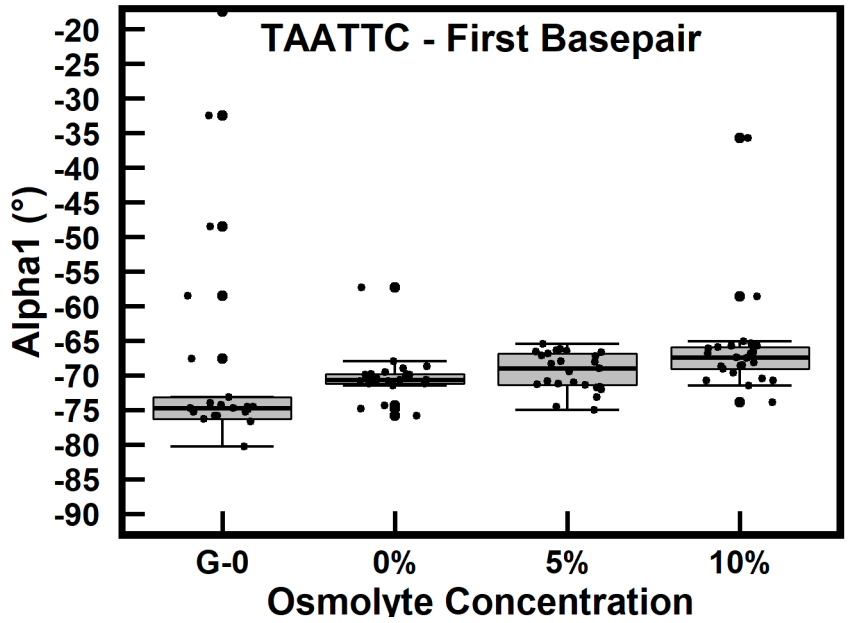
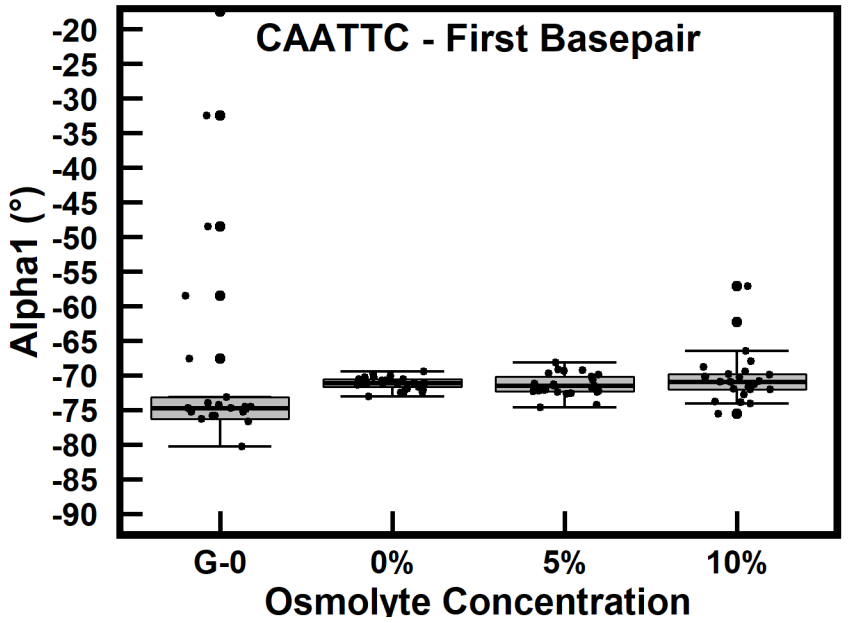
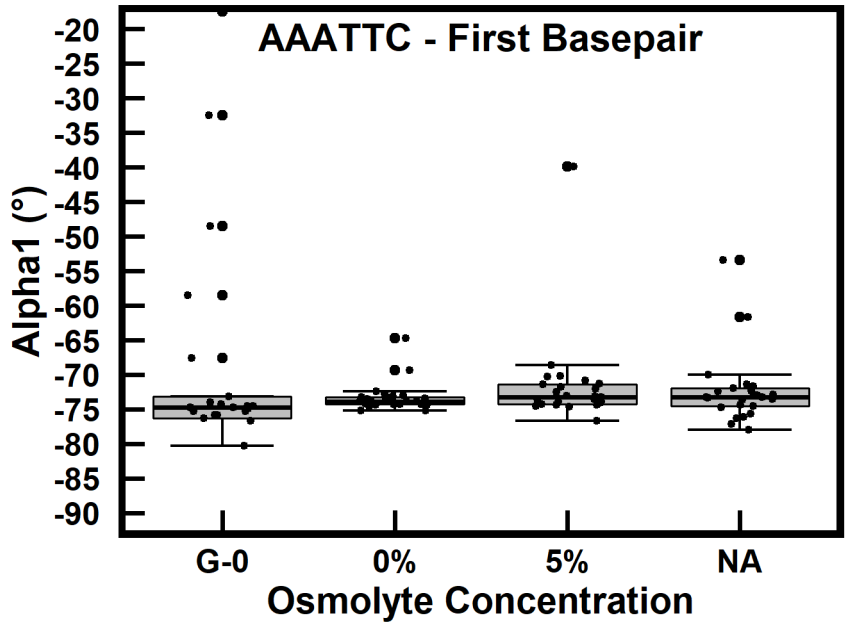
Significance plot of the DNA backbone angles obtained from unpaired t-test with respect to GAATTC

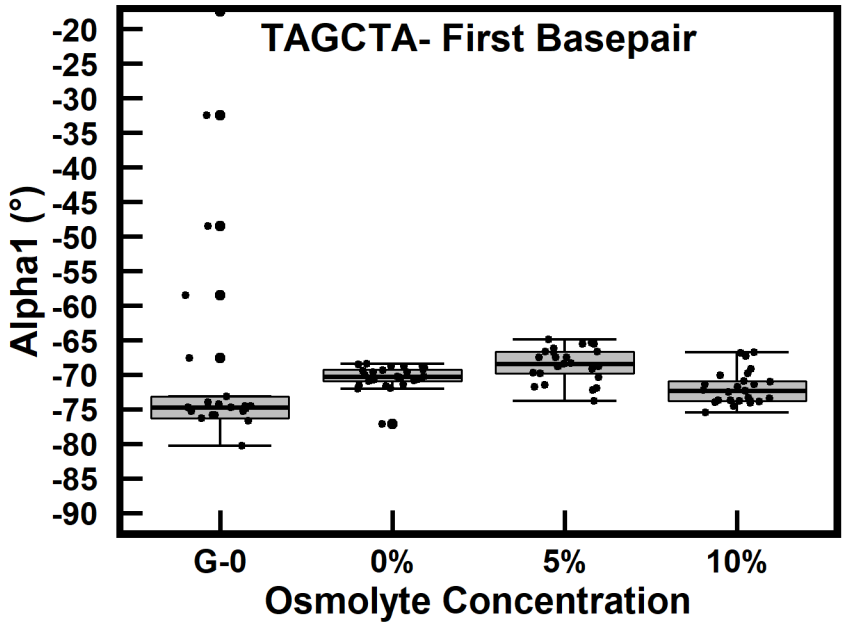
The values were deemed to be significantly different at a confidence interval of 95% and p-value < 0.01

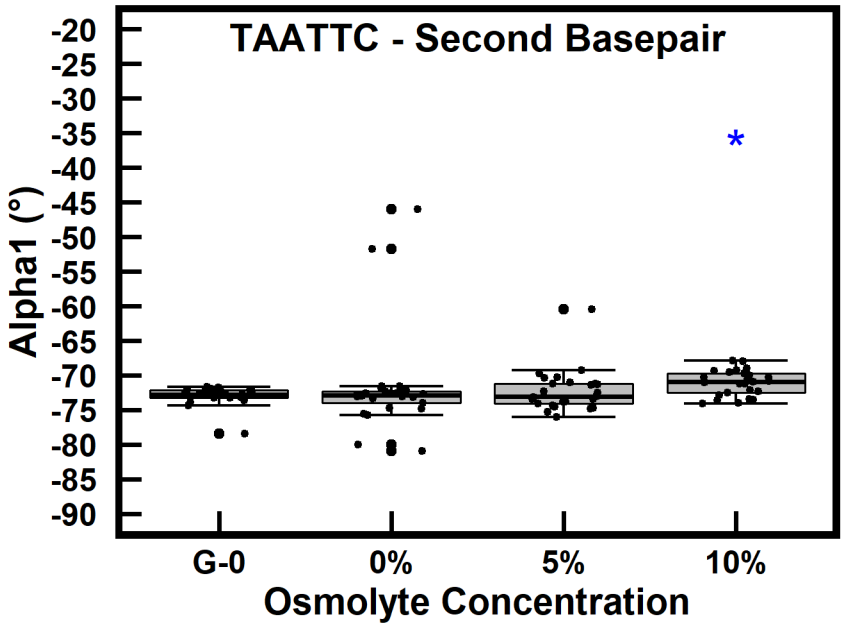
Alpha1

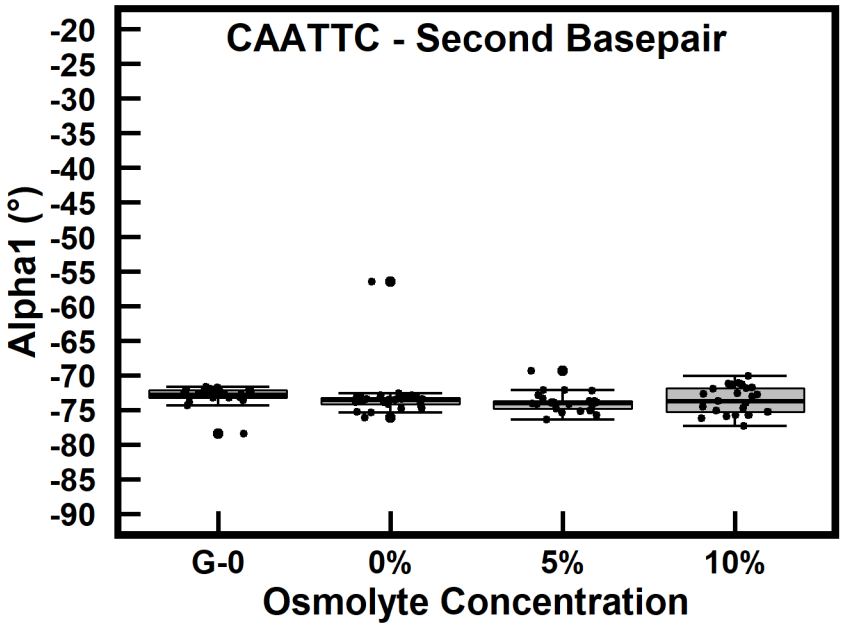

TAATTC - First Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

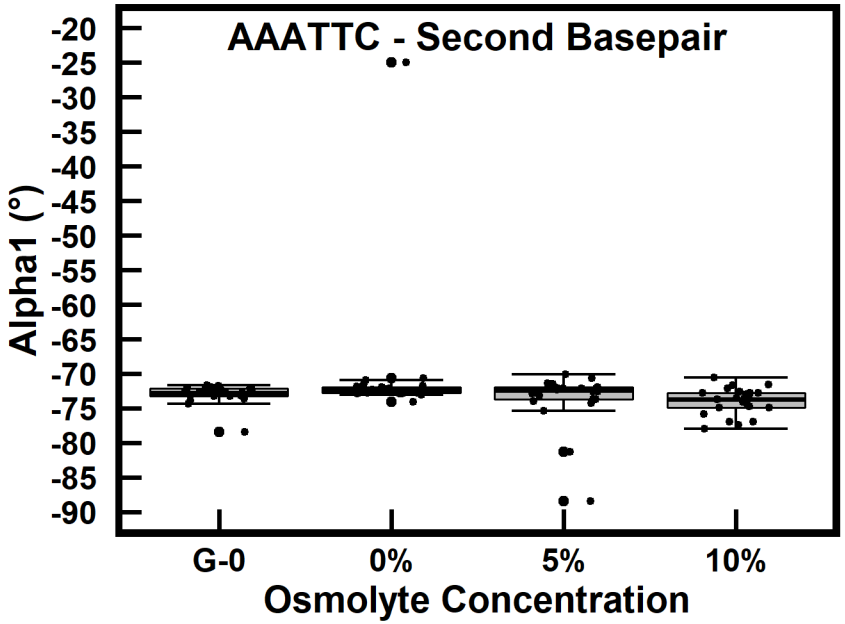

CAATTC - First Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

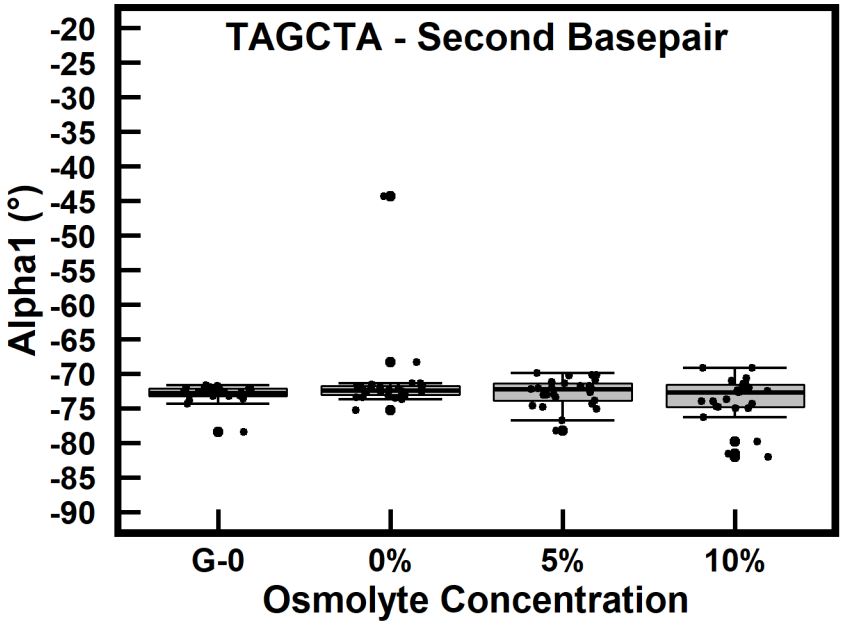

AAATTC - First Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
NA
Osmolyte Concentration

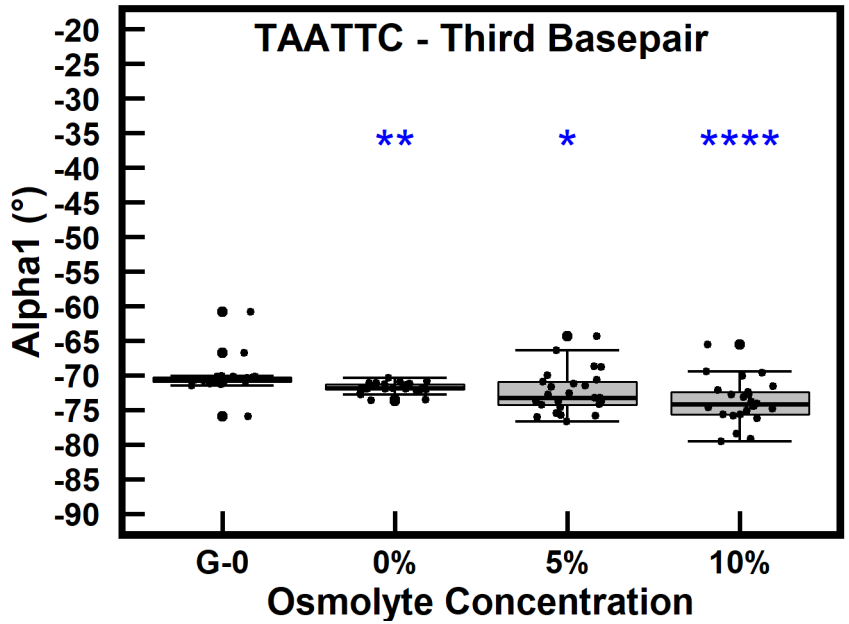

TAGCTA- First Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

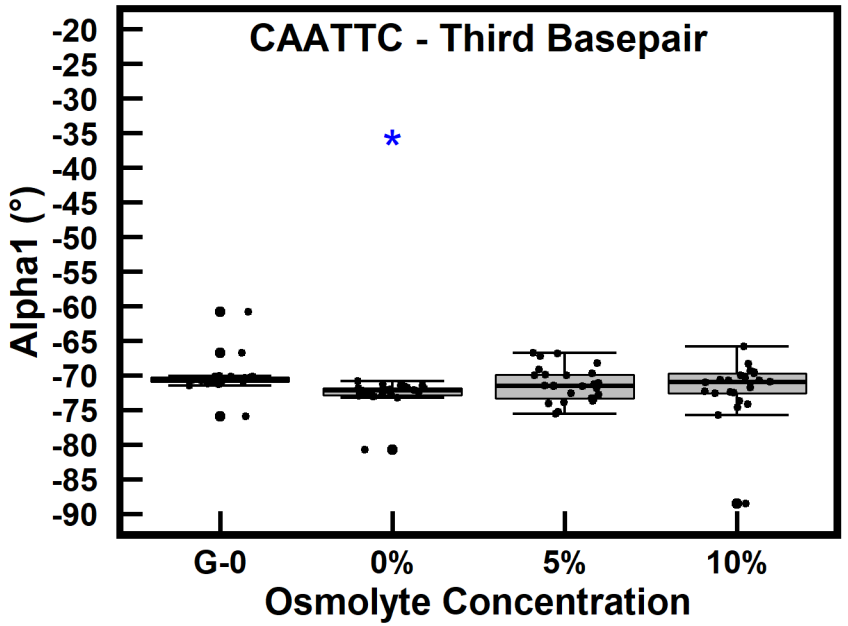

TAATTC - Second Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

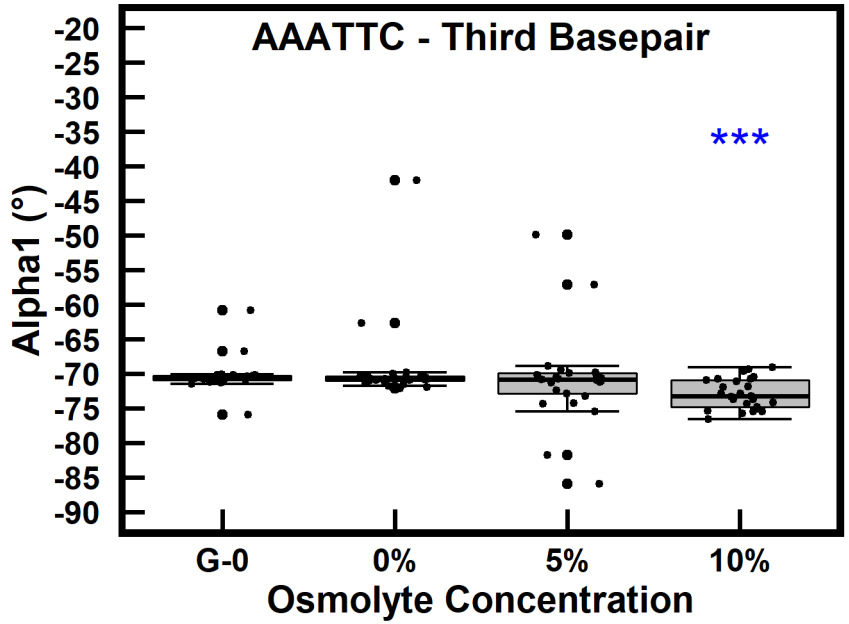

CAATTC - Second Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

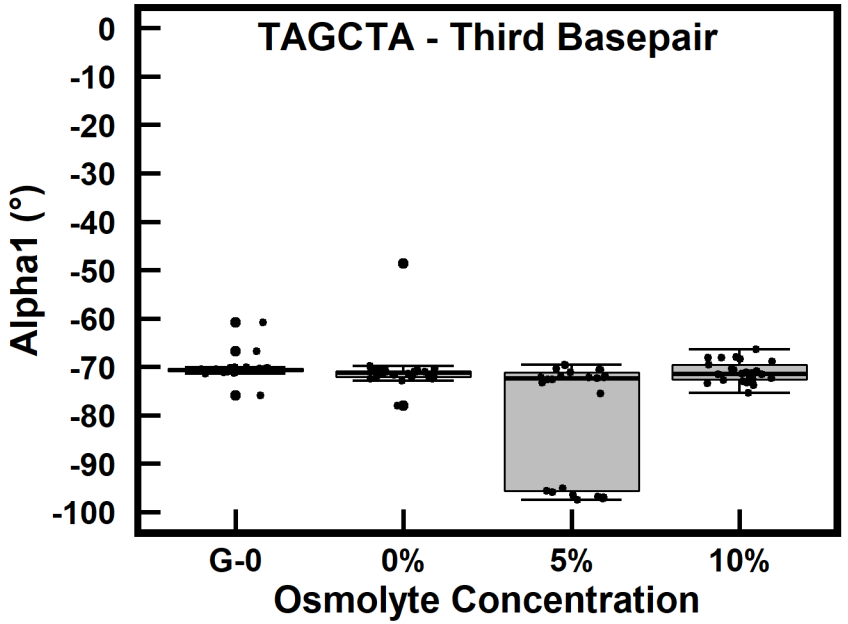

AAATTC - Second Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

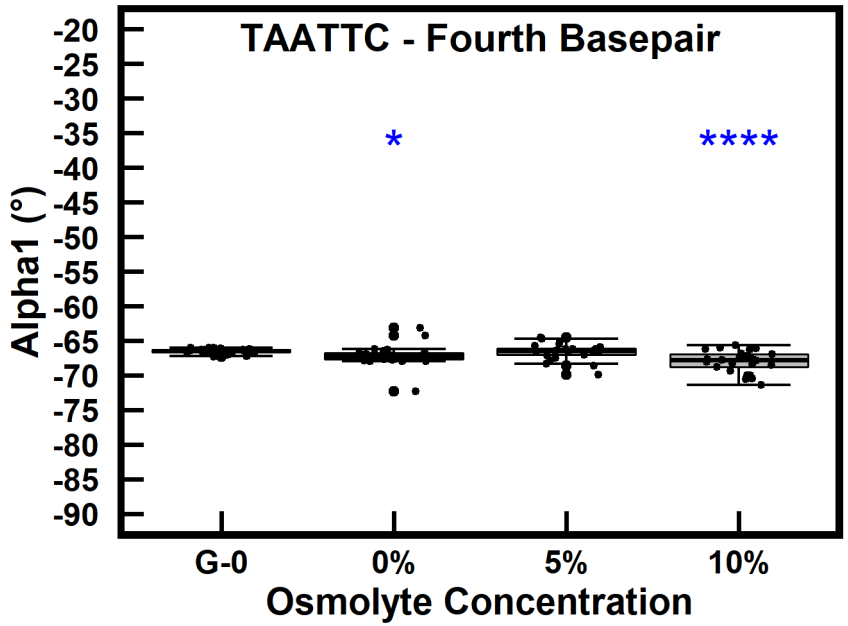

TAGCTA - Second Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

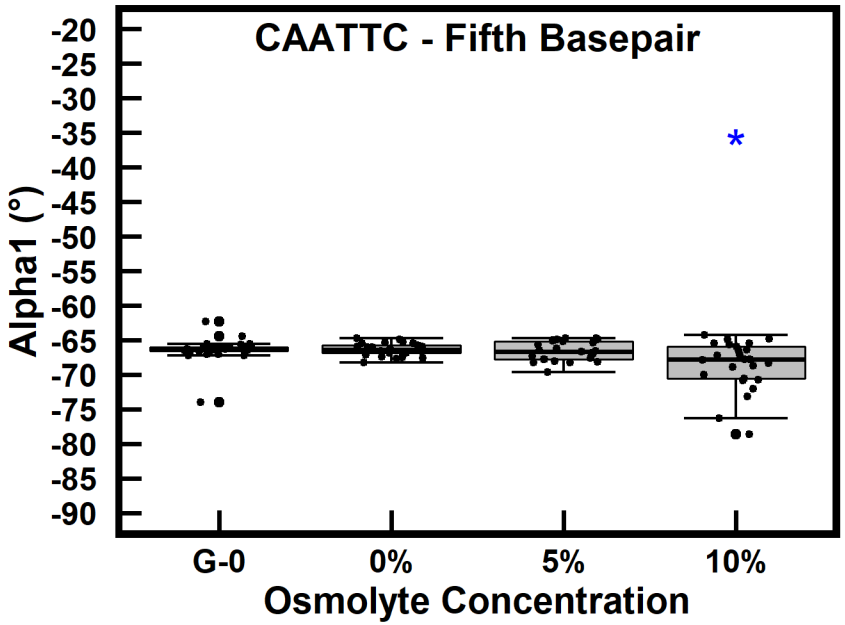

TAATTC - Third Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
**
*
****
G-0
0%
5%
10%
Osmolyte Concentration

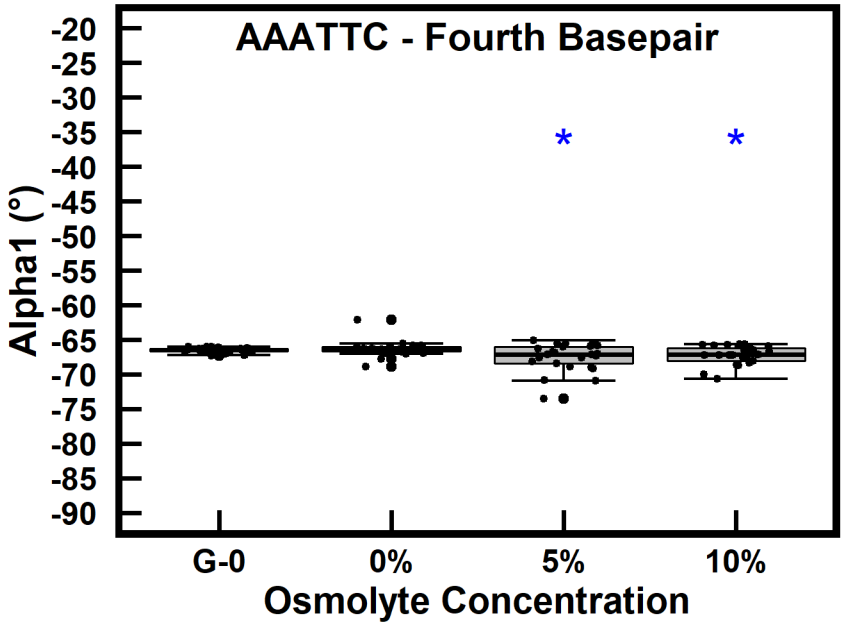

CAATTC - Third Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
*
G-0
0%
5%
10%
Osmolyte Concentration


AAATTC - Third Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
***
G-0
0%
5%
10%
Osmolyte Concentration


TAGCTA - Third Basepair
Alpha1 (°)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
G-0
0%
5%
10%
Osmolyte Concentration


TAATTC - Fourth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
*
****
G-0
0%
5%
10%
Osmolyte Concentration


CAATTC - Fifth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
*
G-0
0%
5%
10%
Osmolyte Concentration


AAATTC - Fourth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
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-50
-55
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-70
-75
-80
-85
-90
*
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G-0
0%
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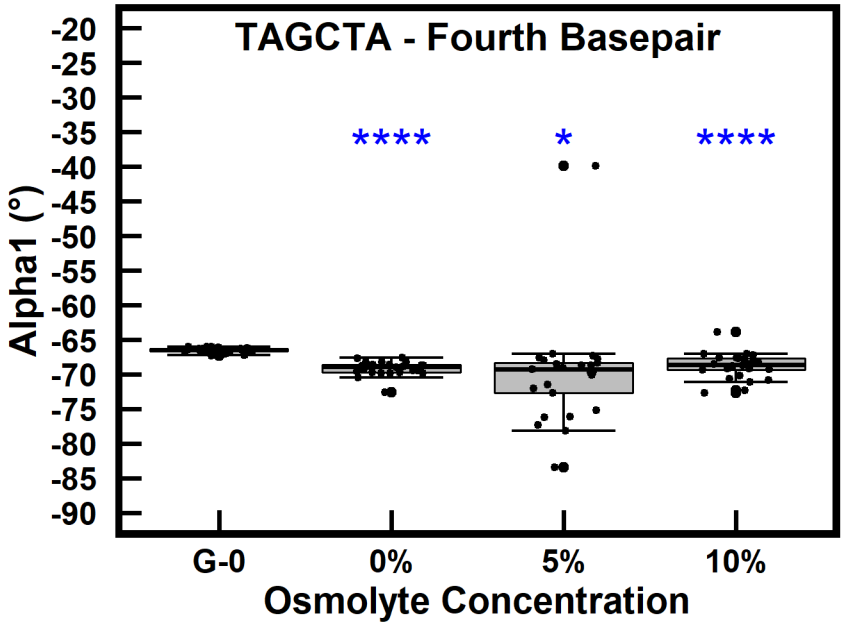
10%
Osmolyte Concentration


