1. **DNAse Project**

To investigate the correlation between minor groove width of the binding site and the cleavage rate, I have plotted the cleavage rate for all 4096 hexamers against minor groove width on position -1, -2 and +1 respectively.

![Graph -3](image)

![Graph -2](image)
-1

\[ \text{Minor Groove Width} \]

\[ \text{log (cleavage rate)} \]

\[ R^2 = 0.1675 \]

+1

\[ \text{Minor Groove Width} \]

\[ \text{log (cleavage rate)} \]

\[ R^2 = 0.1675 \]

Linear (+1)
From the above 6 figures we cannot see any correlation. Thus the following plot in the manuscript might be misleading. This also explains why such high R-square could not be observed when we used a different set of sequences.