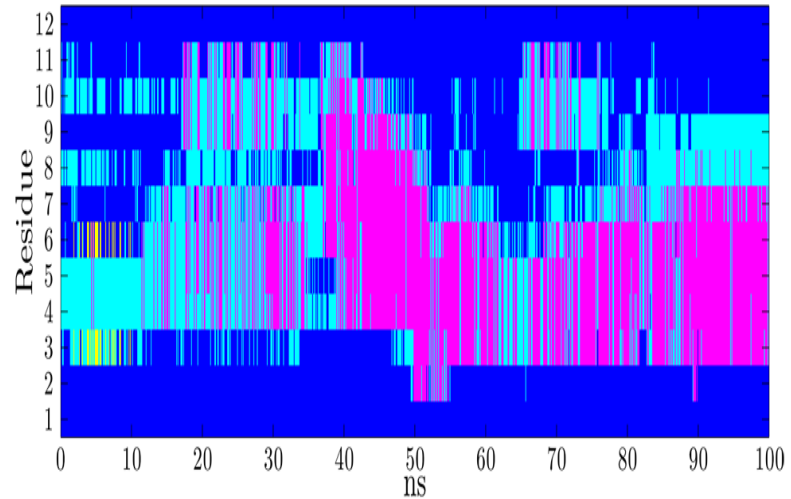
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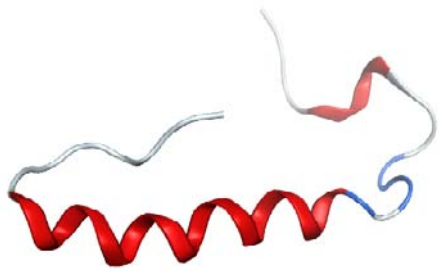
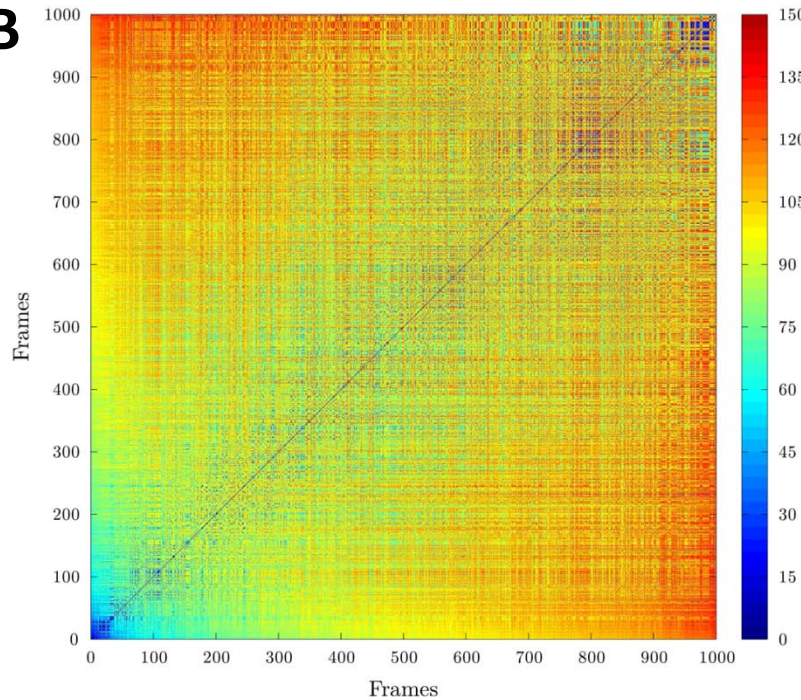
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A**B**

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A**B****DRAMP02470****C**

A**B**

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