TAGCTA - Fourth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
****
*
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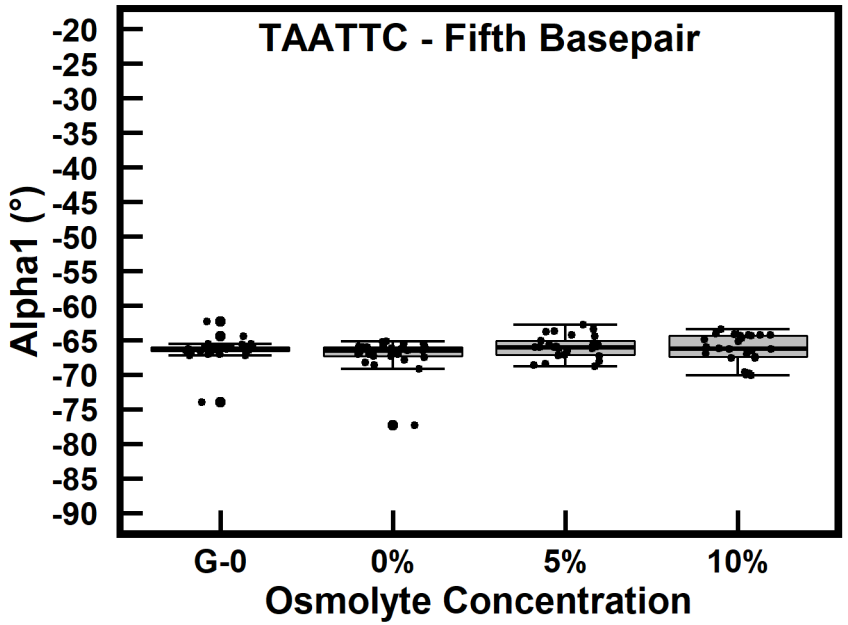
G-0
0%
5%
10%
Osmolyte Concentration


TAATTC - Fifth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
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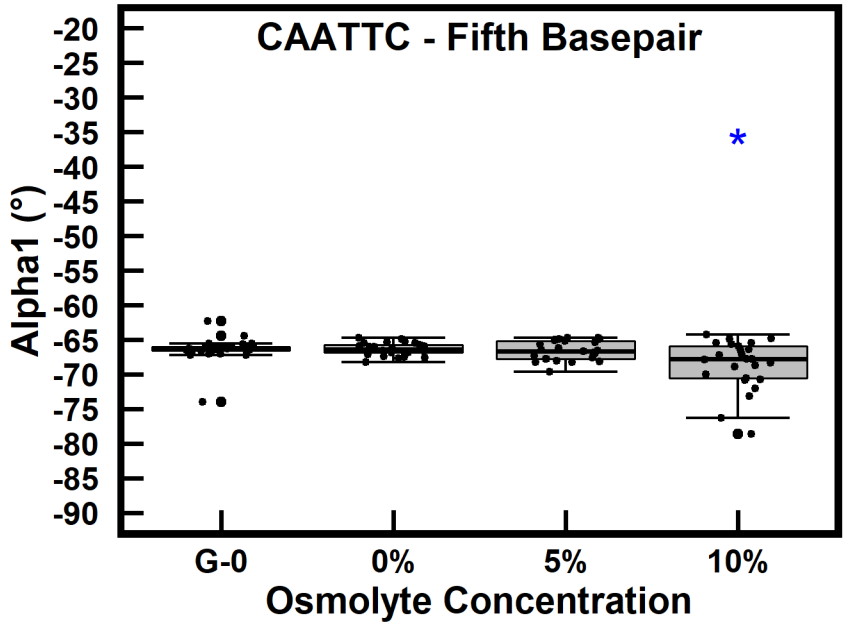
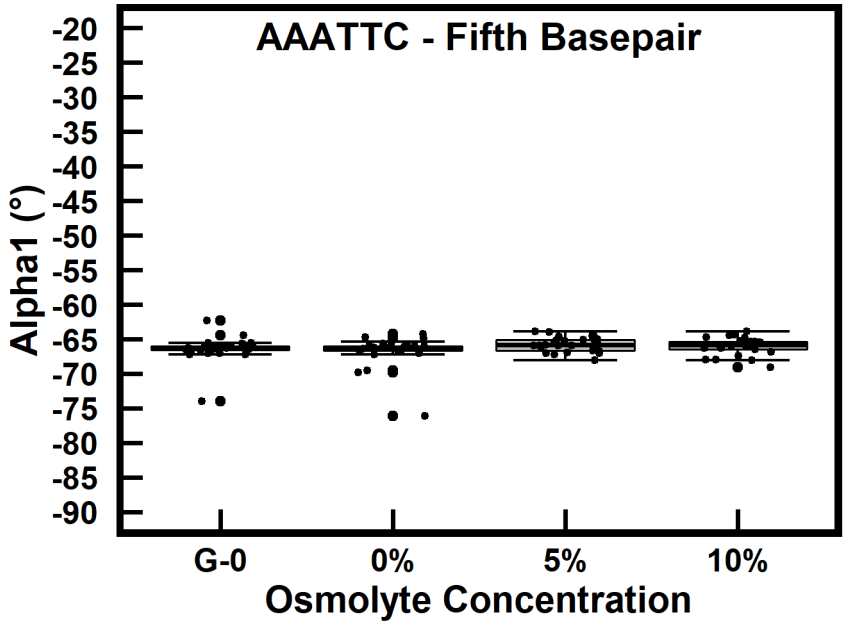
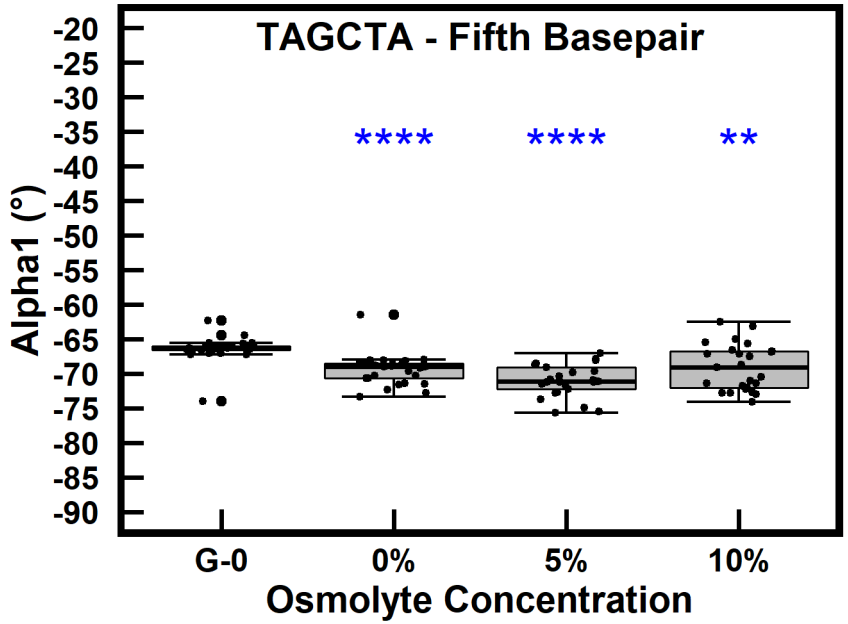
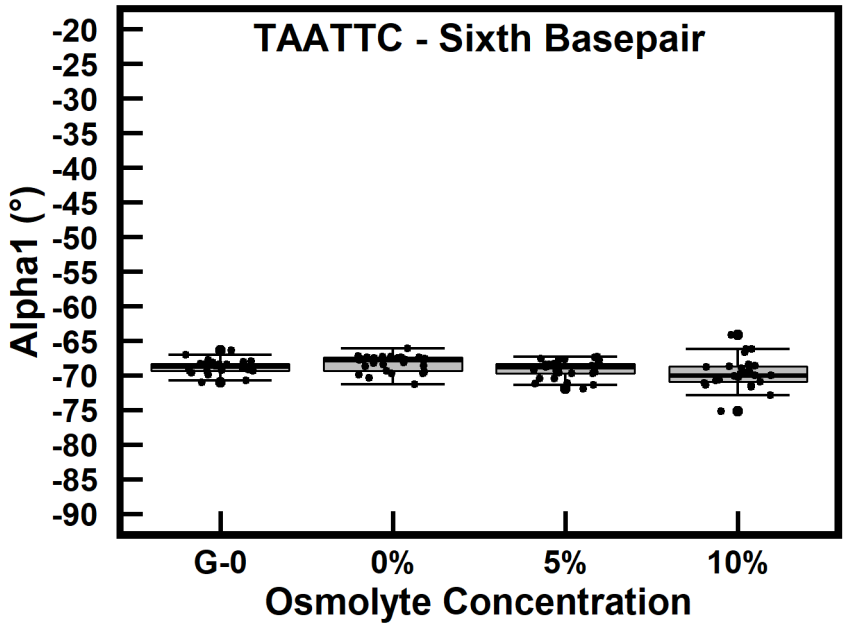
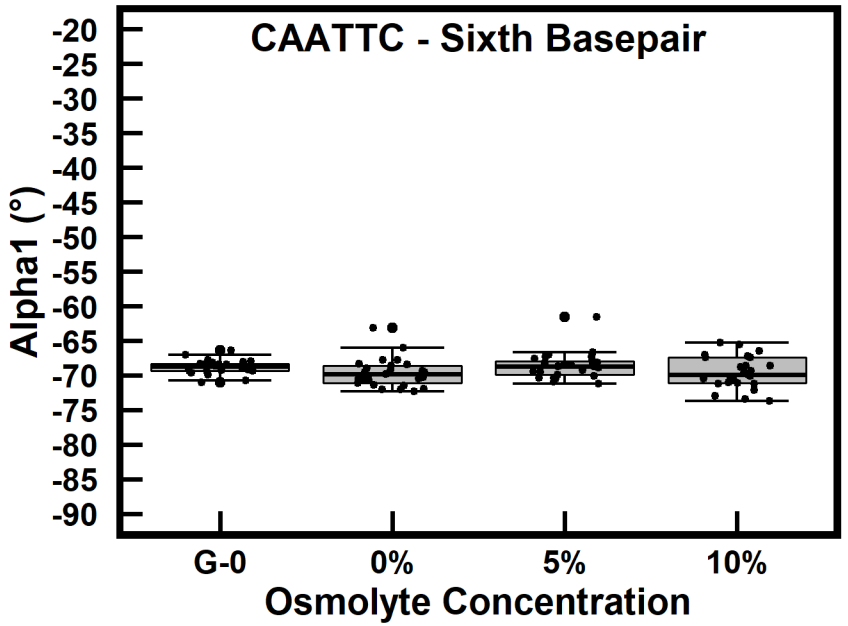
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

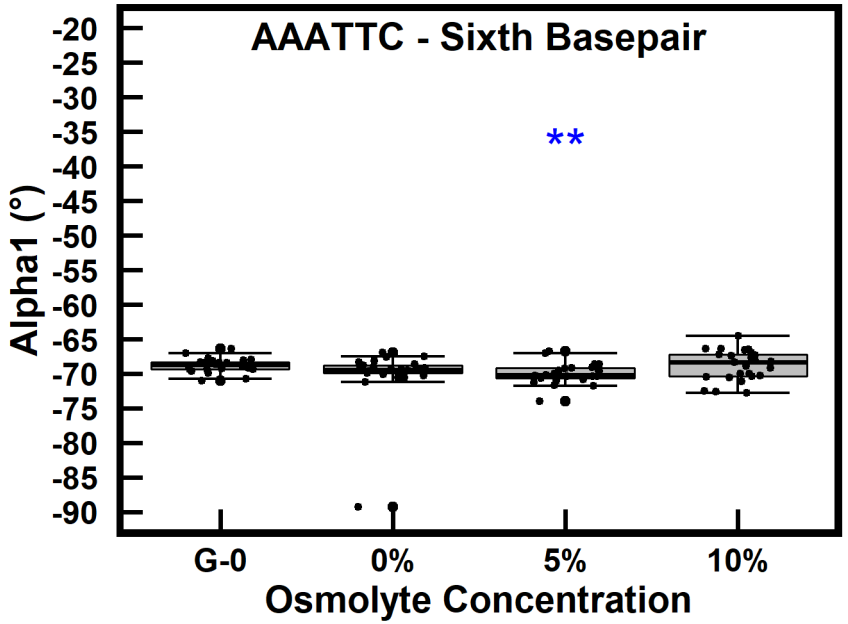

CAATTC - Fifth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
*
G-0
0%
5%
10%
Osmolyte Concentration

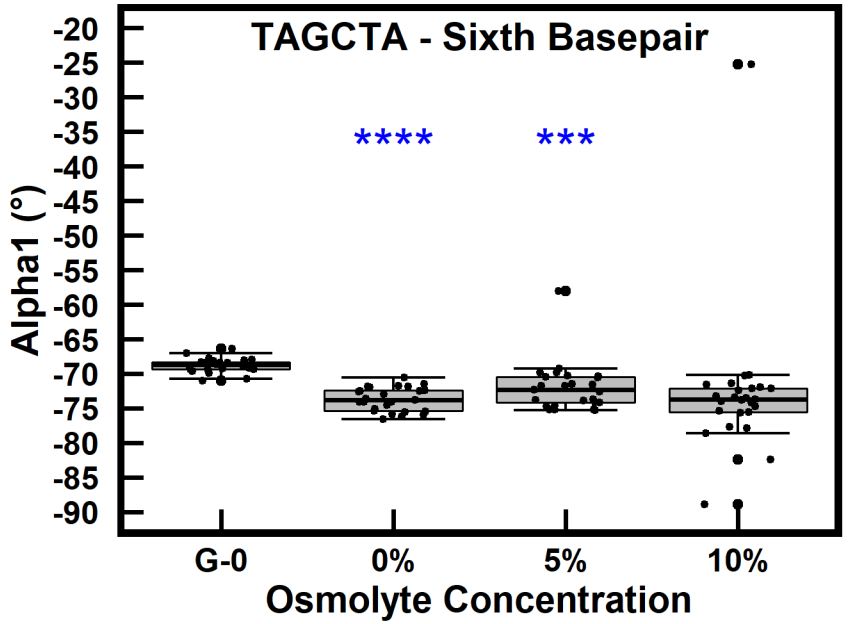

AAATTC - Fifth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration


TAGCTA - Fifth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
****
****
**
G-0
0%
5%
10%
Osmolyte Concentration

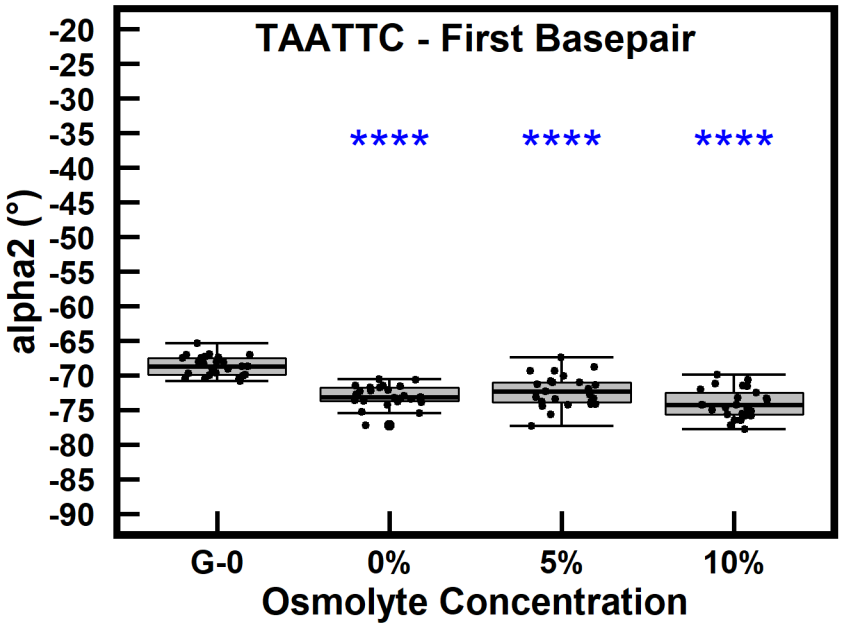

TAATTC - Sixth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

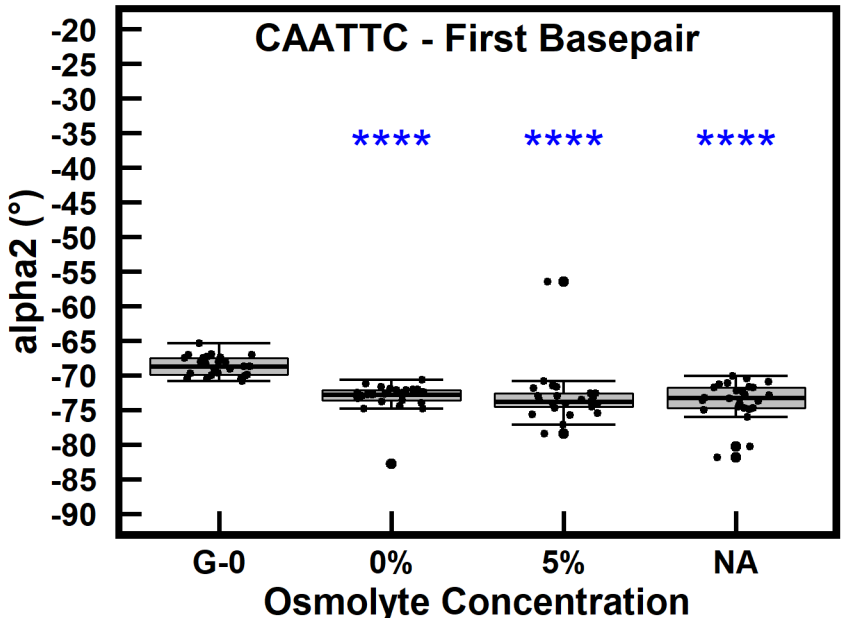

CAATTC - Sixth Basepair
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

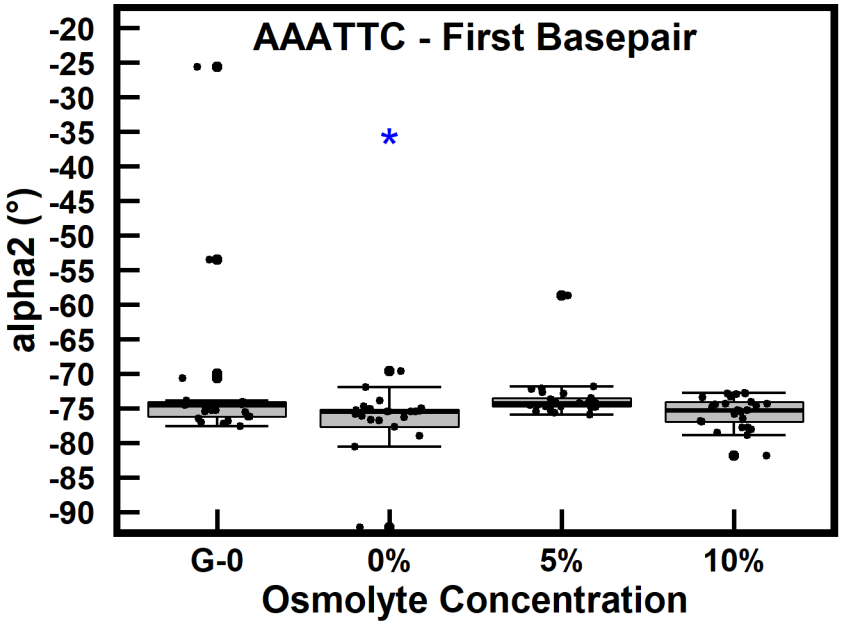

AAATTC - Sixth Basepair
**
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

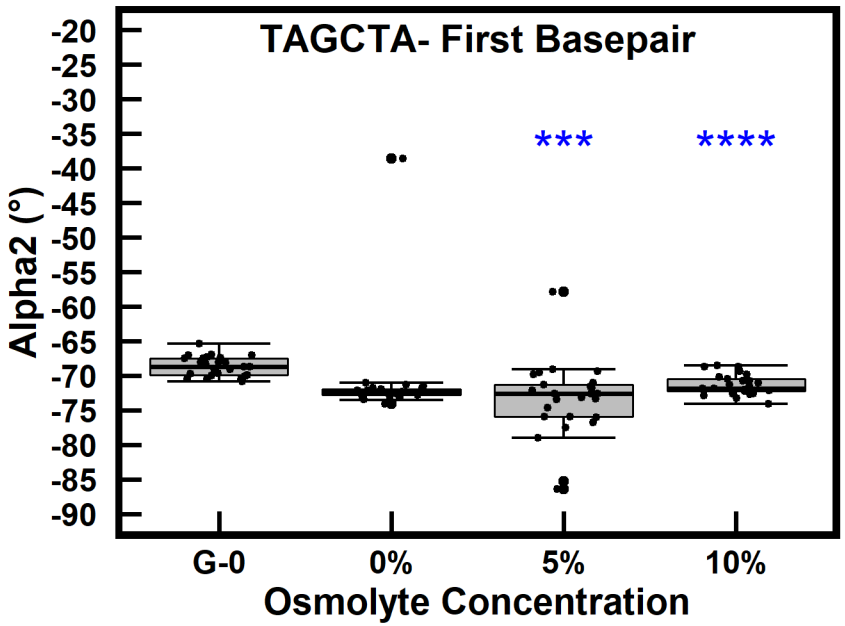

TAGCTA - Sixth Basepair
****
***
Alpha1 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration

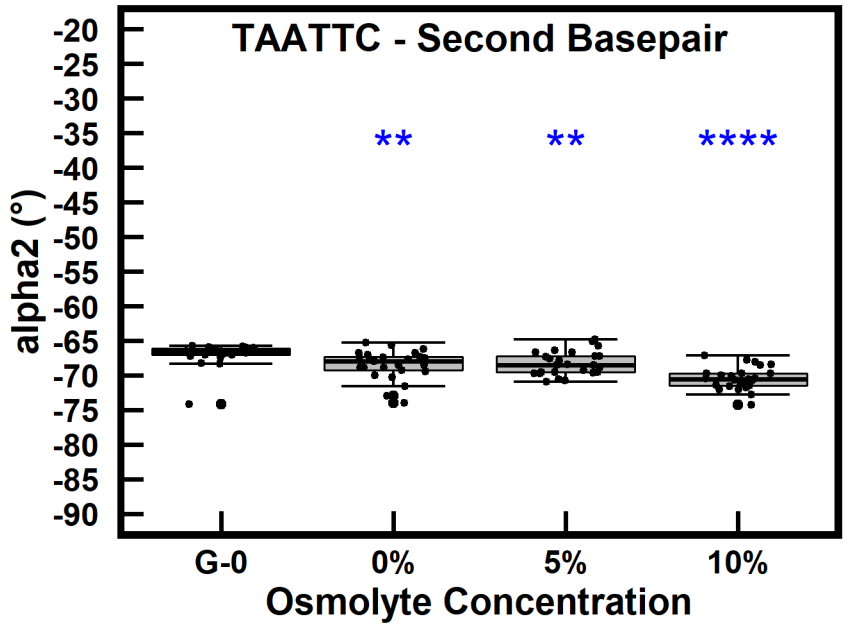
Alpha2

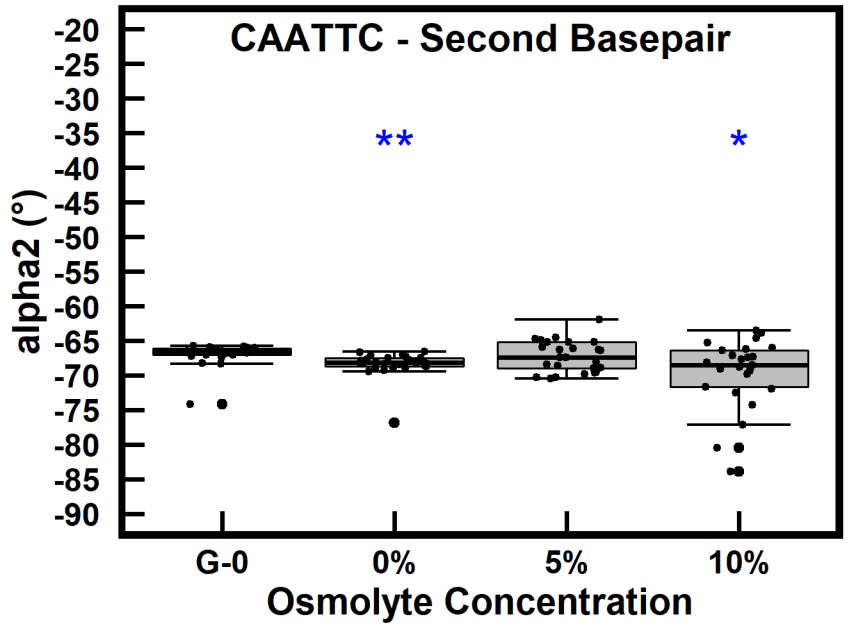

TAATTC - First Basepair
alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
****
****
****
G-0
0%
5%
10%
Osmolyte Concentration

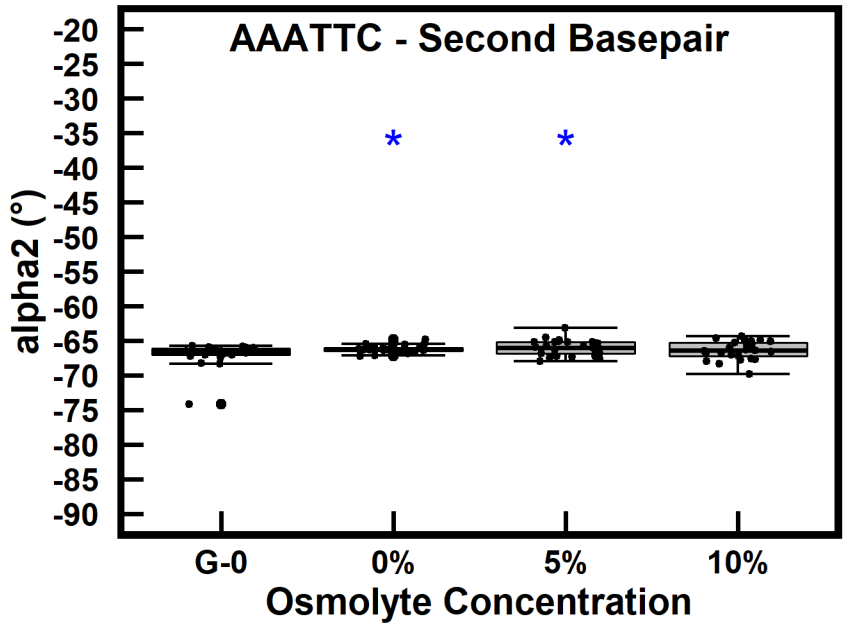

CAATTC - First Basepair
alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
****
****
****
G-0
0%
5%
NA
Osmolyte Concentration

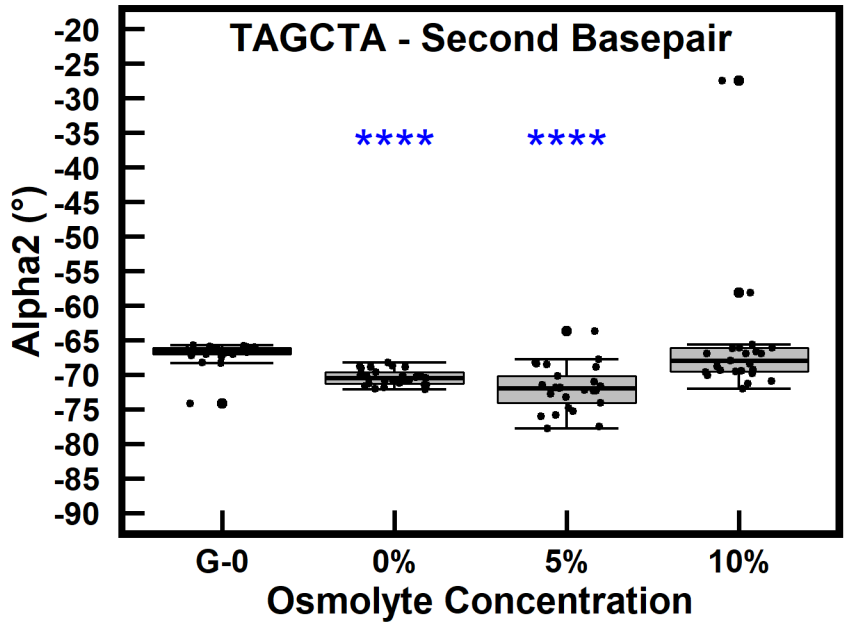

AAATTC - First Basepair
alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
*
G-0
0%
5%
10%
Osmolyte Concentration

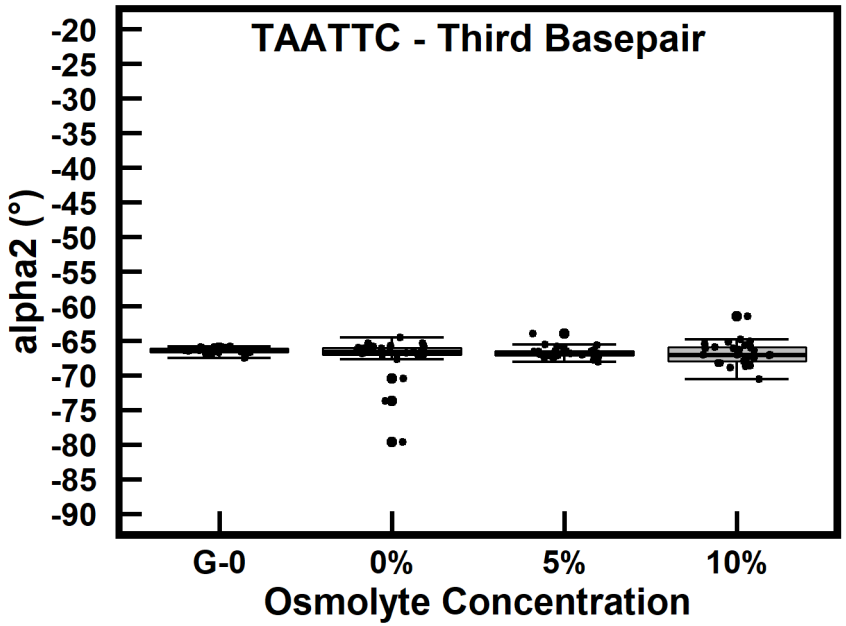

TAGCTA- First Basepair
Alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
***
****
G-0
0%
5%
10%
Osmolyte Concentration

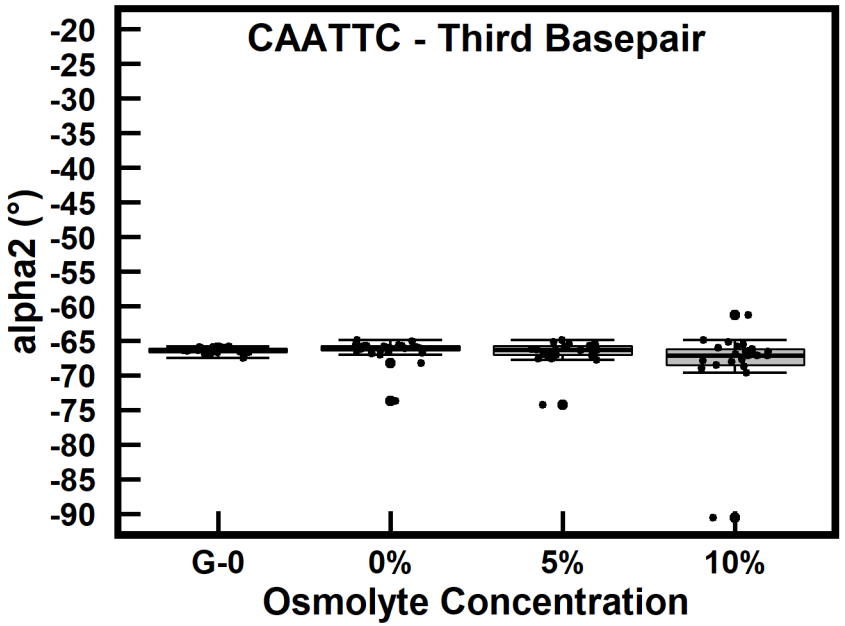

TAATTC - Second Basepair
alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
**
**
****
G-0
0%
5%
10%
Osmolyte Concentration


CAATTC - Second Basepair
alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
**
*
G-0
0%
5%
10%
Osmolyte Concentration


AAATTC - Second Basepair
alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
*
*
G-0
0%
5%
10%
Osmolyte Concentration


TAGCTA - Second Basepair
Alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
****
****
G-0
0%
5%
10%
Osmolyte Concentration


TAATTC - Third Basepair
alpha2 (°)
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
G-0
0%
5%
10%
Osmolyte Concentration


CAATTC - Third Basepair
alpha2 (°)
-20
-25
-30
-35
-40
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-70
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-80
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G-0
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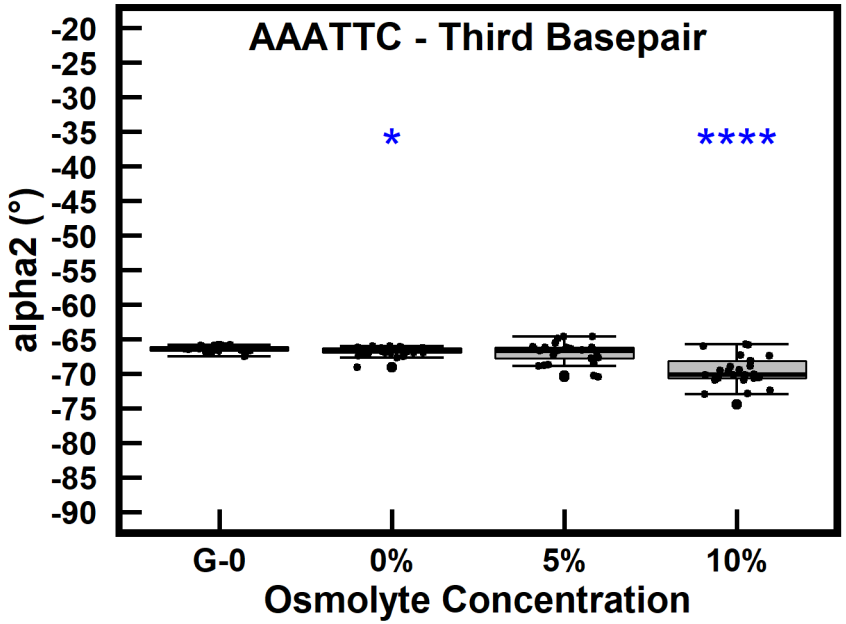
Osmolyte Concentration


AAATTC - Third Basepair
*
****
alpha2 (°)
-20
-25
-30
-35
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G-0
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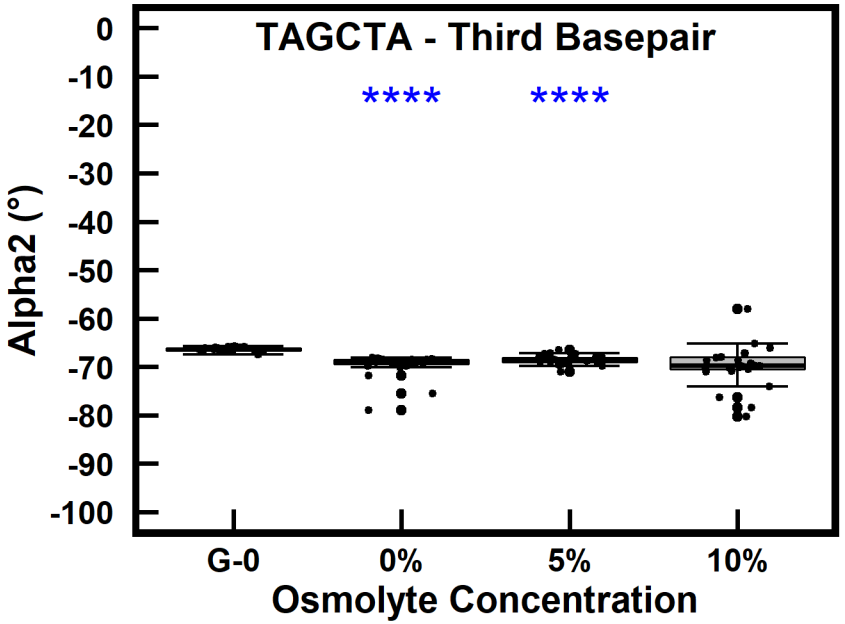
Osmolyte Concentration


TAGCTA - Third Basepair
****
****
Alpha2 (°)
0
-10
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-30
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-80
-90
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G-0
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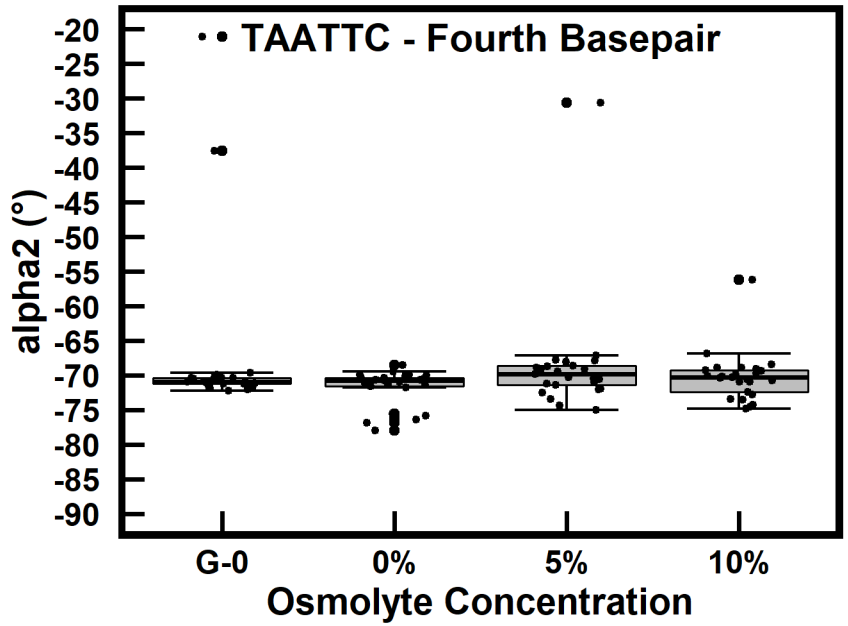
Osmolyte Concentration


TAATTC - Fourth Basepair
alpha2 (°)
-20
-25
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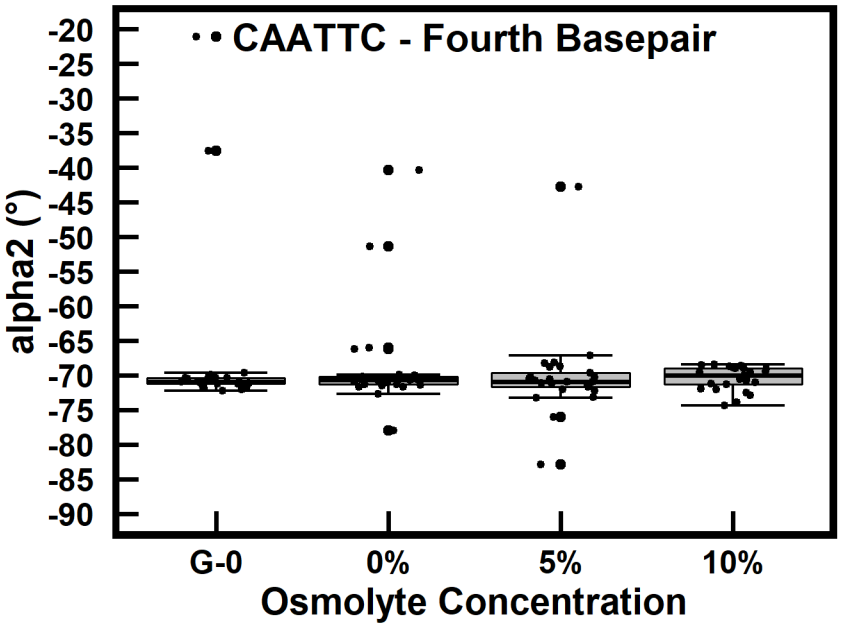
Osmolyte Concentration


CAATTC - Fourth Basepair
alpha2 (°)
-20
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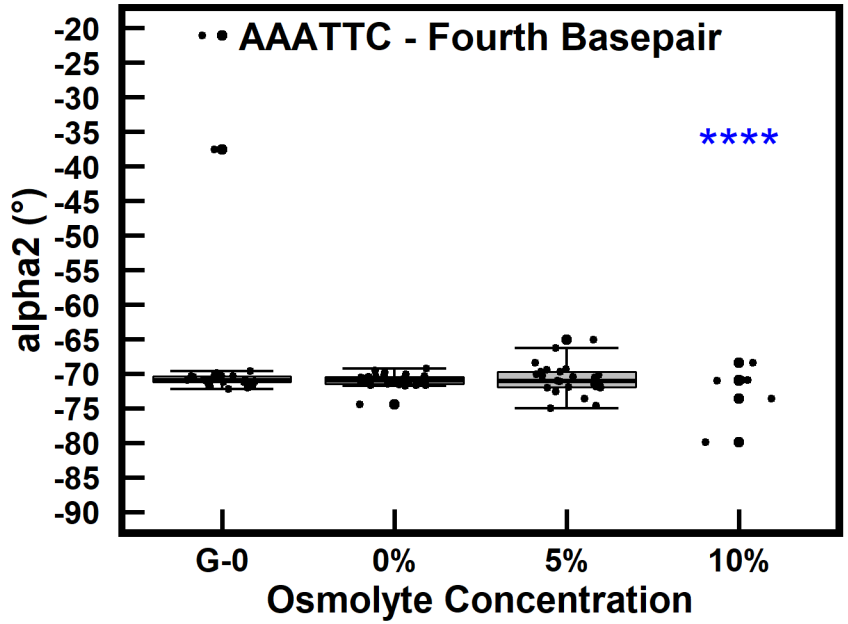
Osmolyte Concentration


AAATTC - Fourth Basepair
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alpha2 (°)
-20
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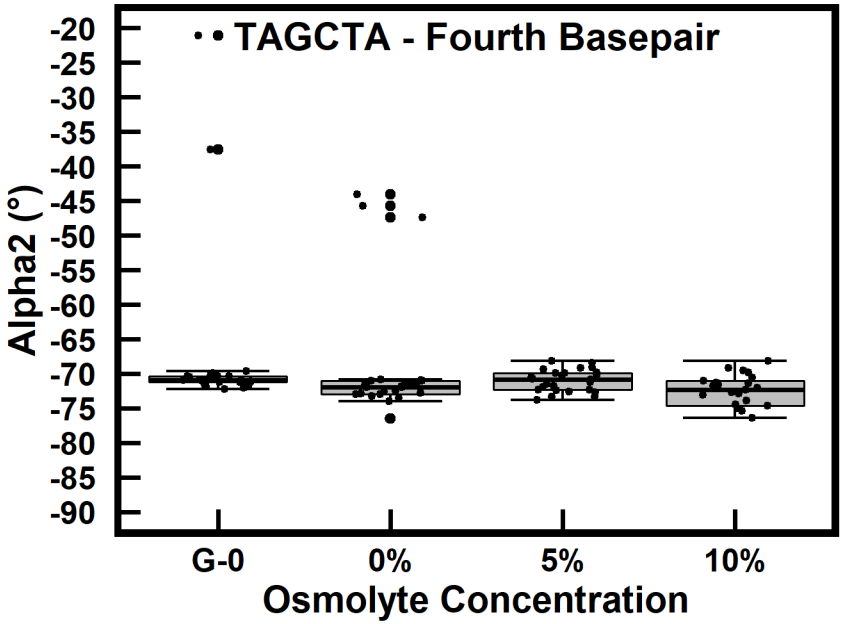
Osmolyte Concentration


TAGCTA - Fourth Basepair
Alpha2 (°)
-20
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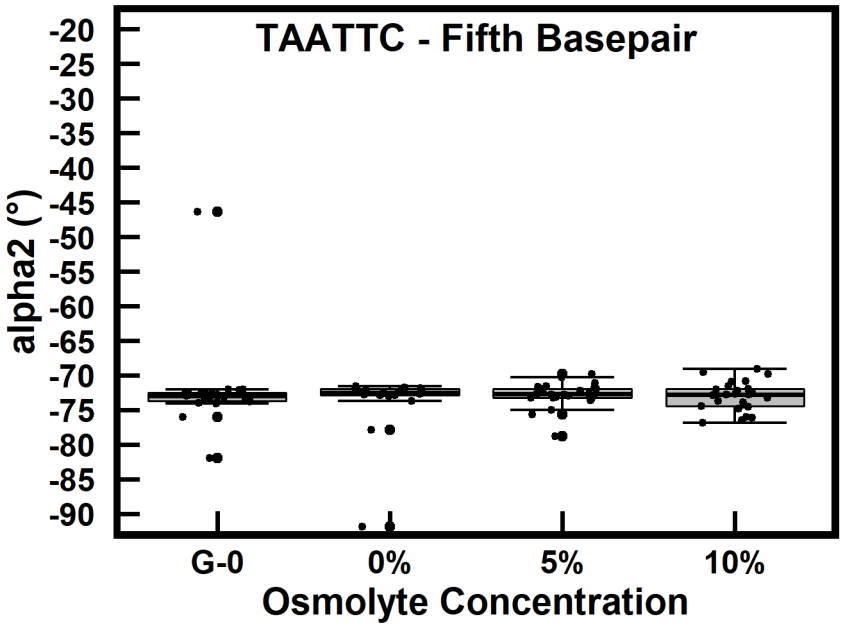
Osmolyte Concentration


TAATTC - Fifth Basepair
alpha2 (°)
-20
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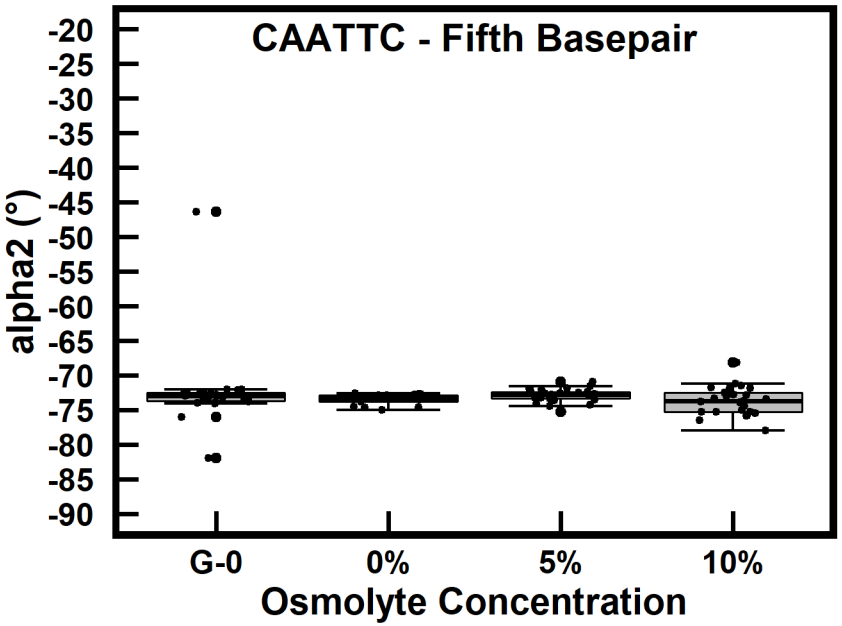
Osmolyte Concentration


CAATTC - Fifth Basepair
alpha2 (°)
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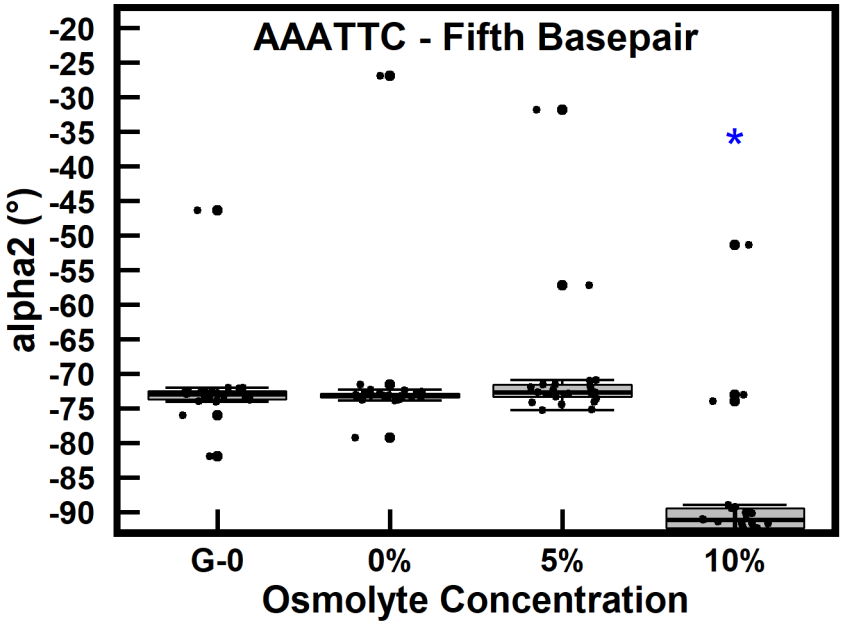
Osmolyte Concentration


AAATTC - Fifth Basepair
alpha2 (°)
-20
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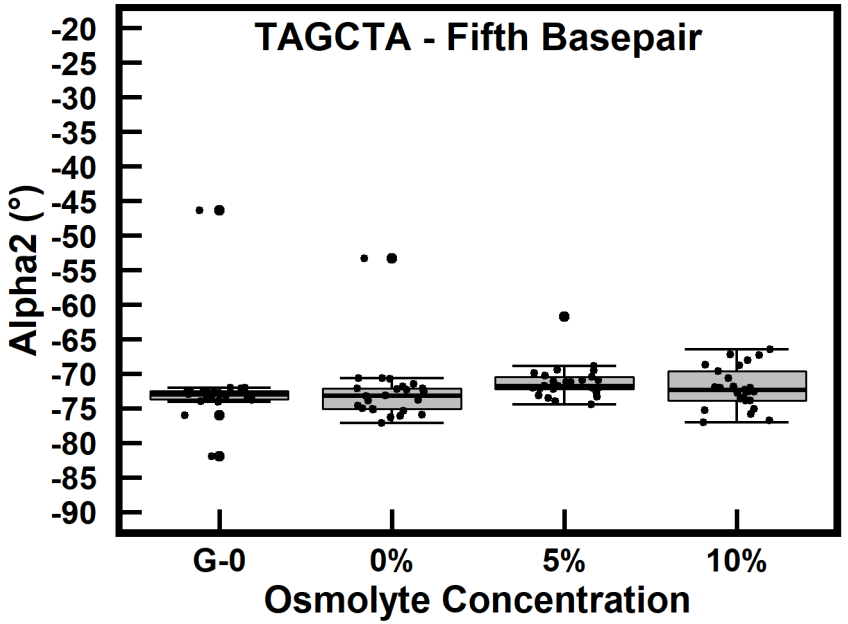
Osmolyte Concentration


TAGCTA - Fifth Basepair
Alpha2 (°)
-20
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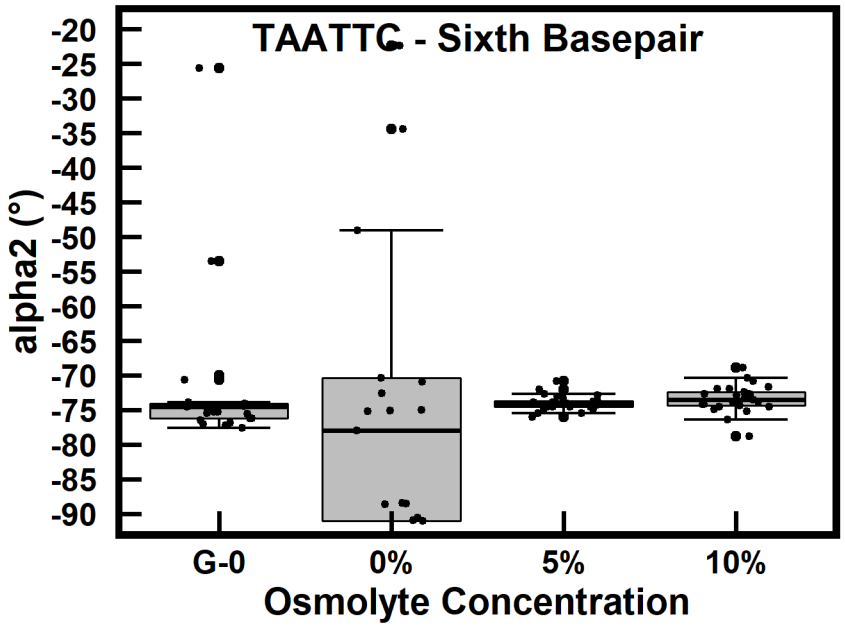
Osmolyte Concentration


TAATTC - Sixth Basepair
alpha2 (°)
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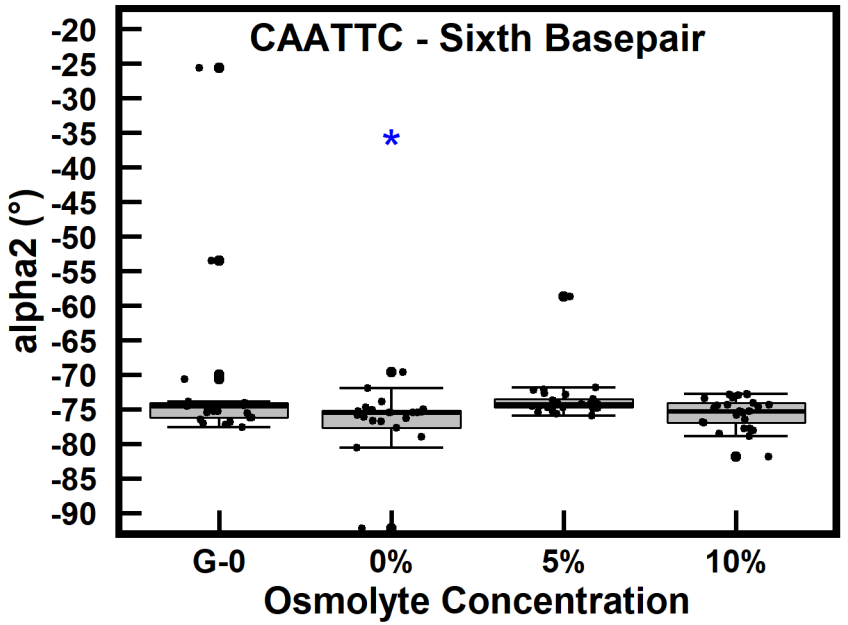
Osmolyte Concentration


CAATTC - Sixth Basepair
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alpha2 (°)
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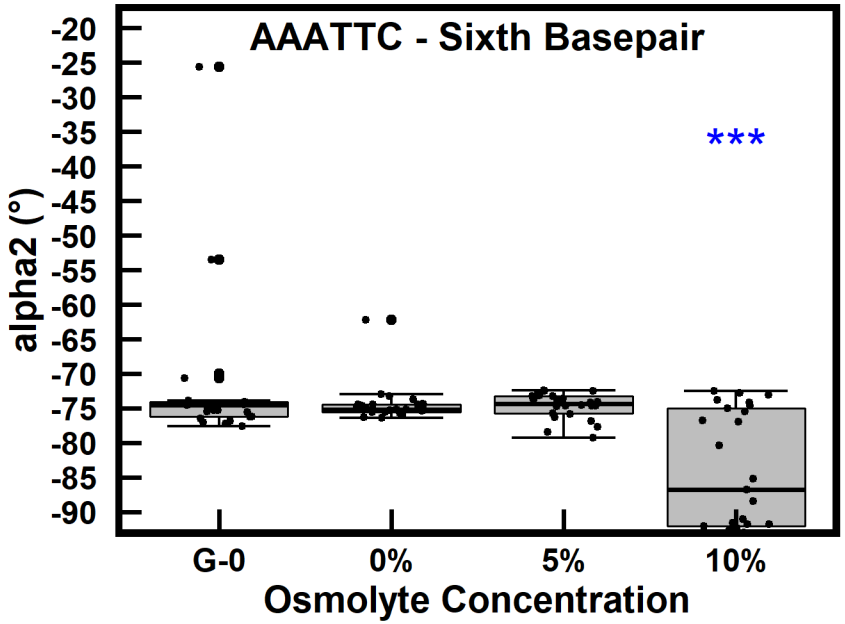
Osmolyte Concentration


AAATTC - Sixth Basepair
***
alpha2 (°)
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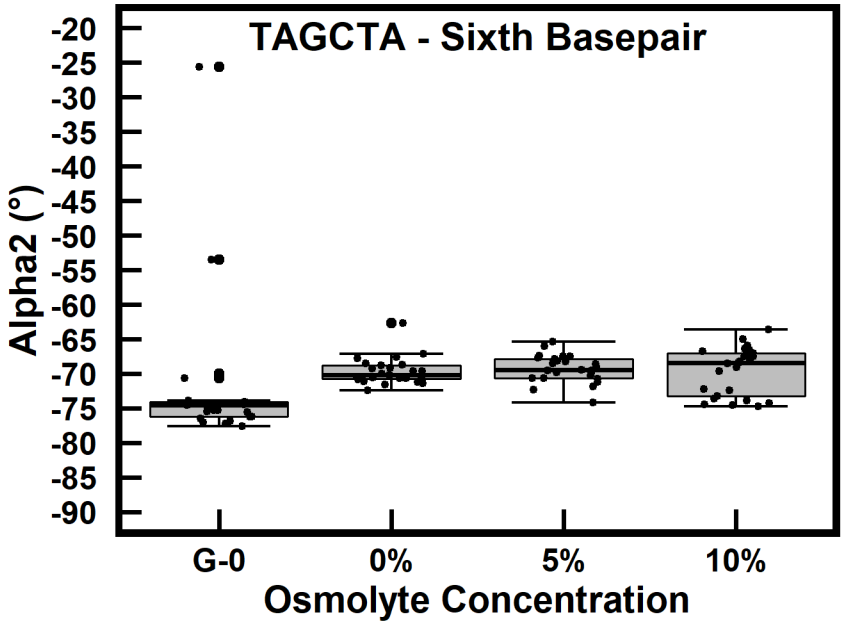
Osmolyte Concentration


TAGCTA - Sixth Basepair
Alpha2 (°)
-20
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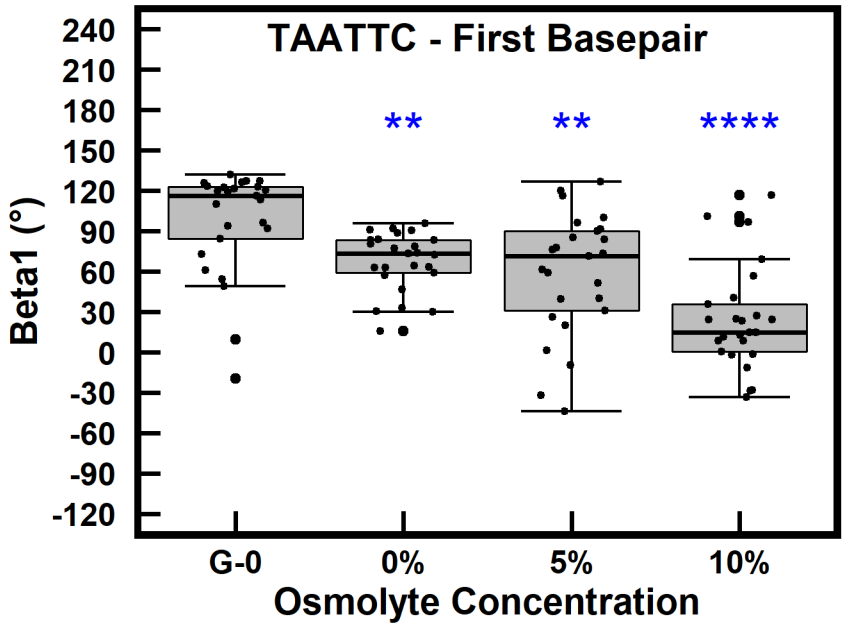
Osmolyte Concentration

Beta1


TAATTC - First Basepair
Beta1 (°)
240
210
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150
120
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-60
-90
-120
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G-0
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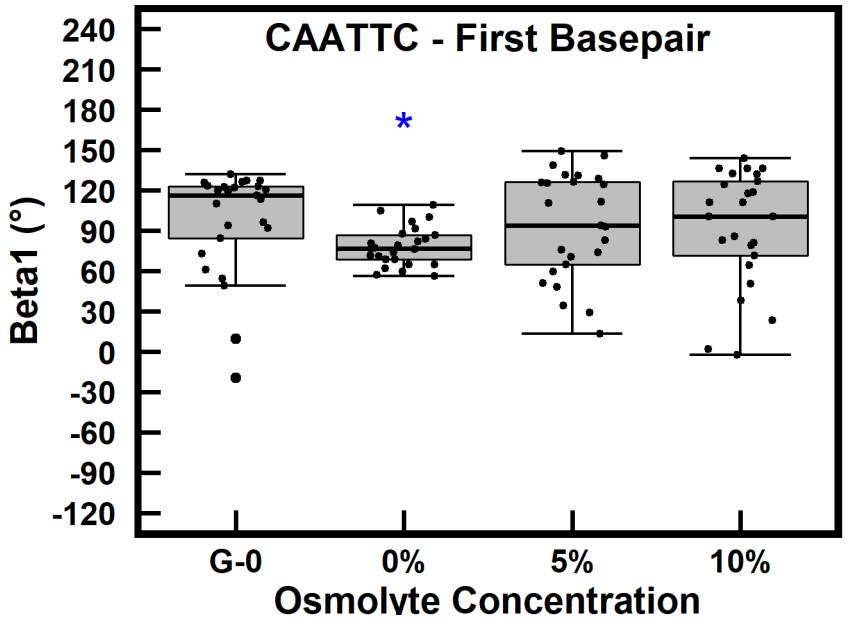
Osmolyte Concentration


CAATTC - First Basepair
Beta1 (°)
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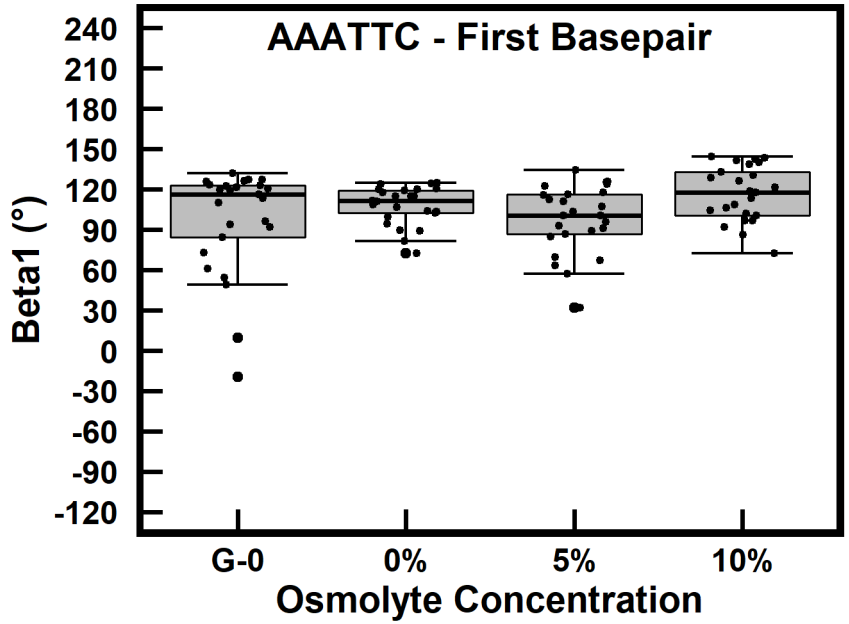
Osmolyte Concentration


AAATTC - First Basepair
Beta1 (°)
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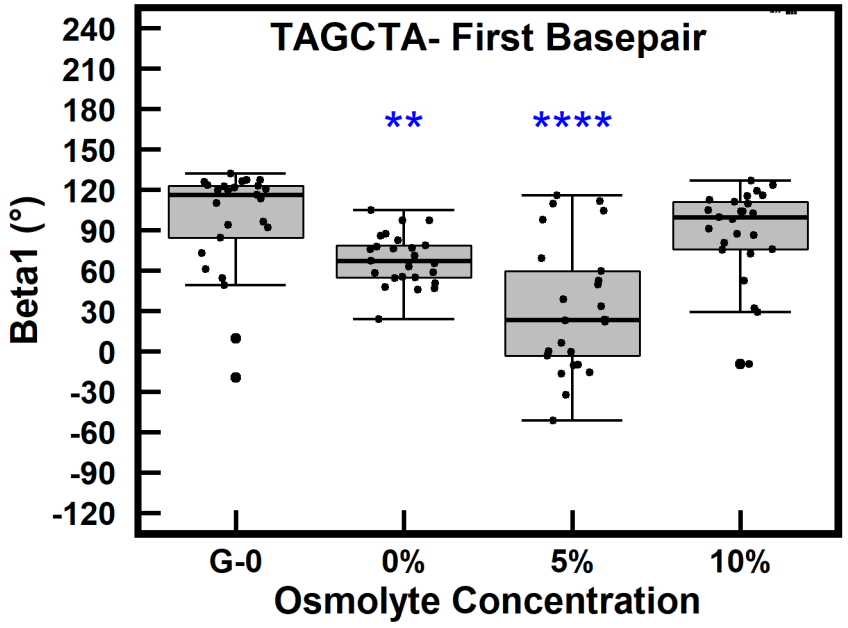
Osmolyte Concentration


TAGCTA- First Basepair
Beta1 (°)
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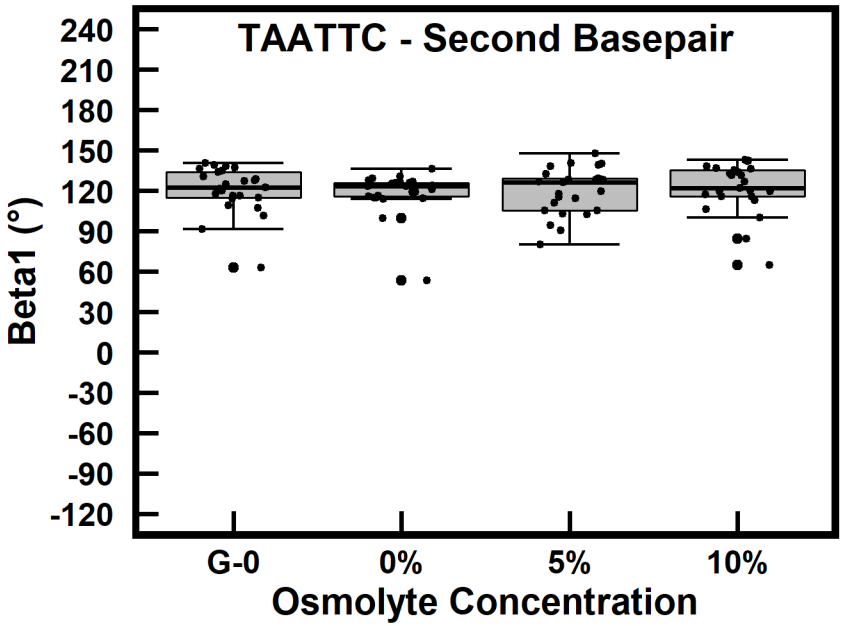
Osmolyte Concentration


TAATTC - Second Basepair
Beta1 (°)
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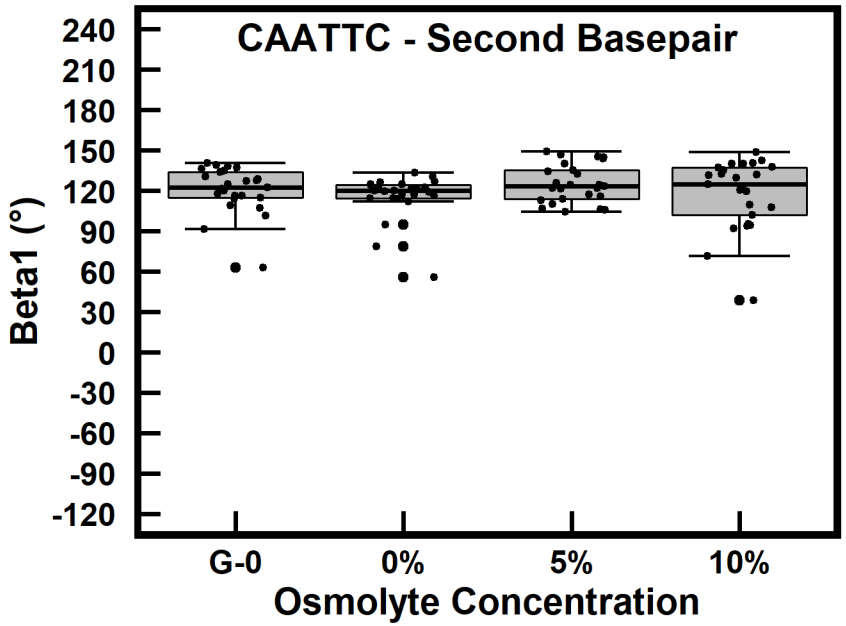
Osmolyte Concentration


CAATTC - Second Basepair
Beta1 (°)
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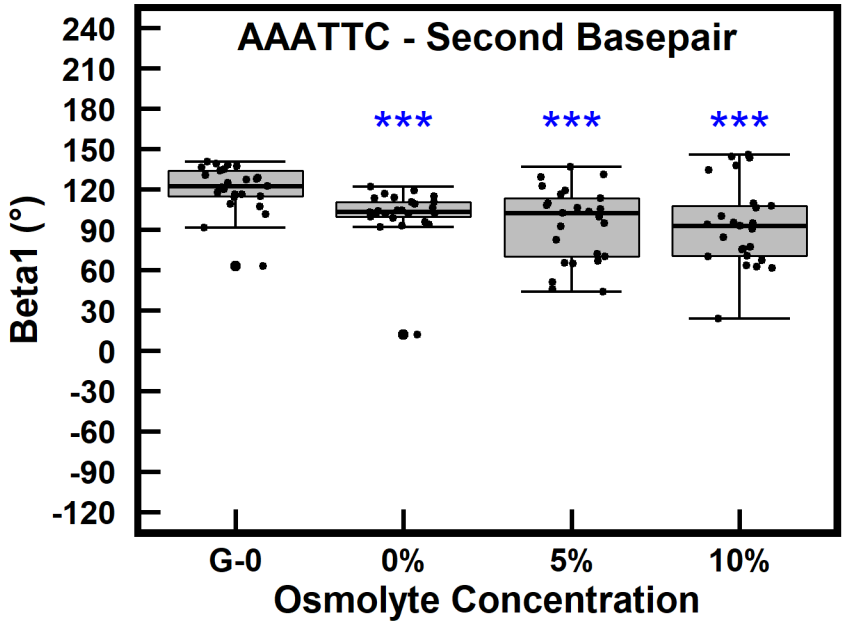
Osmolyte Concentration


AAATTC - Second Basepair
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Beta1 (°)
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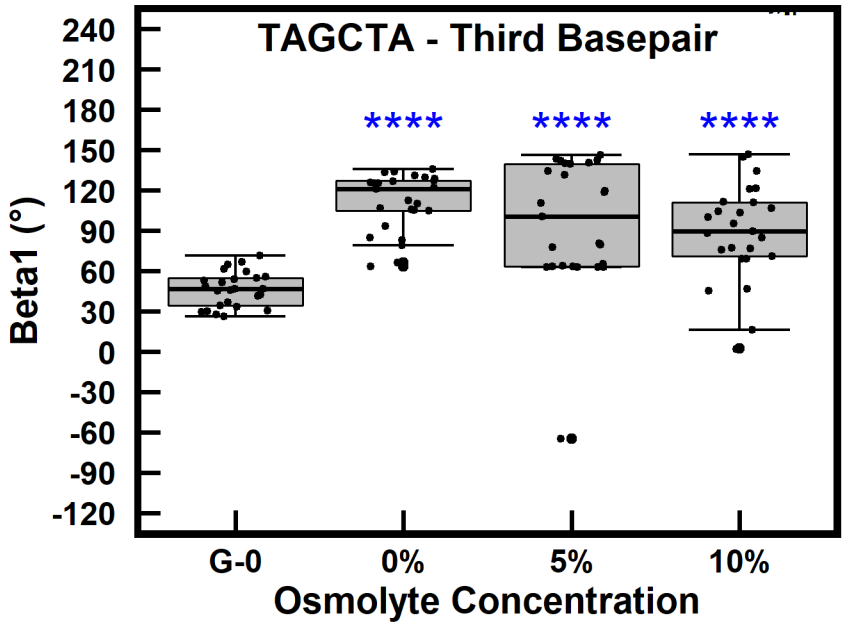
Osmolyte Concentration


TAGCTA - Third Basepair
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Beta1 (°)
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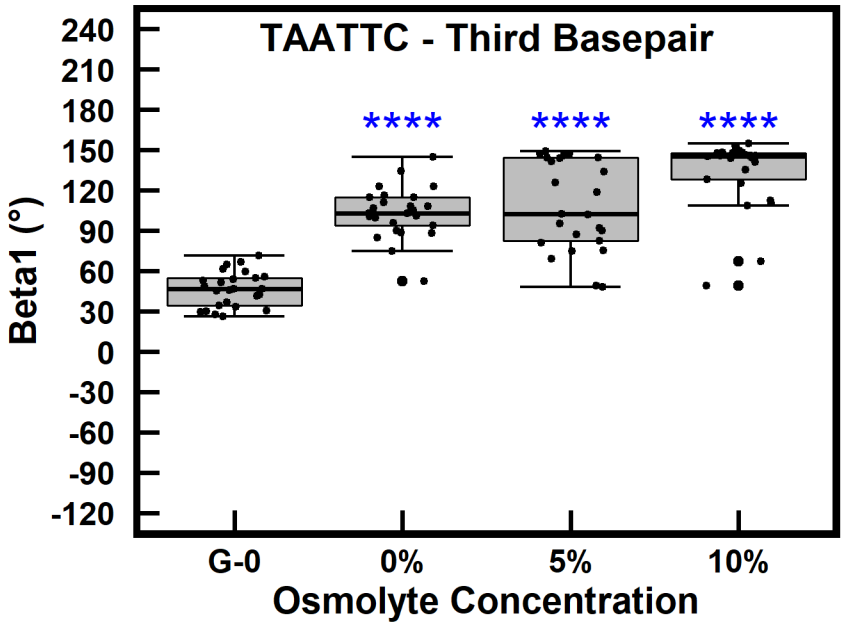
Osmolyte Concentration


TAATTC - Third Basepair
Beta1 (°)
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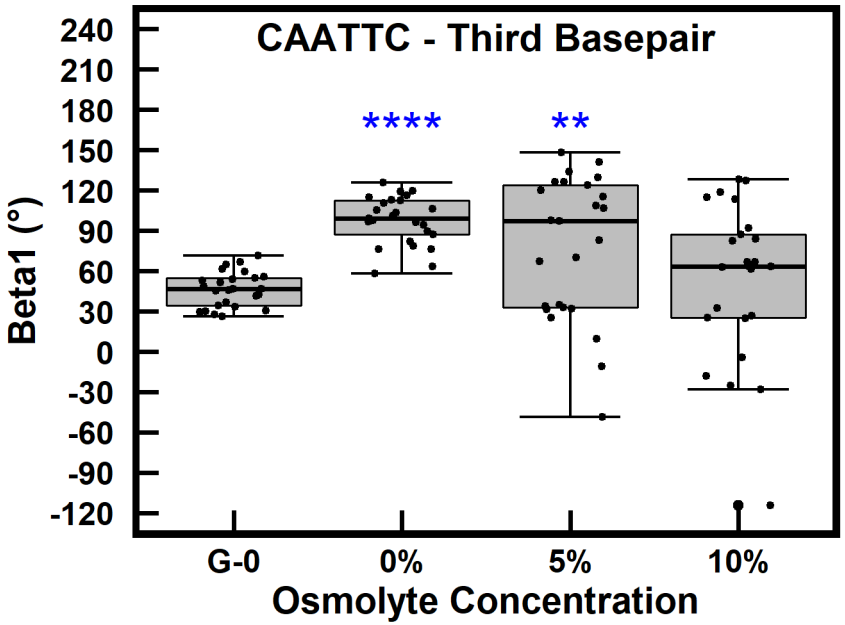
Osmolyte Concentration


CAATTC - Third Basepair
Beta1 (°)
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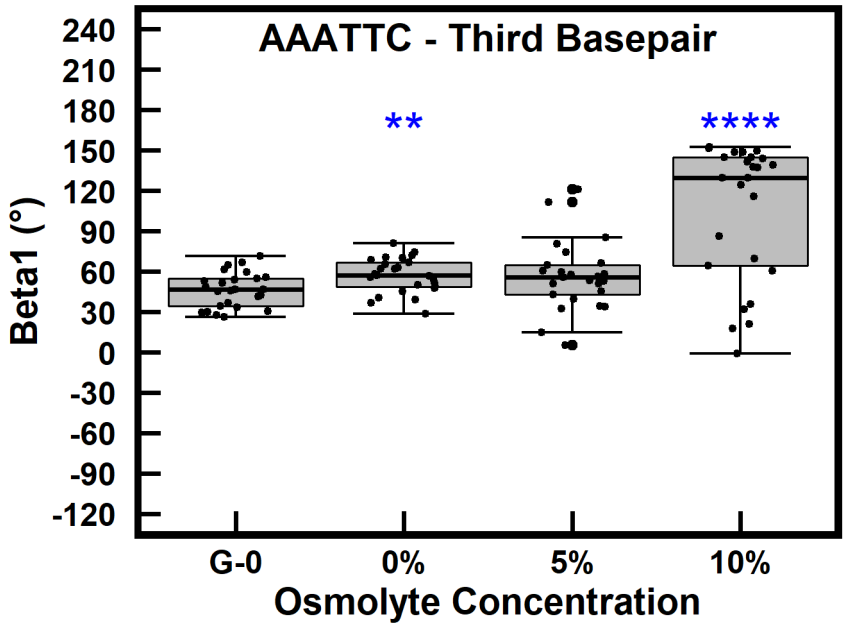
Osmolyte Concentration


AAATTC - Third Basepair
Beta1 (°)
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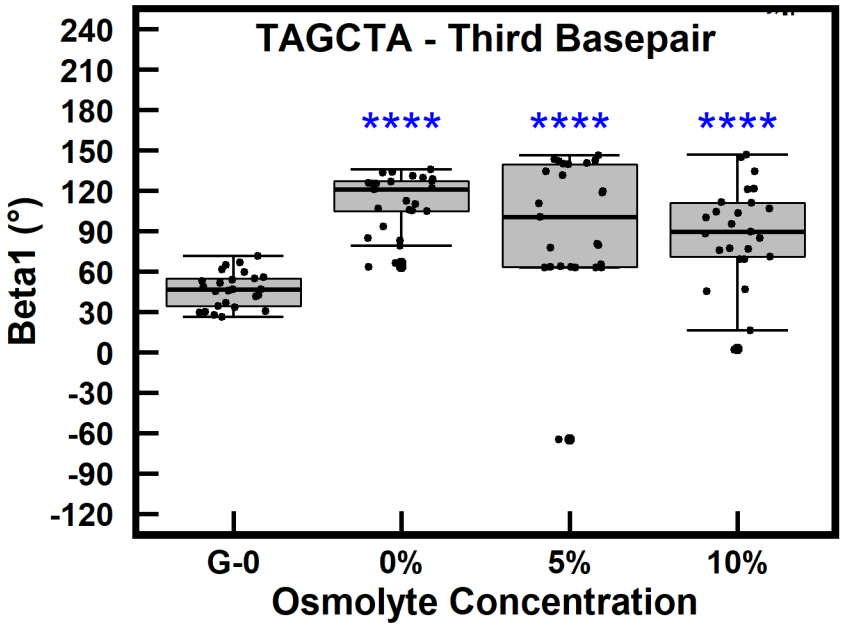
Osmolyte Concentration


TAGCTA - Third Basepair
Beta1 (°)
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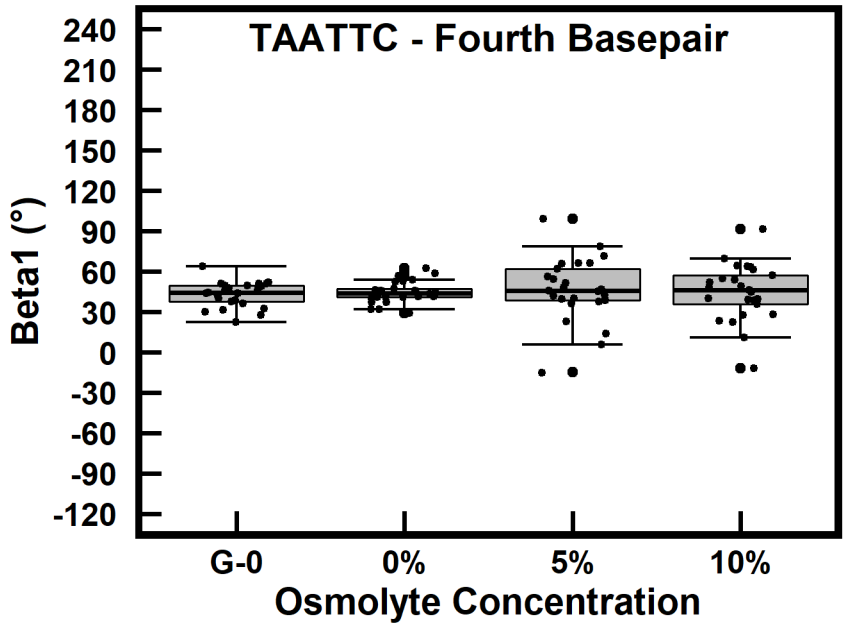
Osmolyte Concentration


TAATTC - Fourth Basepair
Beta1 (°)
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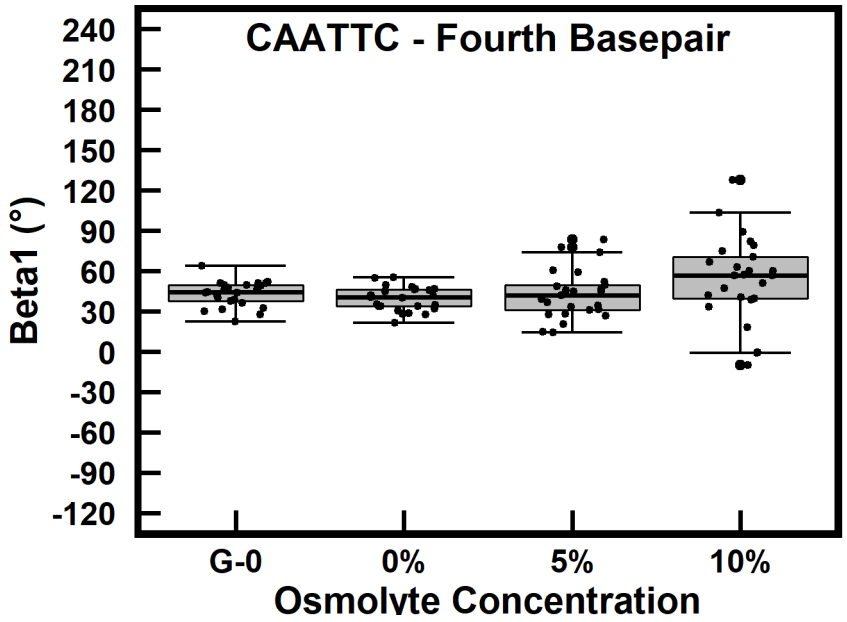
Osmolyte Concentration


CAATTC - Fourth Basepair
Beta1 (°)
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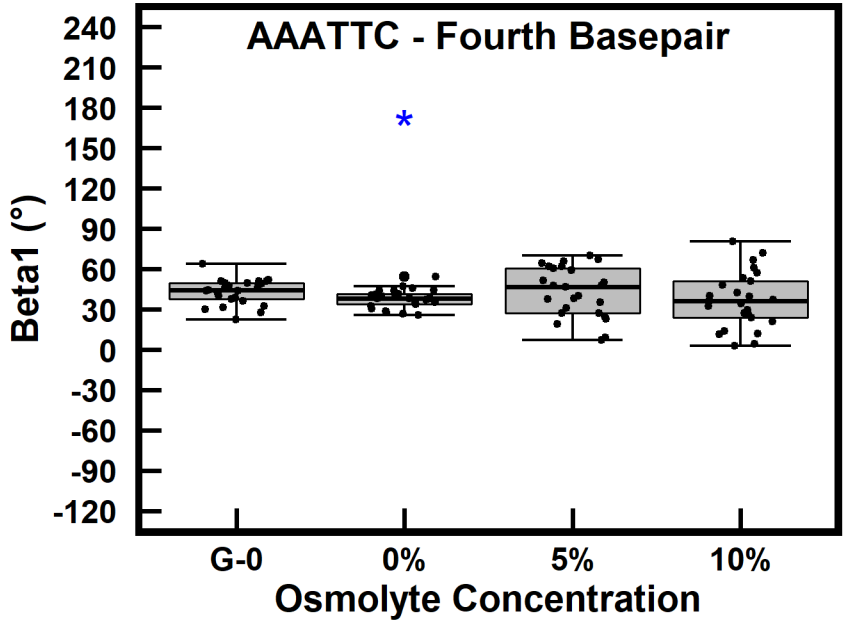
Osmolyte Concentration


AAATTC - Fourth Basepair
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Beta1 (°)
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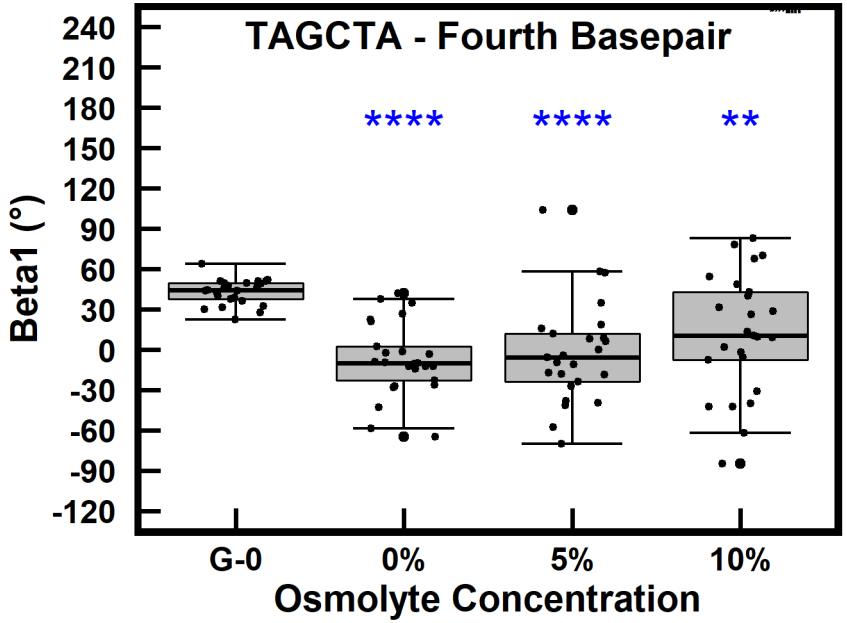
Osmolyte Concentration


TAGCTA - Fourth Basepair
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Beta1 (°)
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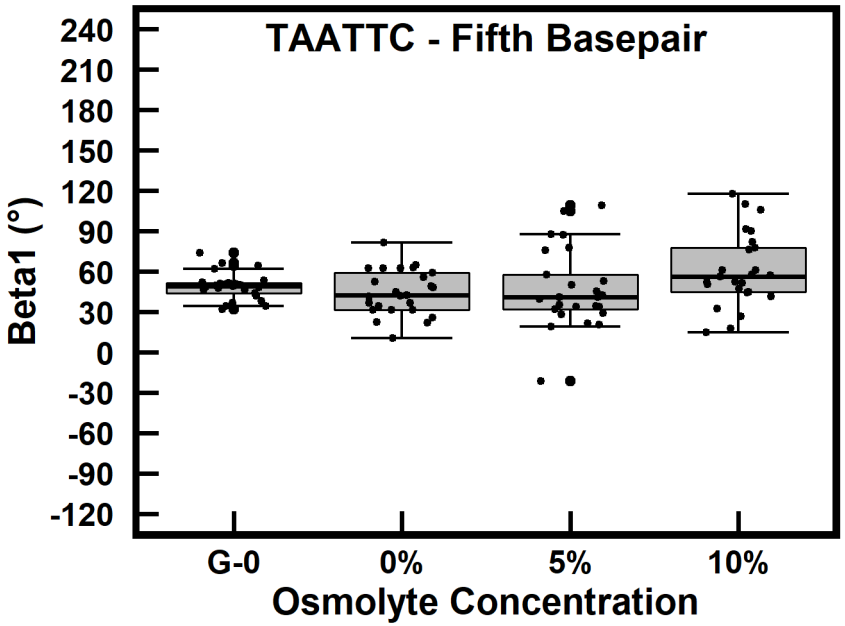
Osmolyte Concentration


TAATTC - Fifth Basepair
Beta1 (°)
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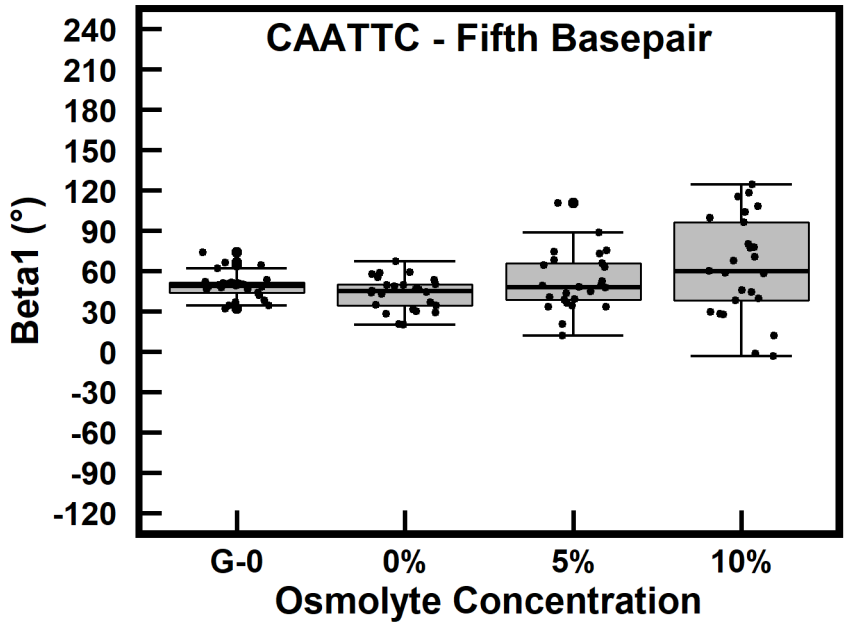
Osmolyte Concentration


CAATTC - Fifth Basepair
Beta1 (°)
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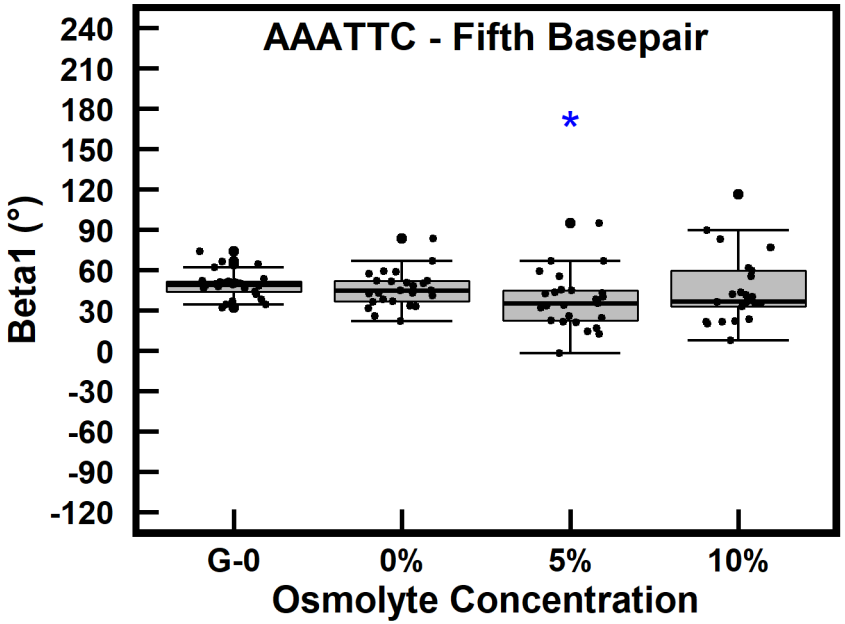
Osmolyte Concentration


AAATTC - Fifth Basepair
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Beta1 (°)
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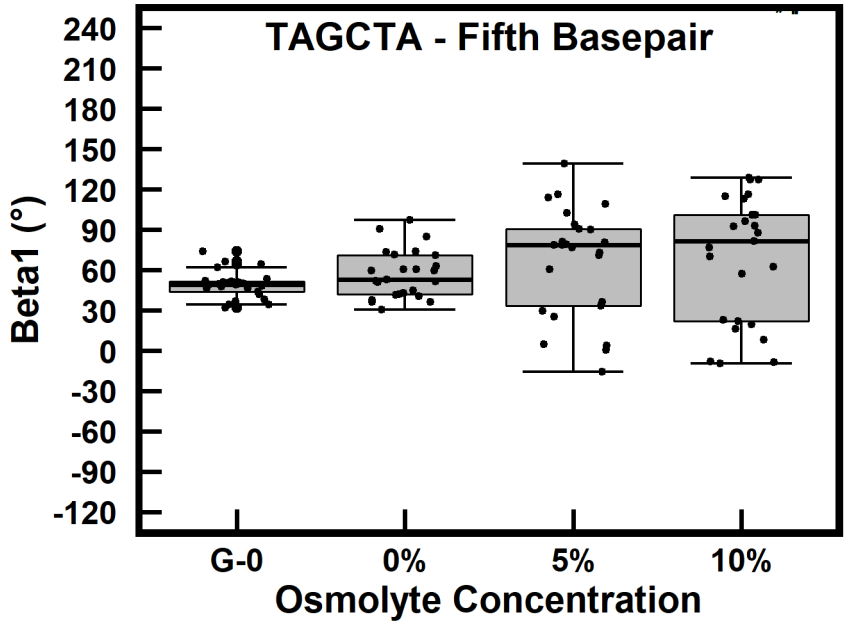
Osmolyte Concentration


TAGCTA - Fifth Basepair
Beta1 (°)
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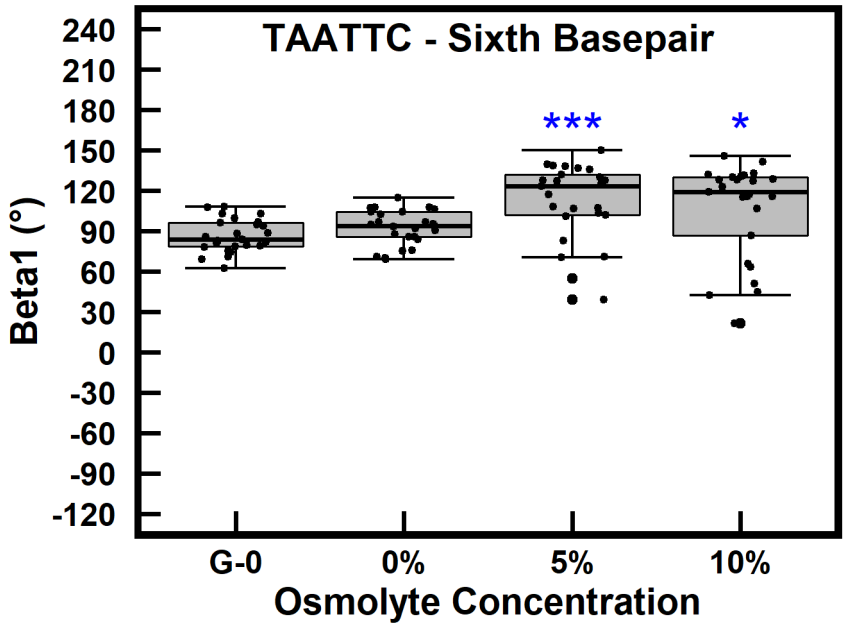
Osmolyte Concentration


TAATTC - Sixth Basepair
Beta1 (°)
240
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G-0
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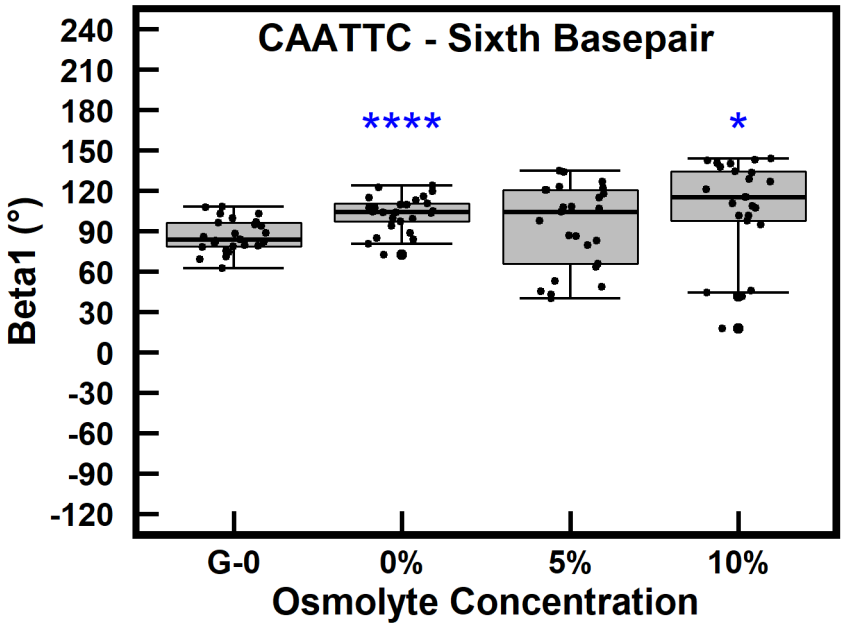
Osmolyte Concentration


CAATTC - Sixth Basepair
Beta1 (°)
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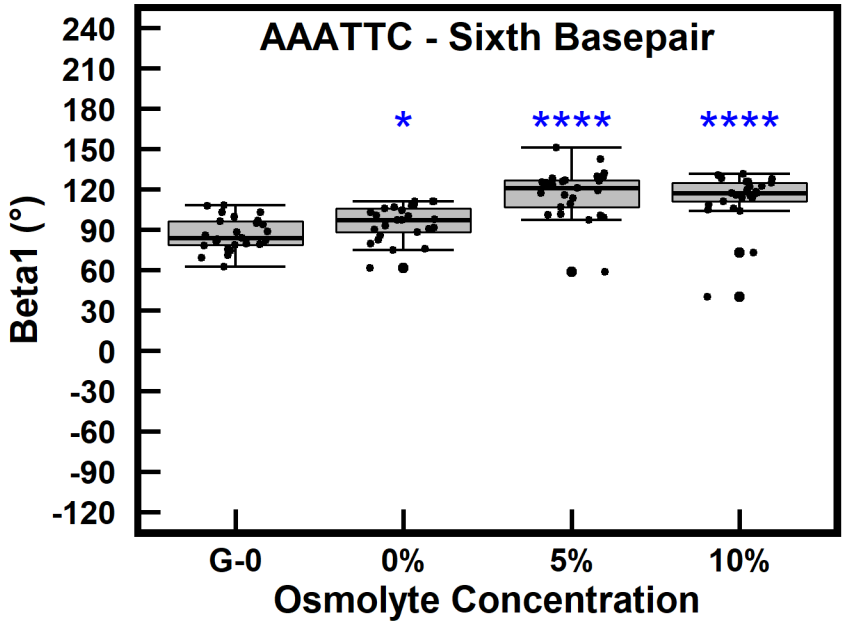
Osmolyte Concentration


AAATTC - Sixth Basepair
Beta1 (°)
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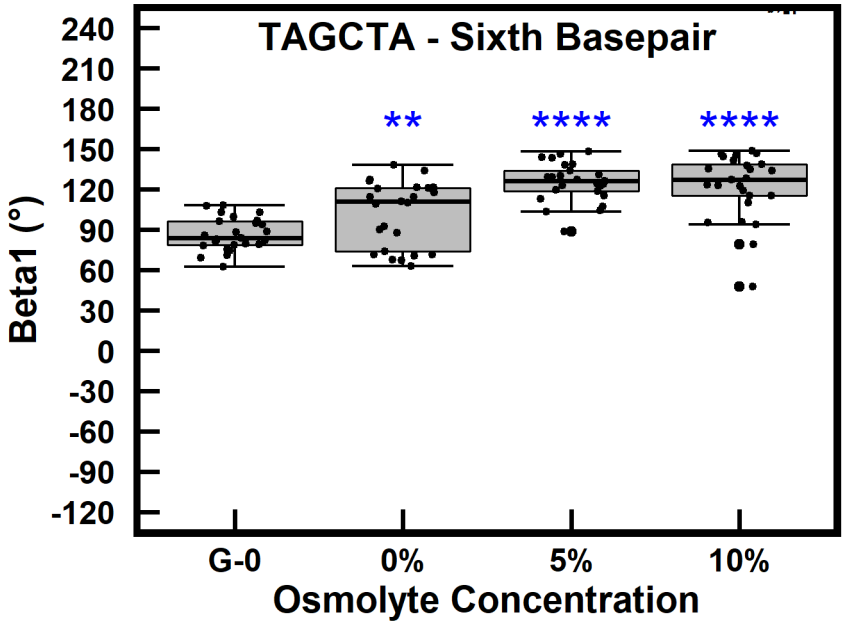
Osmolyte Concentration


TAGCTA - Sixth Basepair
Beta1 (°)
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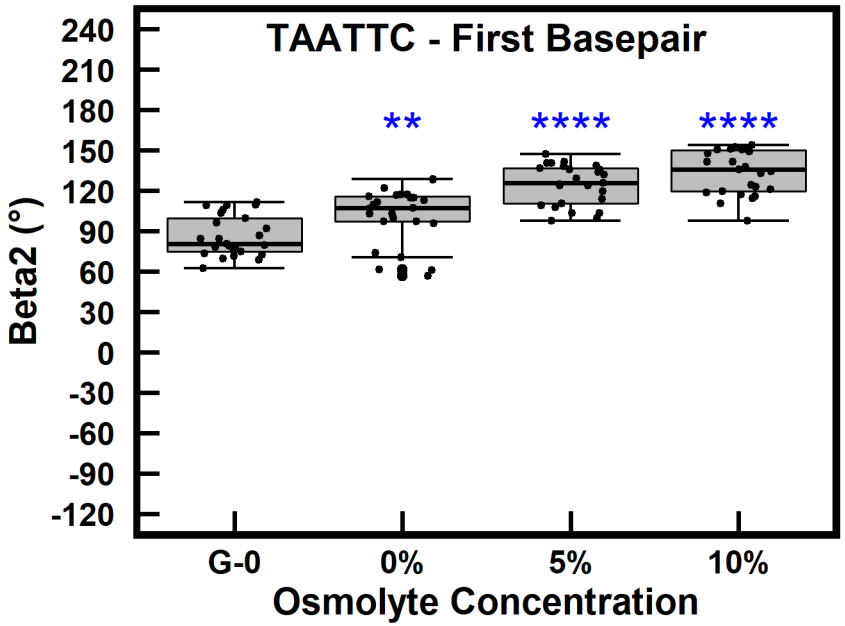
Osmolyte Concentration

Beta2


TAATTC - First Basepair
Beta2 (°)
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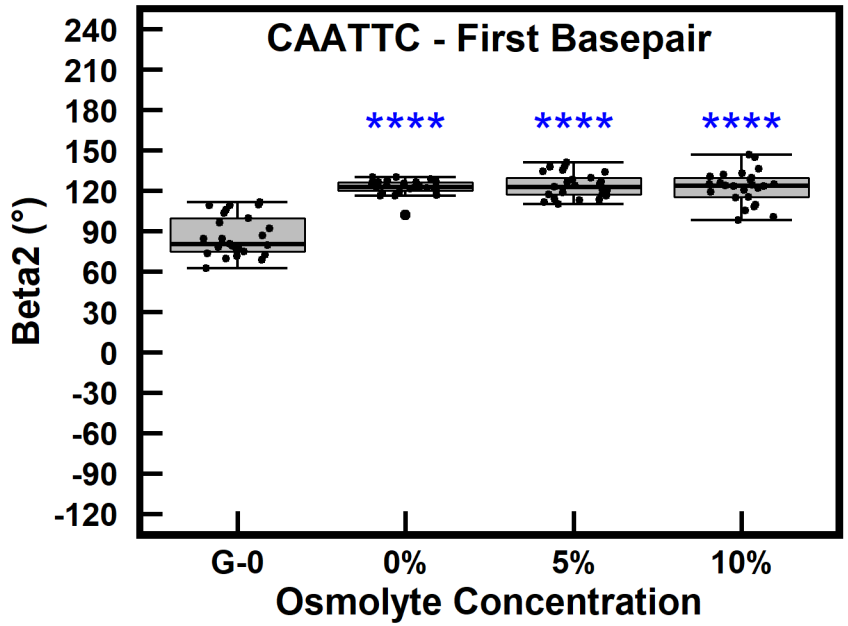
Osmolyte Concentration


CAATTC - First Basepair
Beta2 (°)
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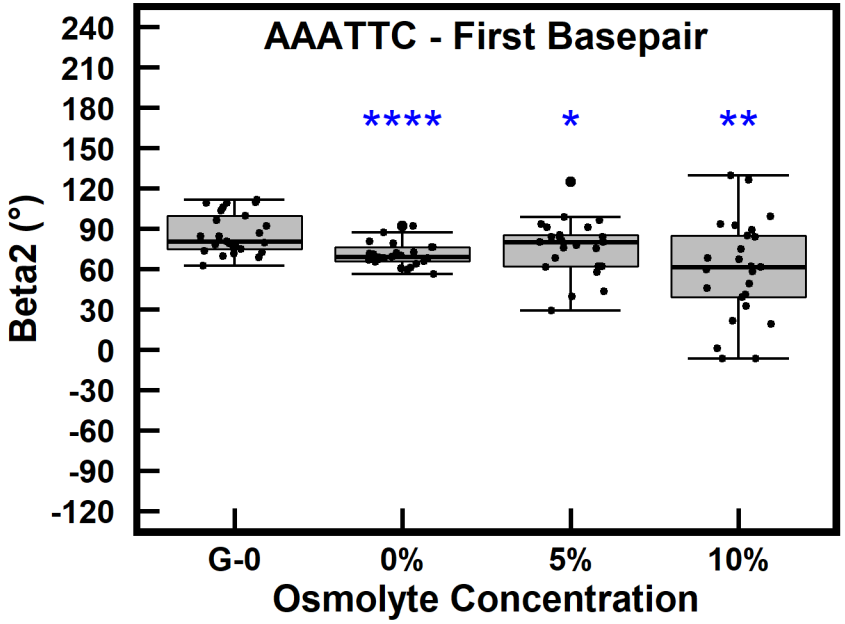
Osmolyte Concentration


AAATTC - First Basepair
Beta2 (°)
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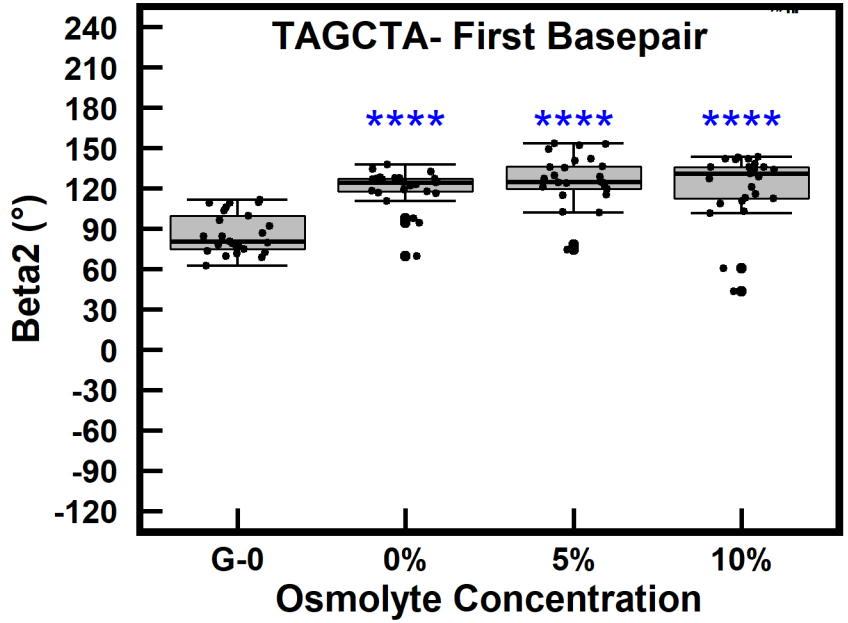
Osmolyte Concentration


TAGCTA- First Basepair
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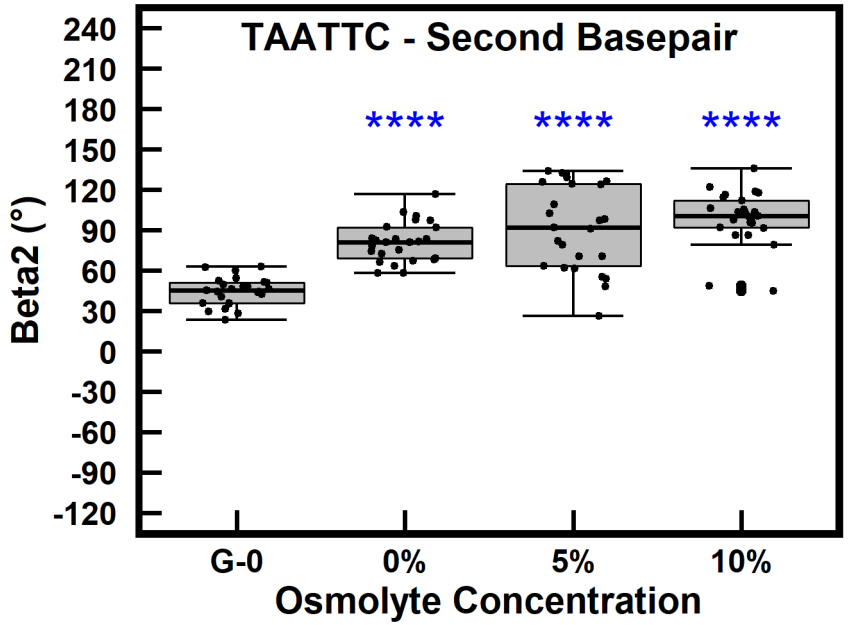
Osmolyte Concentration


TAATTC - Second Basepair
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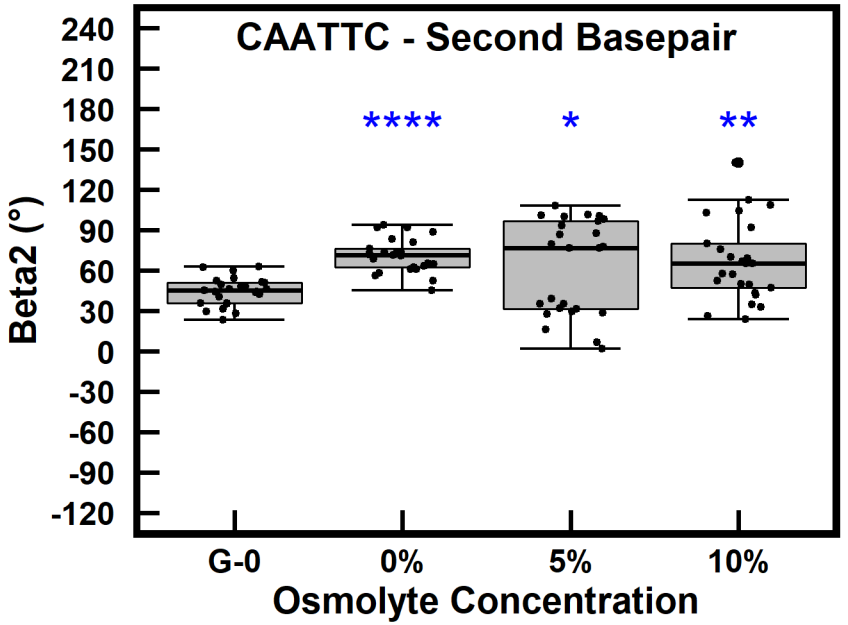
CAATTC - Second Basepair
Beta2 (°)
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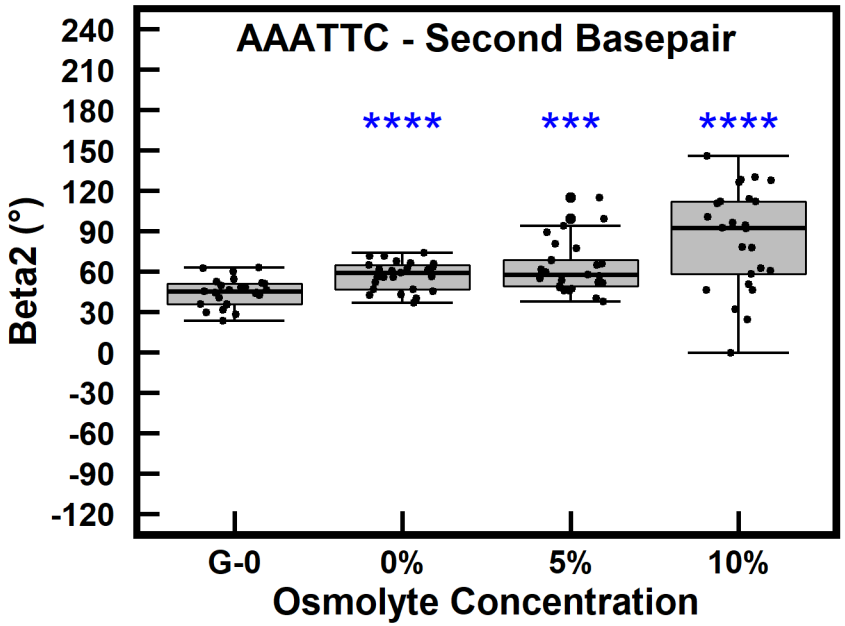
Osmolyte Concentration


AAATTC - Second Basepair
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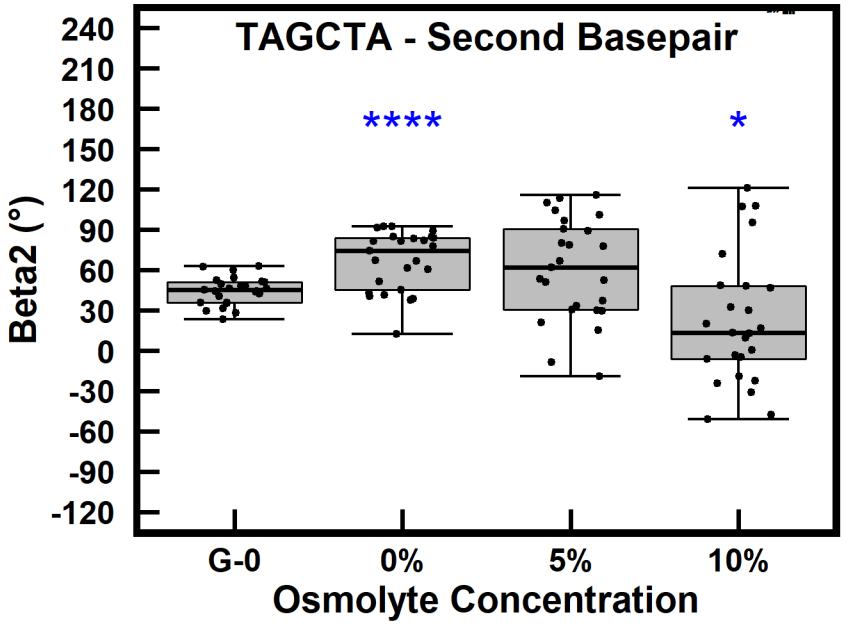
TAGCTA - Second Basepair
Beta2 (°)
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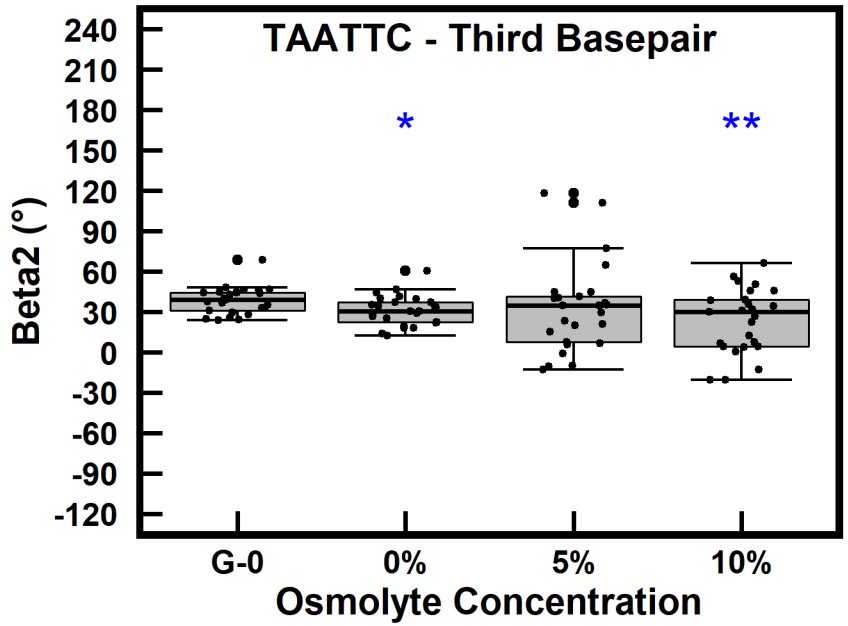
TAATTC - Third Basepair
Beta2 (°)
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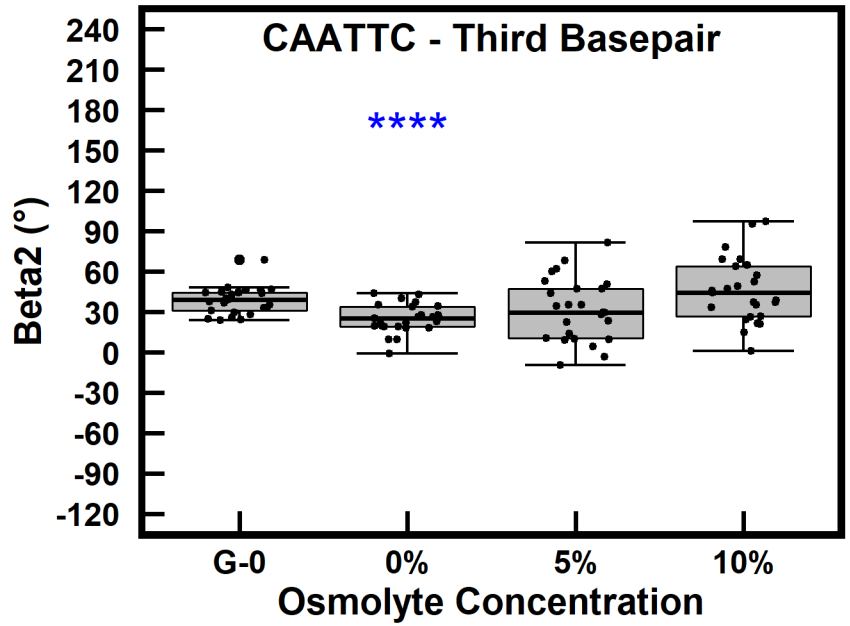
Osmolyte Concentration


CAATTC - Third Basepair
Beta2 (°)
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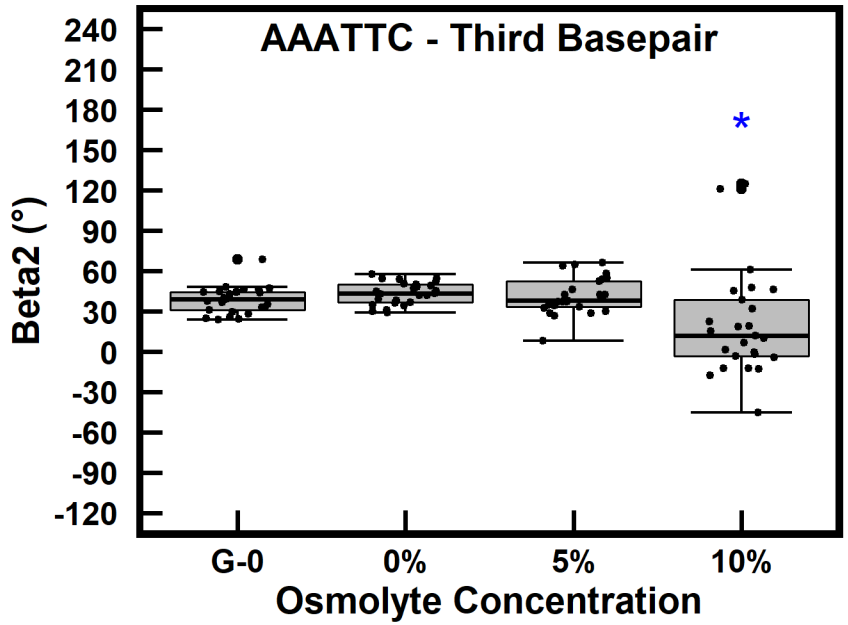
Osmolyte Concentration


AAATTC - Third Basepair
Beta2 (°)
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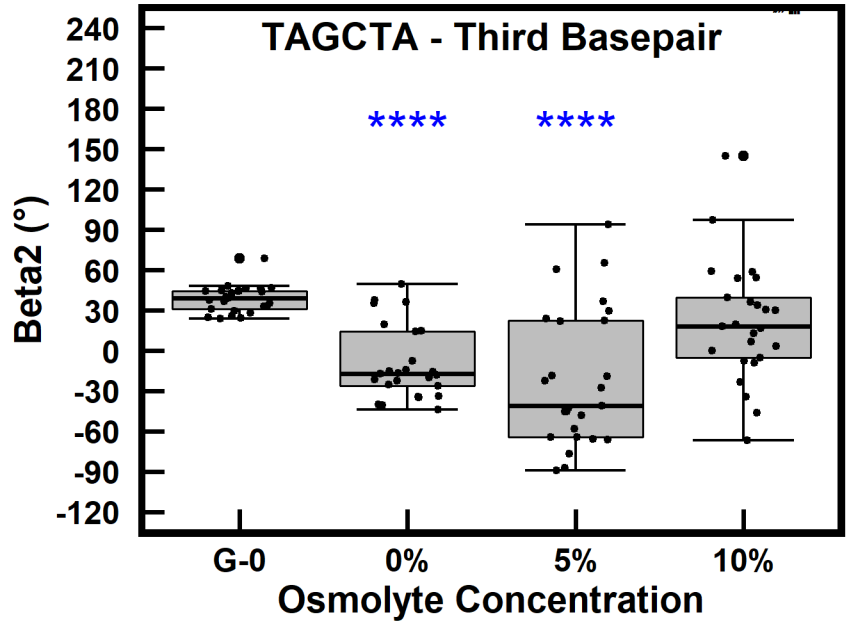
Osmolyte Concentration


TAGCTA - Third Basepair
Beta2 (°)
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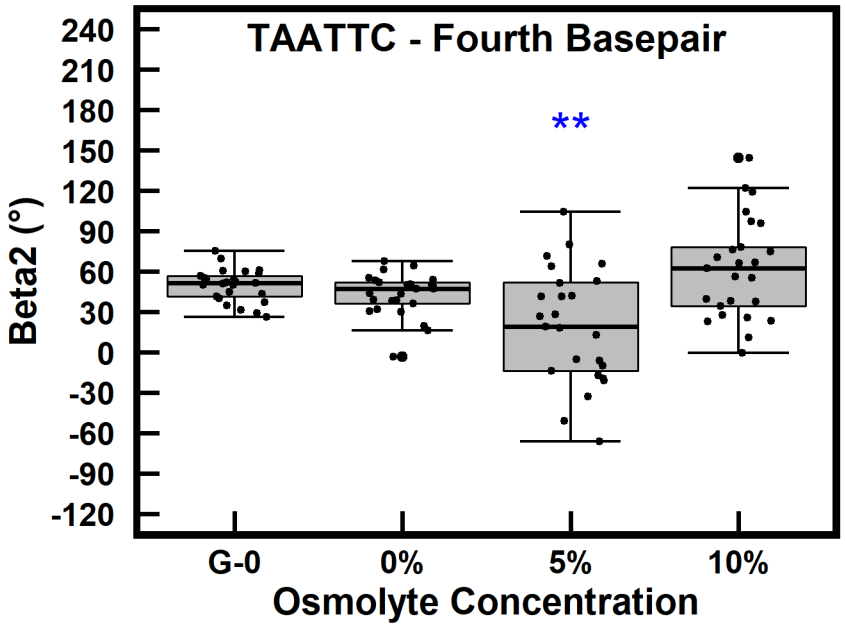
TAATTC - Fourth Basepair
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Beta2 (°)
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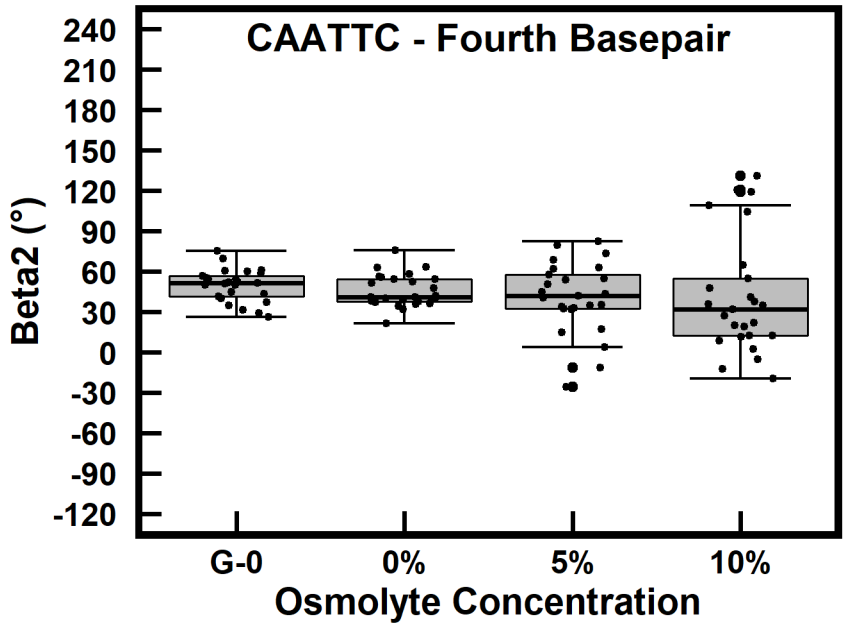
Osmolyte Concentration


CAATTC - Fourth Basepair
Beta2 (°)
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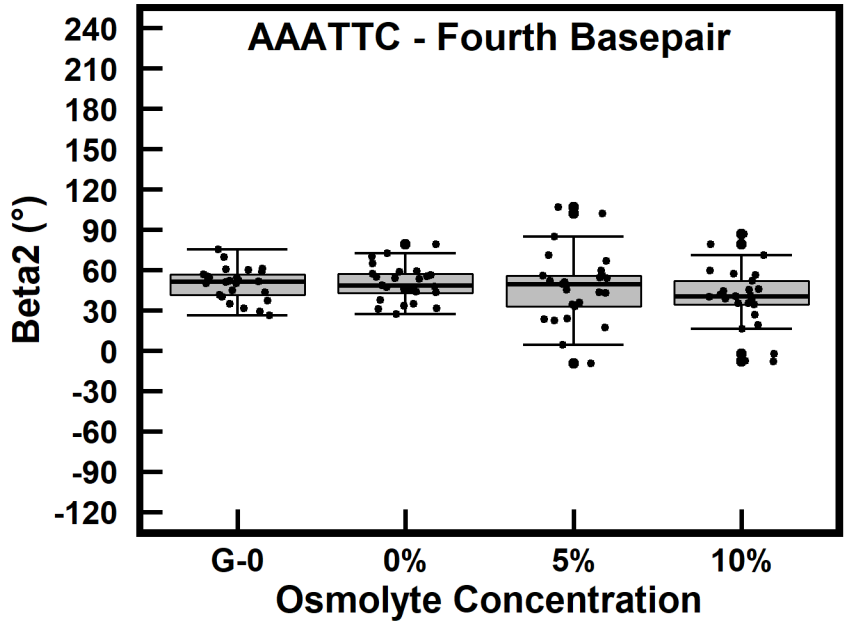
Osmolyte Concentration


AAATTC - Fourth Basepair
Beta2 (°)
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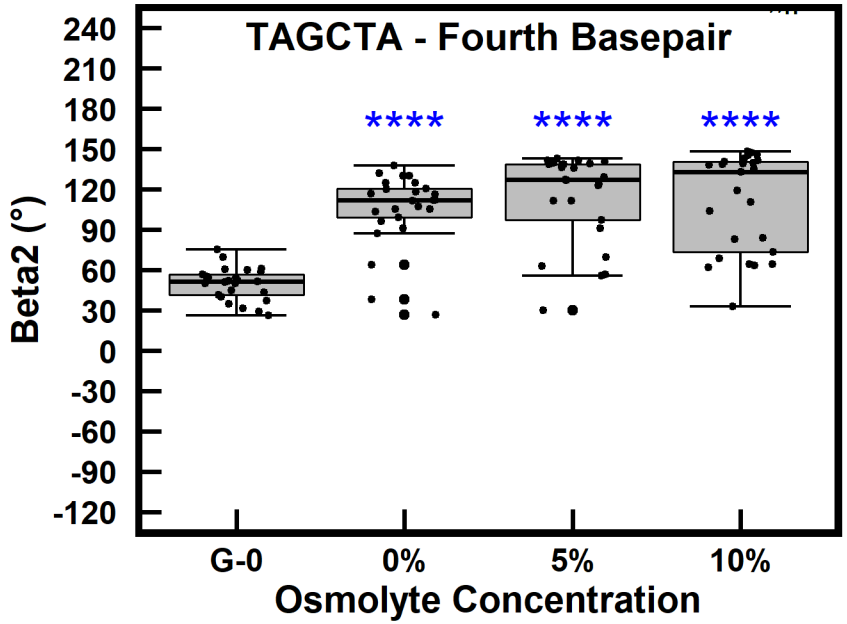
TAGCTA - Fourth Basepair
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Beta2 (°)
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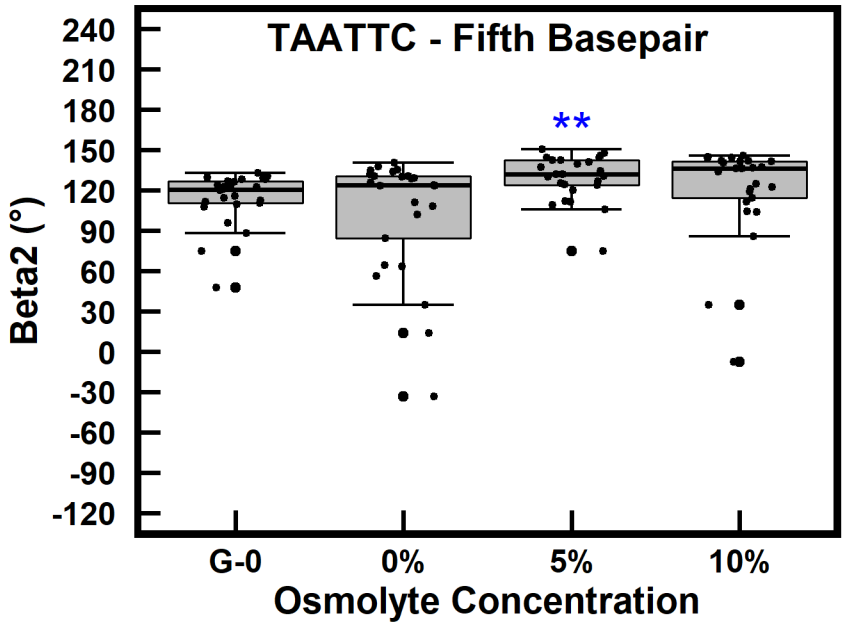
Osmolyte Concentration


TAATTC - Fifth Basepair
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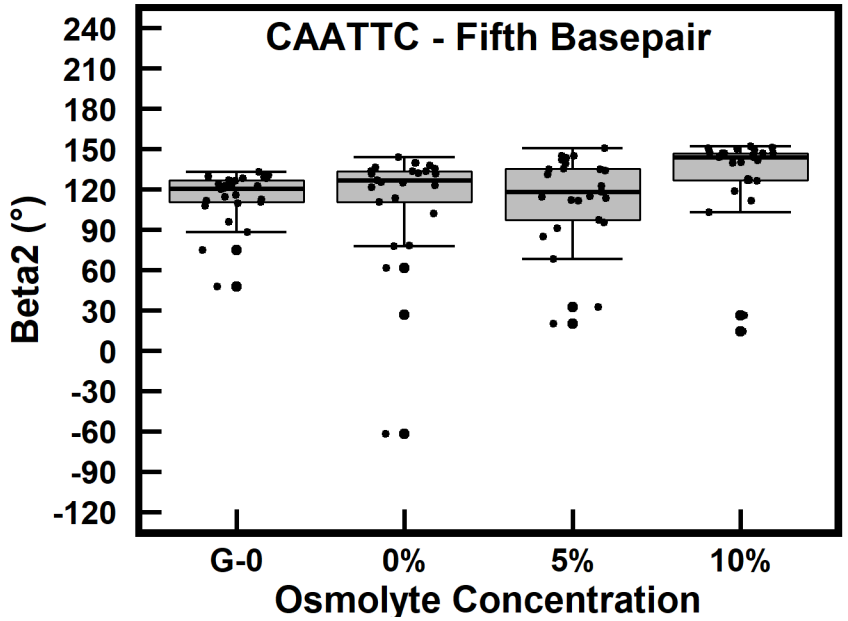
CAATTC - Fifth Basepair
Beta2 (°)
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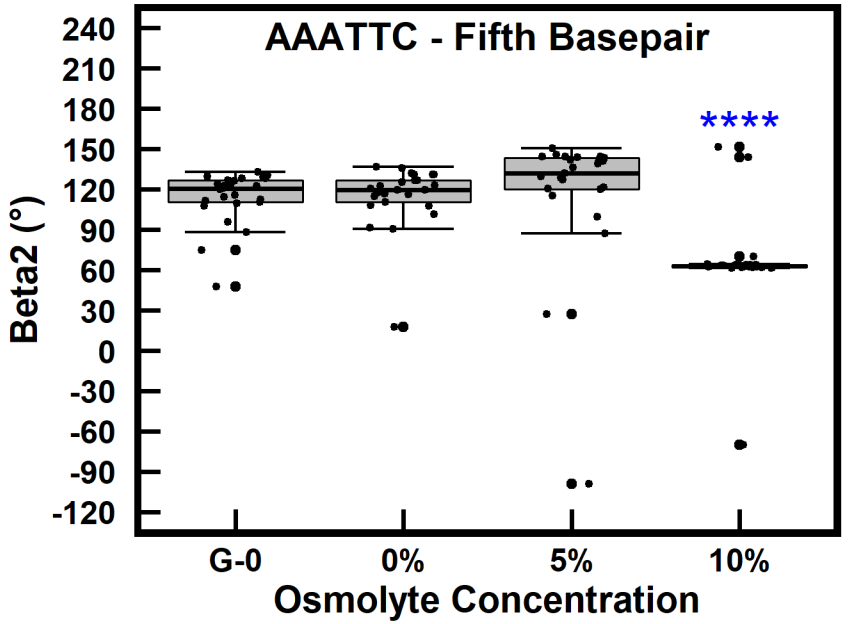
Osmolyte Concentration


AAATTC - Fifth Basepair
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Beta2 (°)
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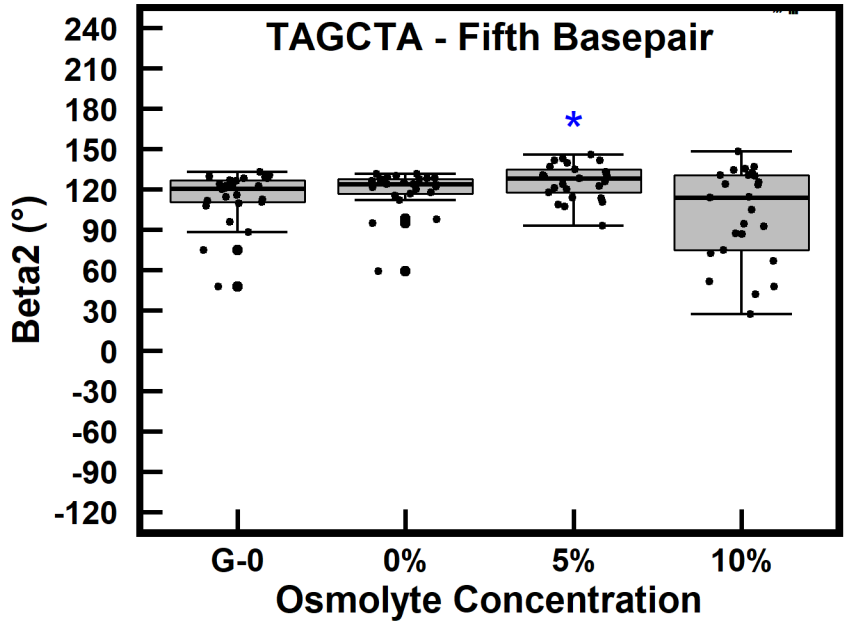
Osmolyte Concentration


TAGCTA - Fifth Basepair
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Beta2 (°)
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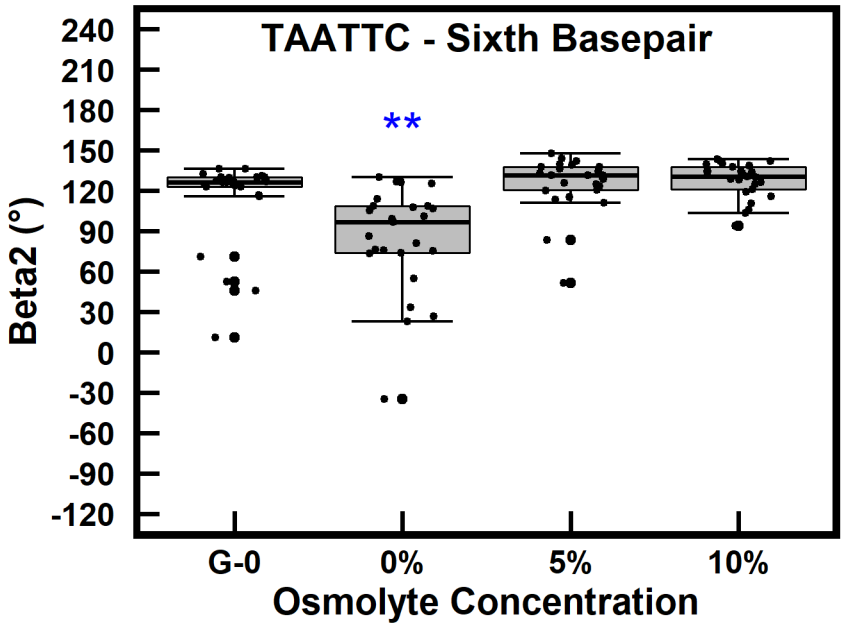
Osmolyte Concentration


TAATTC - Sixth Basepair
Beta2 (°)
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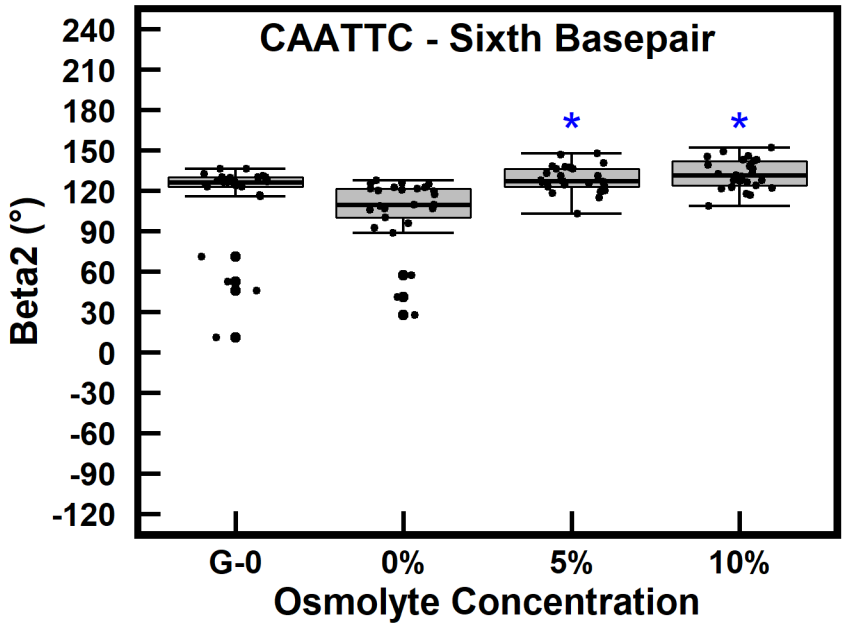
Osmolyte Concentration


CAATTC - Sixth Basepair
Beta2 (°)
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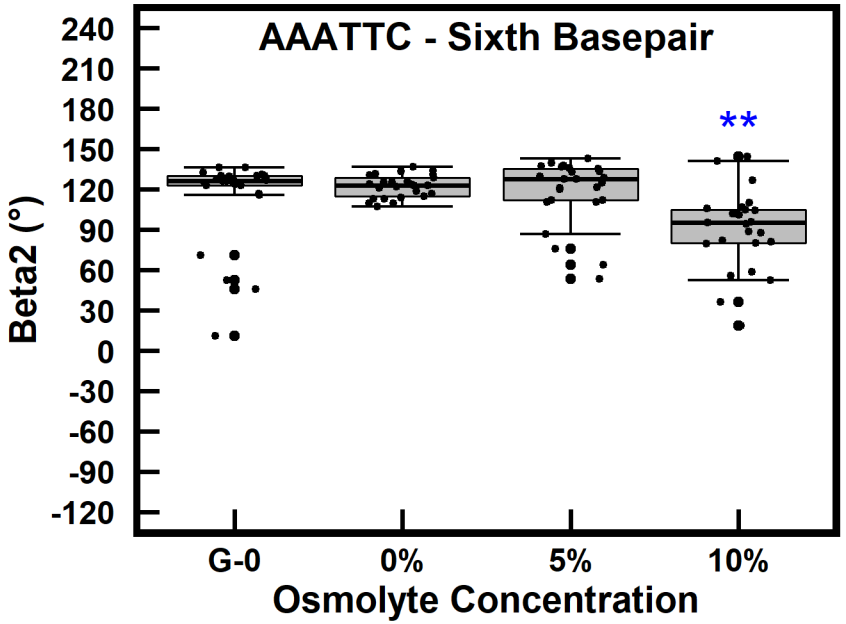
Osmolyte Concentration


AAATTC - Sixth Basepair
Beta2 (°)
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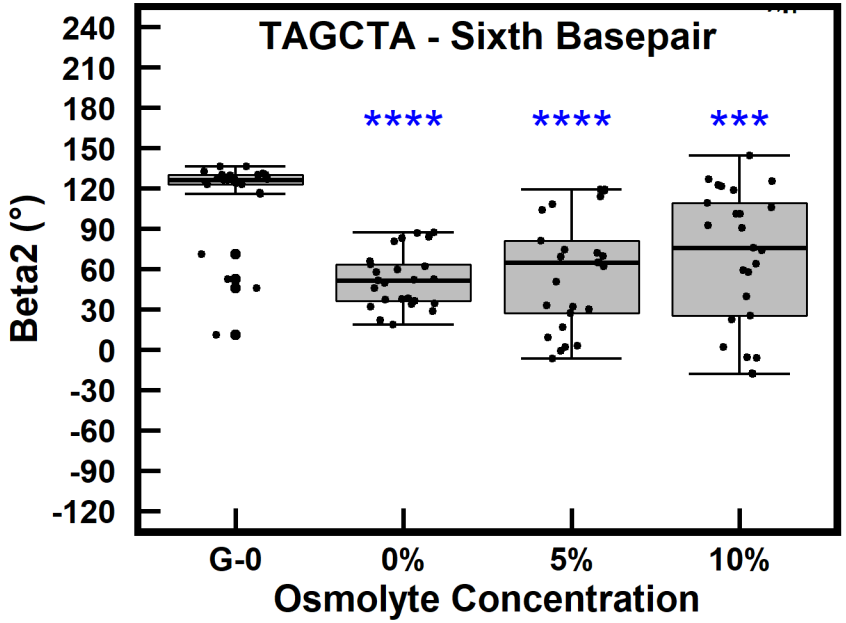
Osmolyte Concentration


TAGCTA - Sixth Basepair
Beta2 (°)
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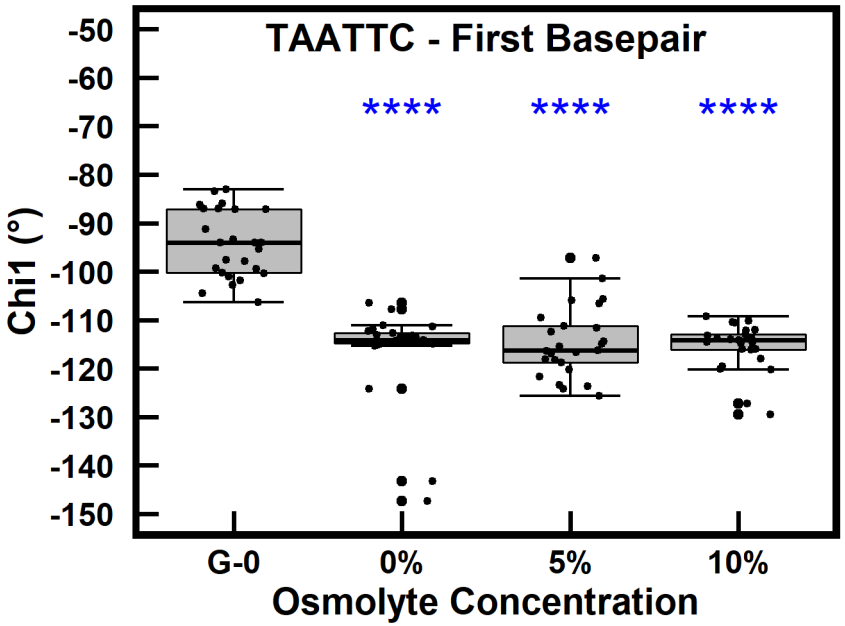
Osmolyte Concentration

Chi1


TAATTC - First Basepair
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****
Chi1 (°)
-50
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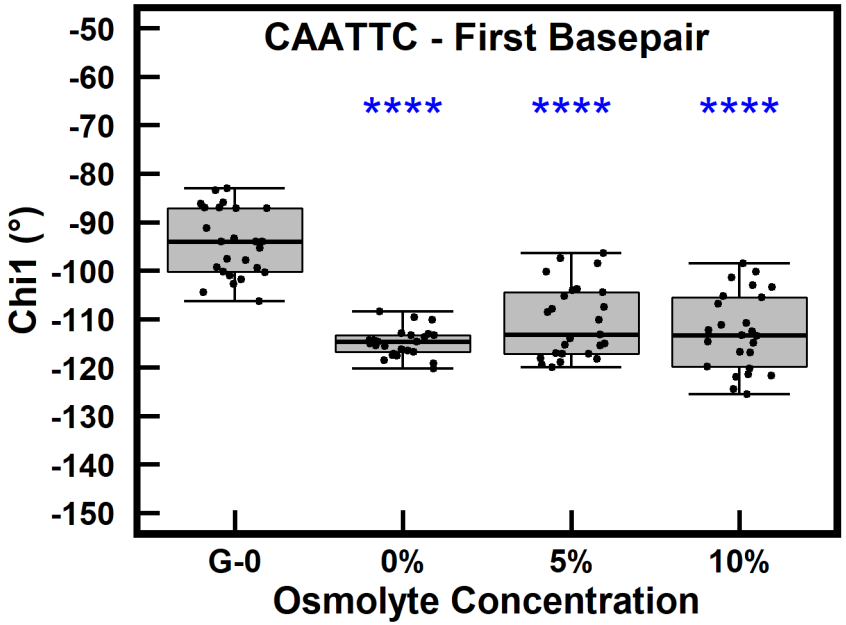
Osmolyte Concentration


CAATTC - First Basepair
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Chi1 (°)
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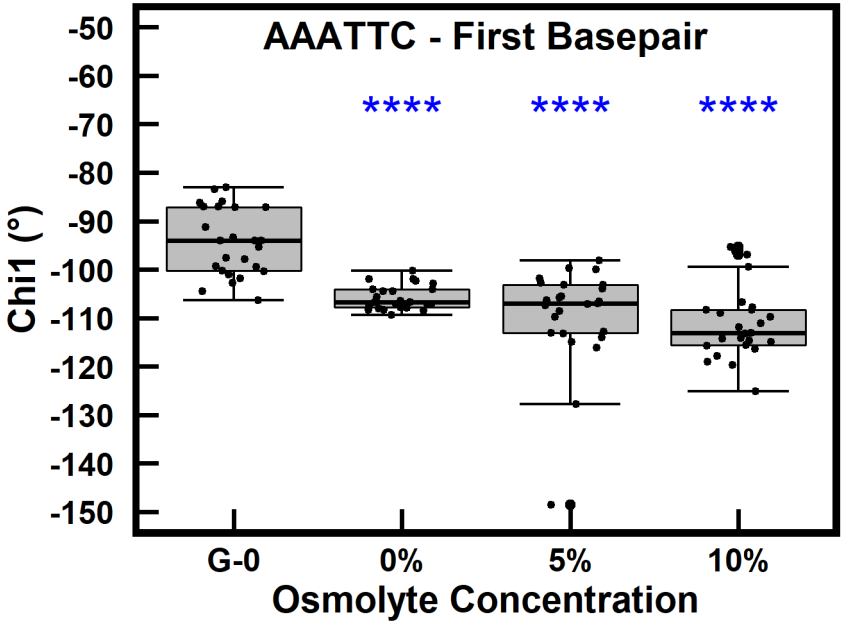
Osmolyte Concentration


AAATTC - First Basepair
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Chi1 (°)
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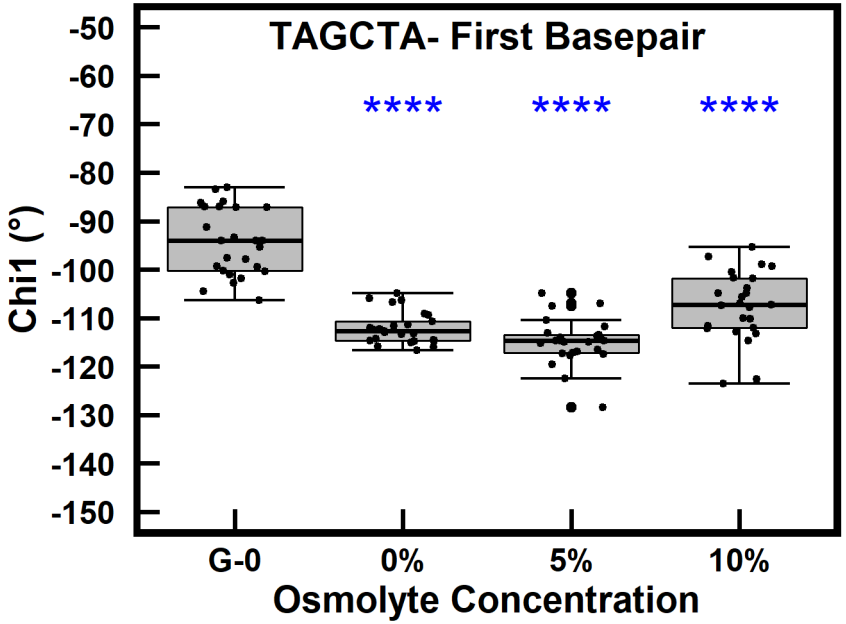
Osmolyte Concentration


TAGCTA- First Basepair
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Chi1 (°)
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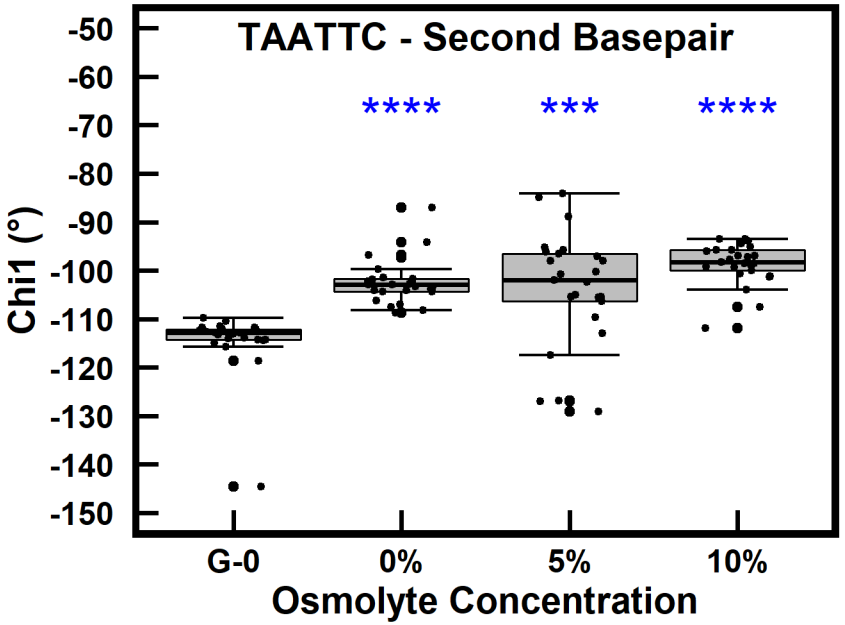
Osmolyte Concentration


TAATTC - Second Basepair
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Chi1 (°)
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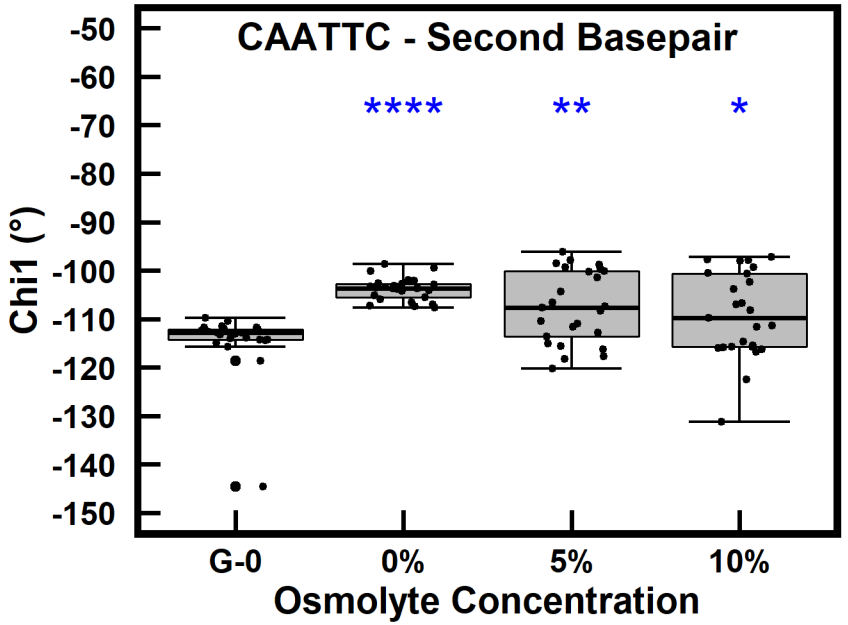
Osmolyte Concentration


CAATTC - Second Basepair
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Chi1 (°)
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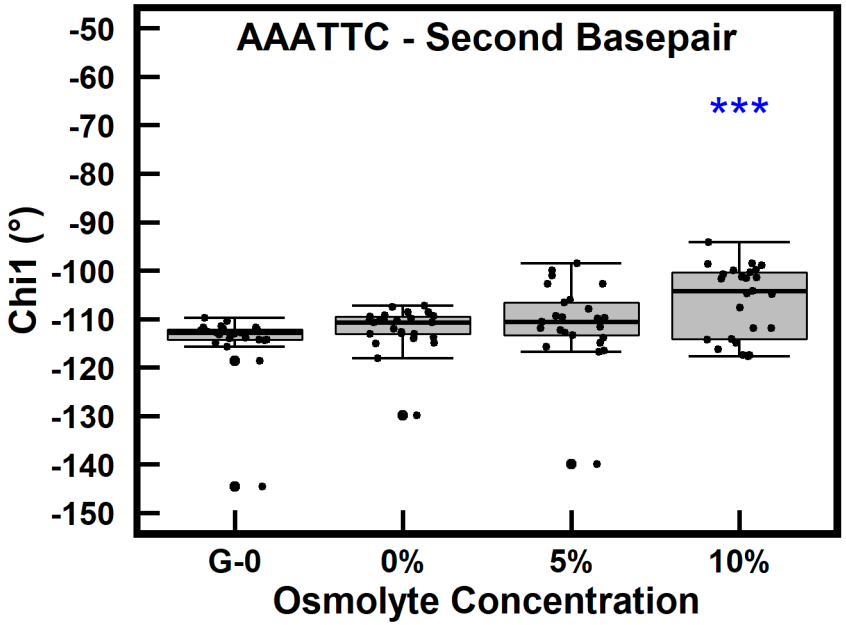
Osmolyte Concentration


AAATTC - Second Basepair
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Chi1 (°)
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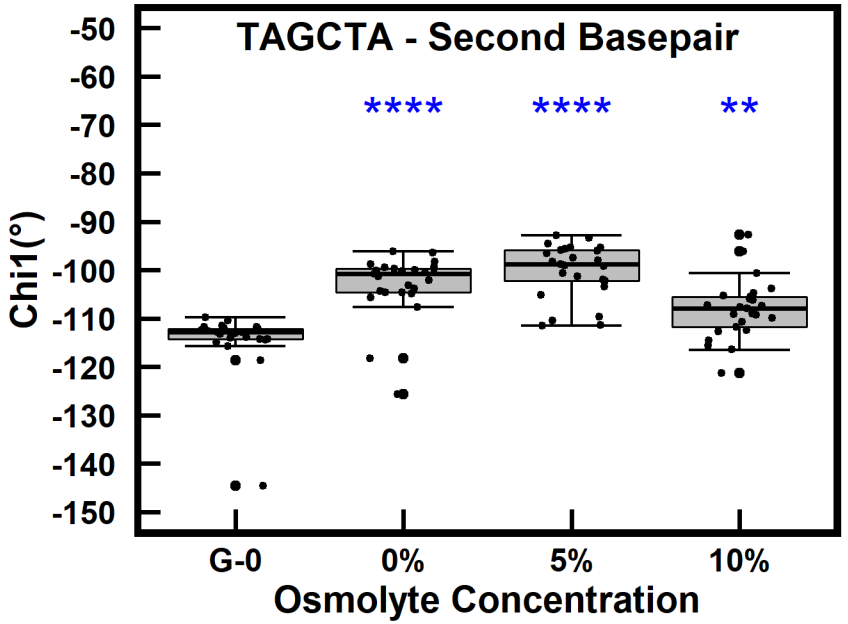
Osmolyte Concentration


TAGCTA - Second Basepair
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Chi1(°)
-50
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G-0
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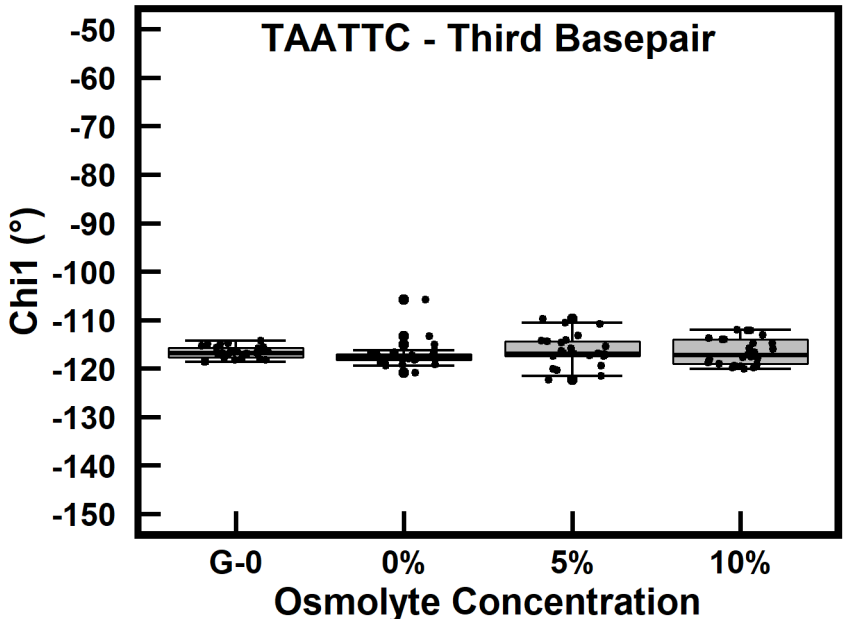
Osmolyte Concentration


TAATTC - Third Basepair
Chi1 (°)
-50
-60
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G-0
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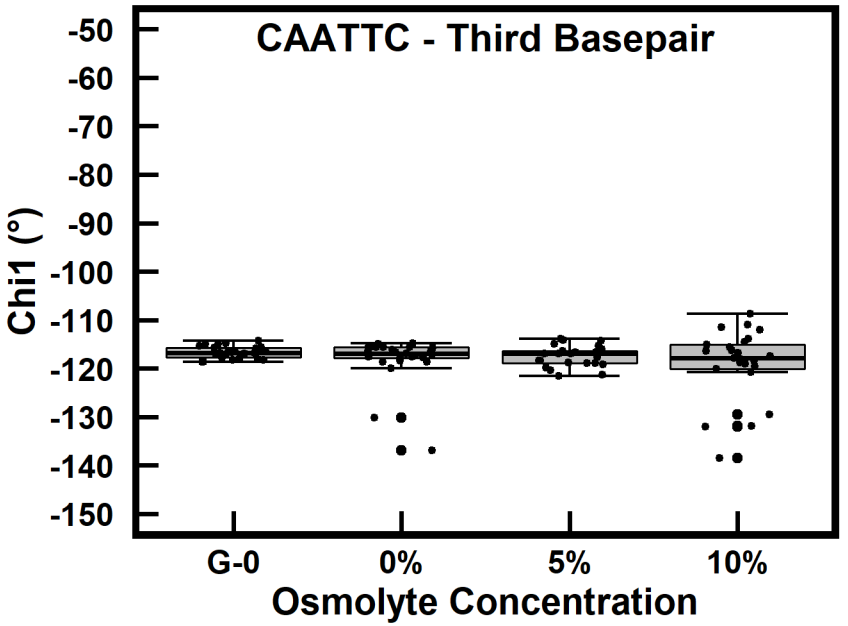
Osmolyte Concentration


CAATTC - Third Basepair
Chi1 (°)
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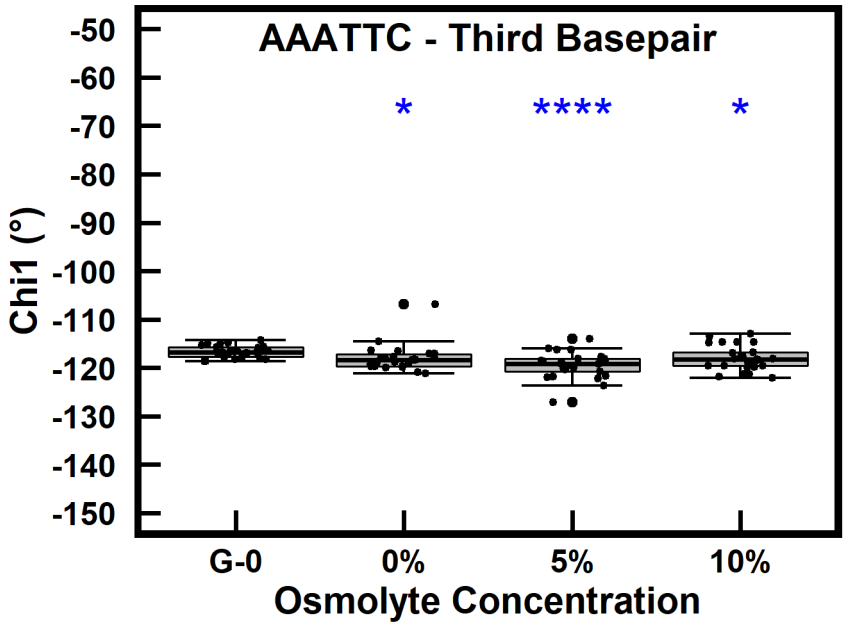
Osmolyte Concentration


AAATTC - Third Basepair
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Chi1 (°)
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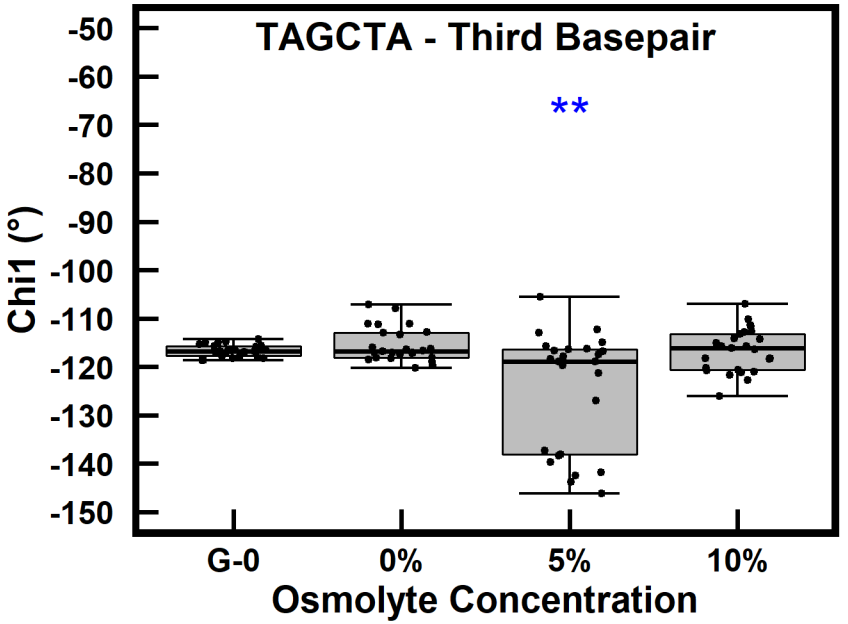
Osmolyte Concentration


TAGCTA - Third Basepair
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Chi1 (°)
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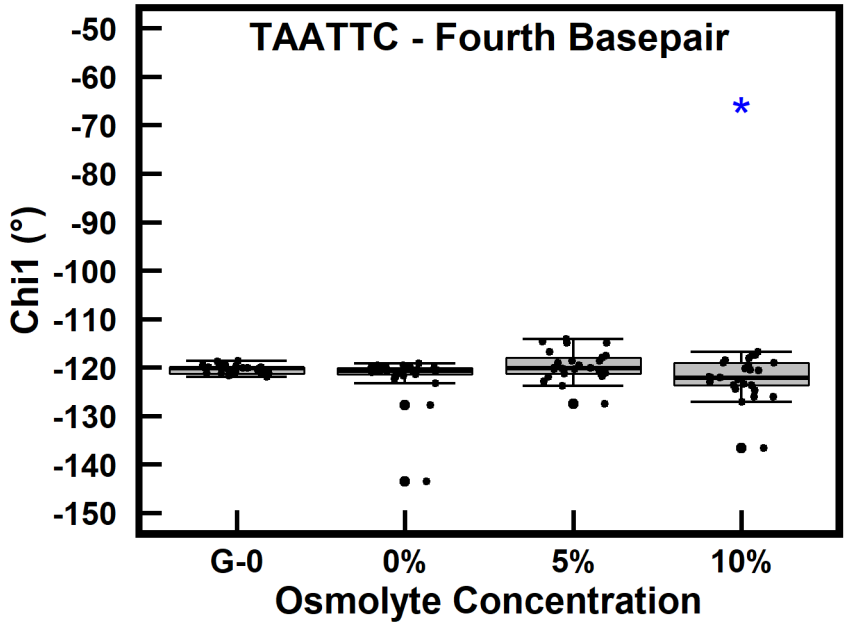
Osmolyte Concentration


TAATTC - Fourth Basepair
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Chi1 (°)
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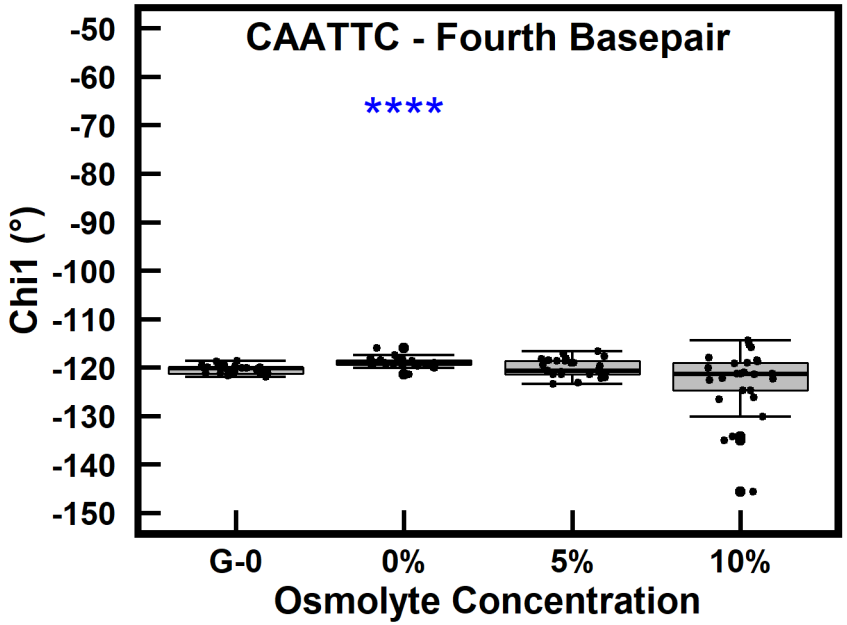
Osmolyte Concentration


CAATTC - Fourth Basepair
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Chi1 (°)
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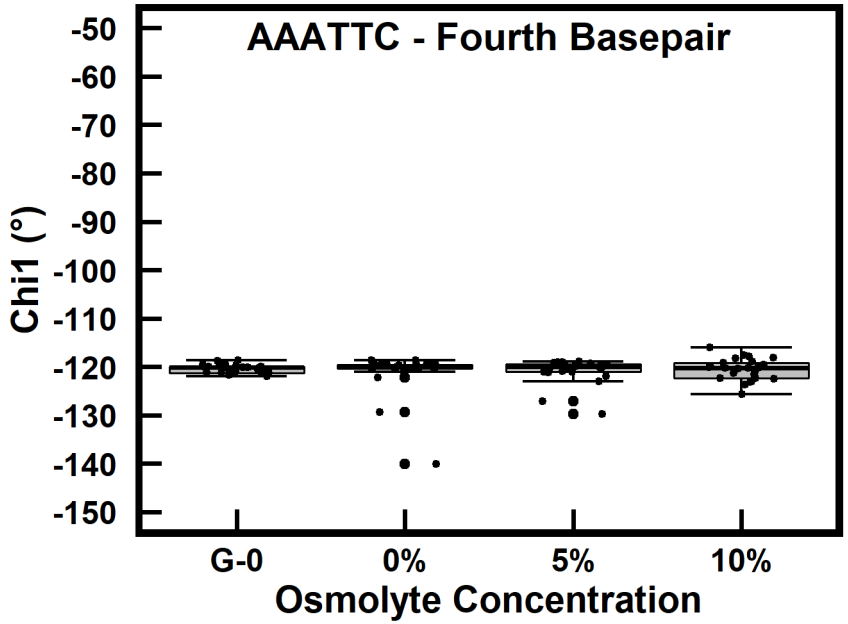
Osmolyte Concentration


AAATTC - Fourth Basepair
Chi1 (°)
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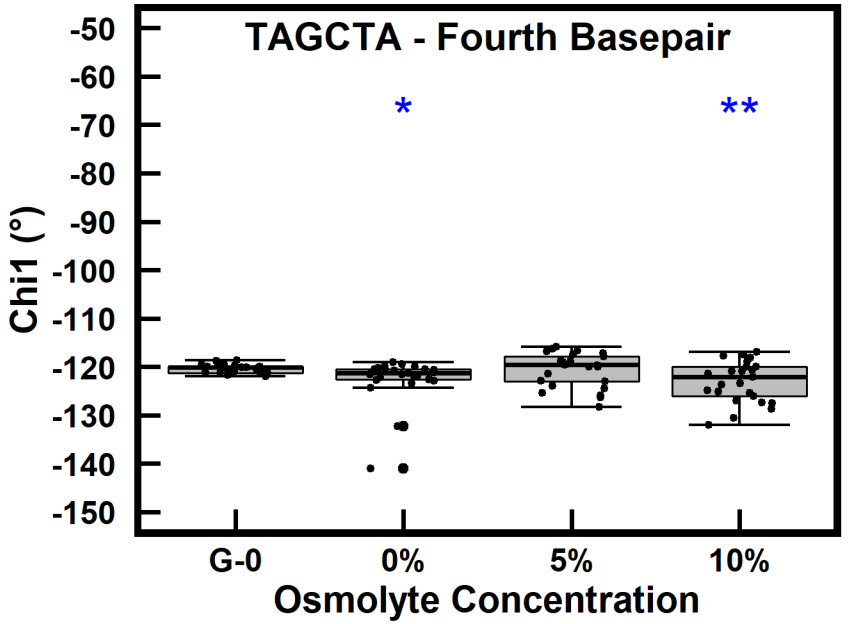
Osmolyte Concentration


TAGCTA - Fourth Basepair
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Chi1 (°)
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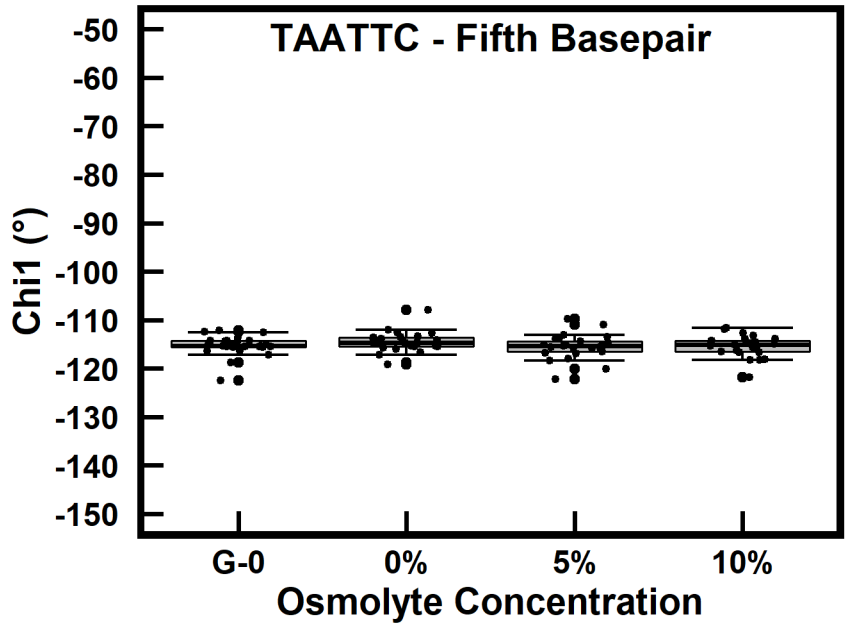
Osmolyte Concentration


TAATTC - Fifth Basepair
Chi1 (°)
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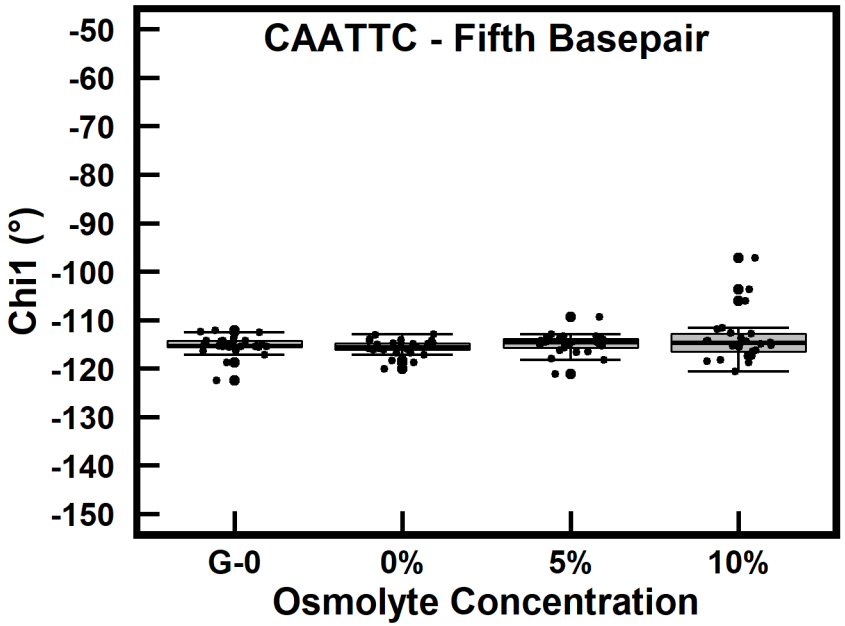
Osmolyte Concentration


CAATTC - Fifth Basepair
Chi1 (°)
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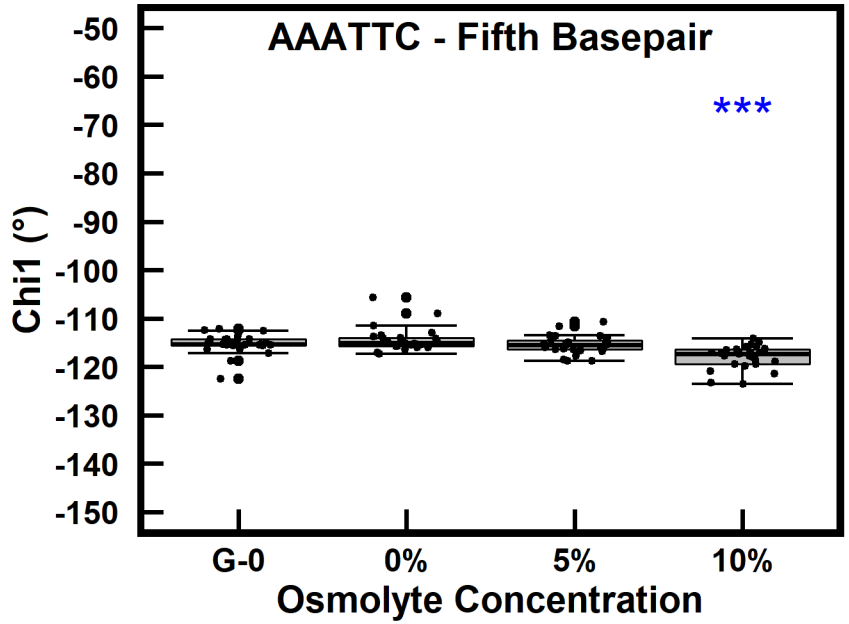
Osmolyte Concentration


AAATTC - Fifth Basepair
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Chi1 (°)
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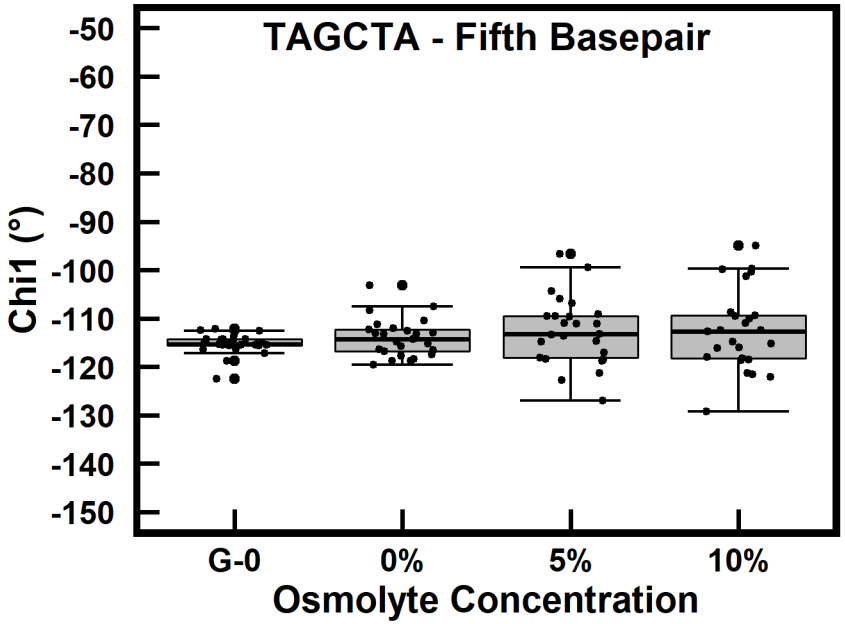
Osmolyte Concentration


TAGCTA - Fifth Basepair
Chi1 (°)
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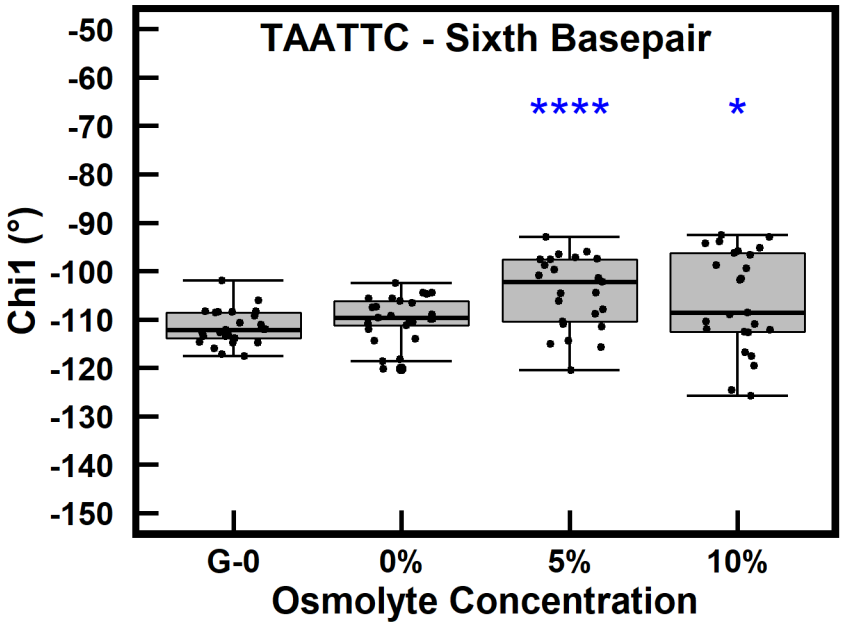
Osmolyte Concentration


TAATTC - Sixth Basepair
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Chi1 (°)
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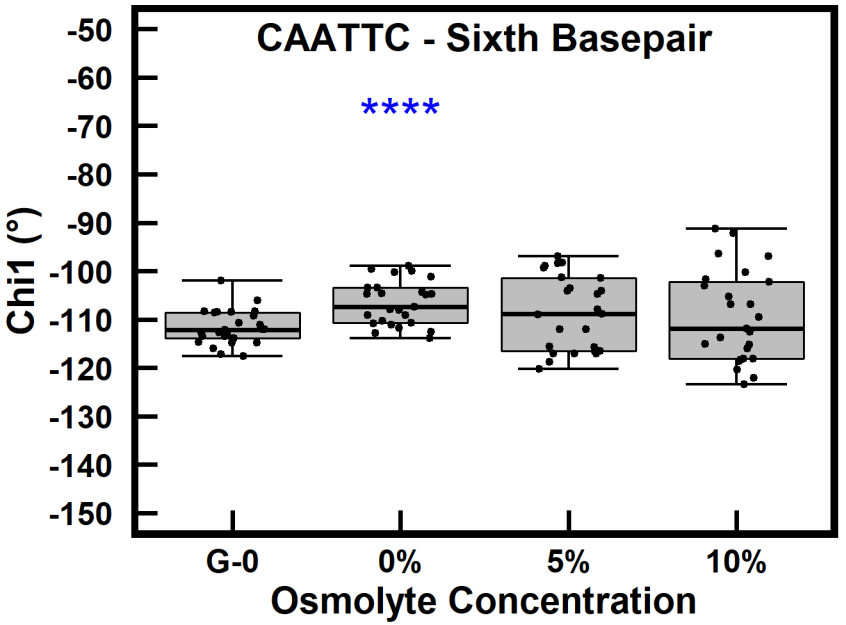
Osmolyte Concentration


CAATTC - Sixth Basepair
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Chi1 (°)
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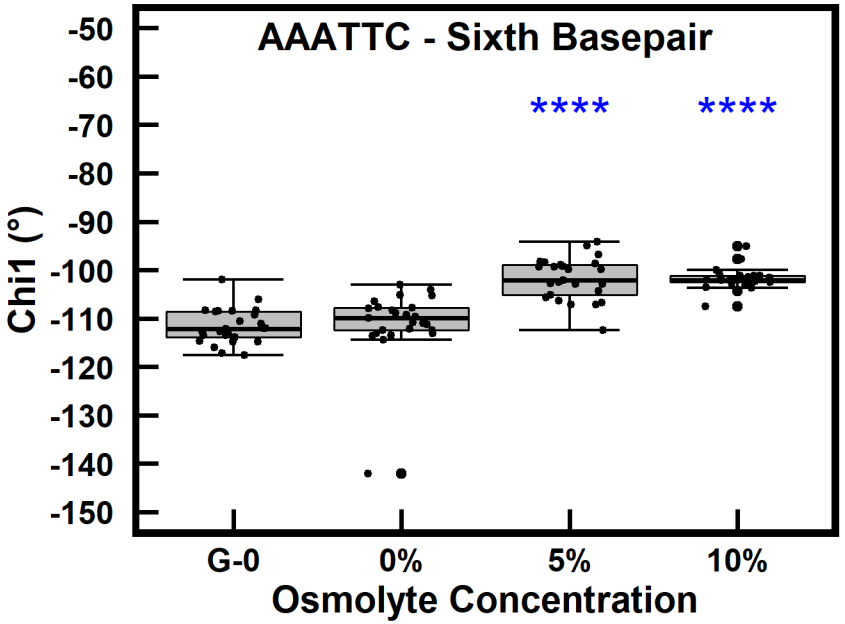
Osmolyte Concentration


AAATTC - Sixth Basepair
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Chi1 (°)
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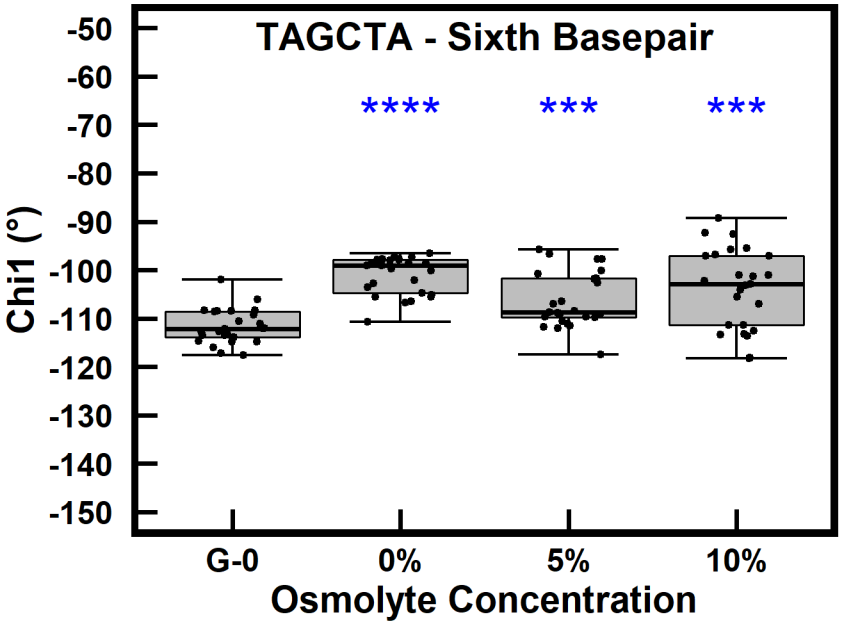
Osmolyte Concentration


TAGCTA - Sixth Basepair
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Chi1 (°)
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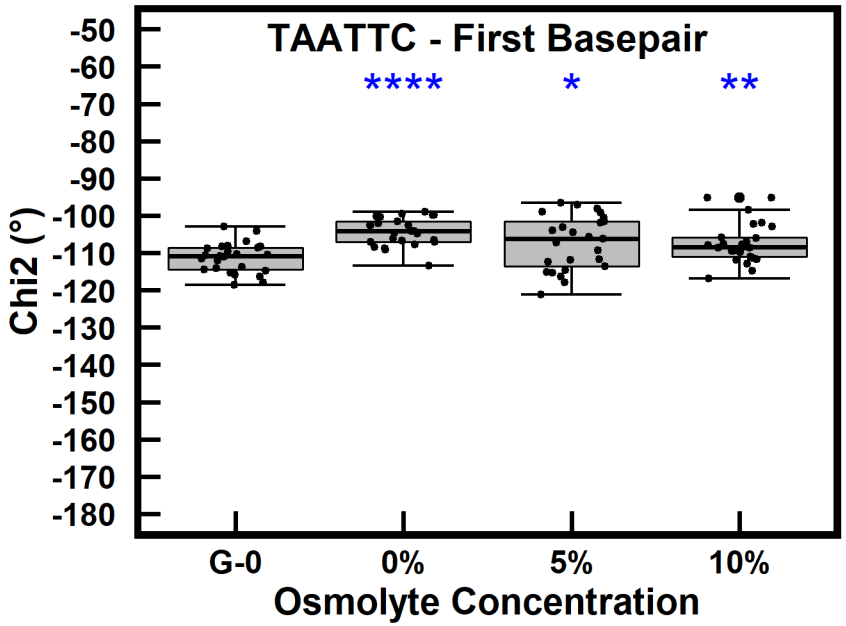
Osmolyte Concentration

Chi2


TAATTC - First Basepair
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Chi2 (°)
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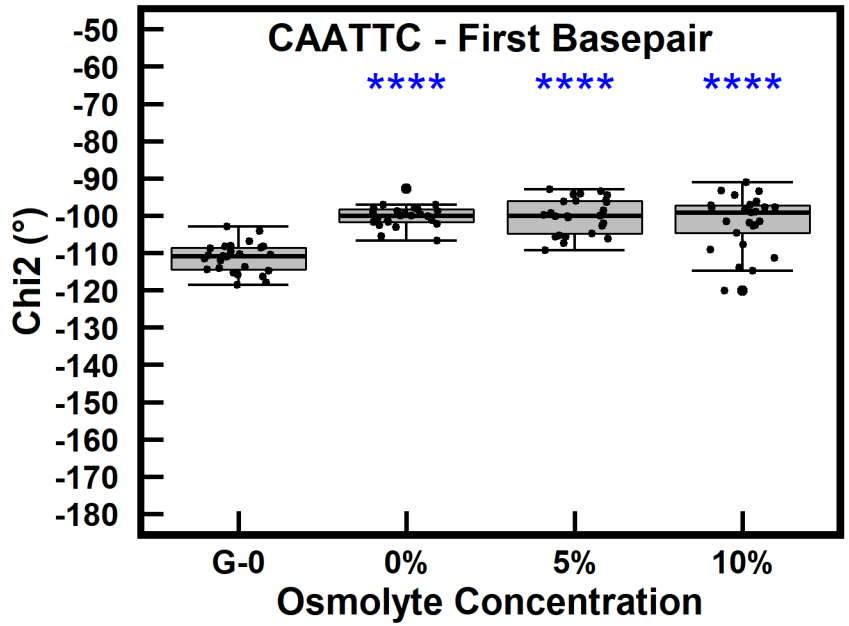
Osmolyte Concentration


CAATTC - First Basepair
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****
Chi2 (°)
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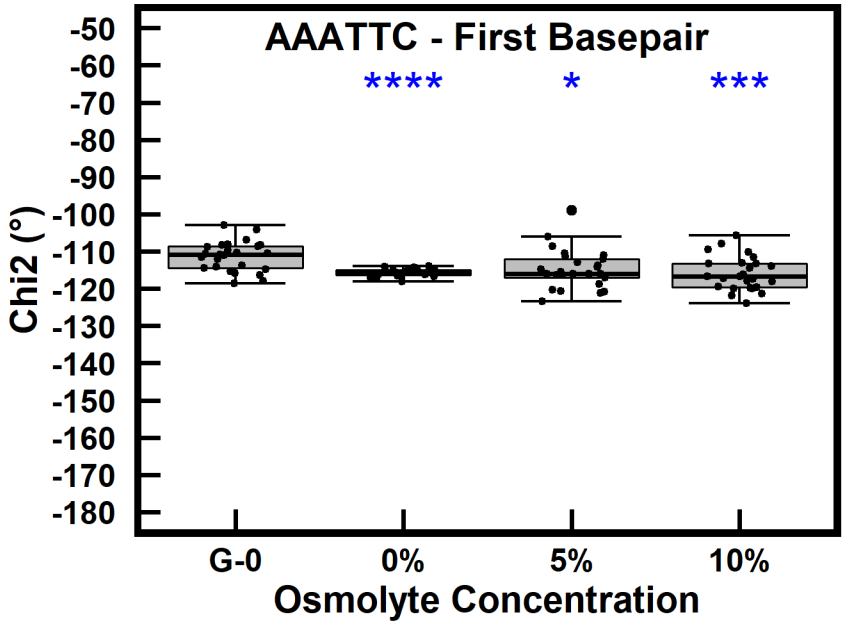
Osmolyte Concentration


AAATTC - First Basepair
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Chi2 (°)
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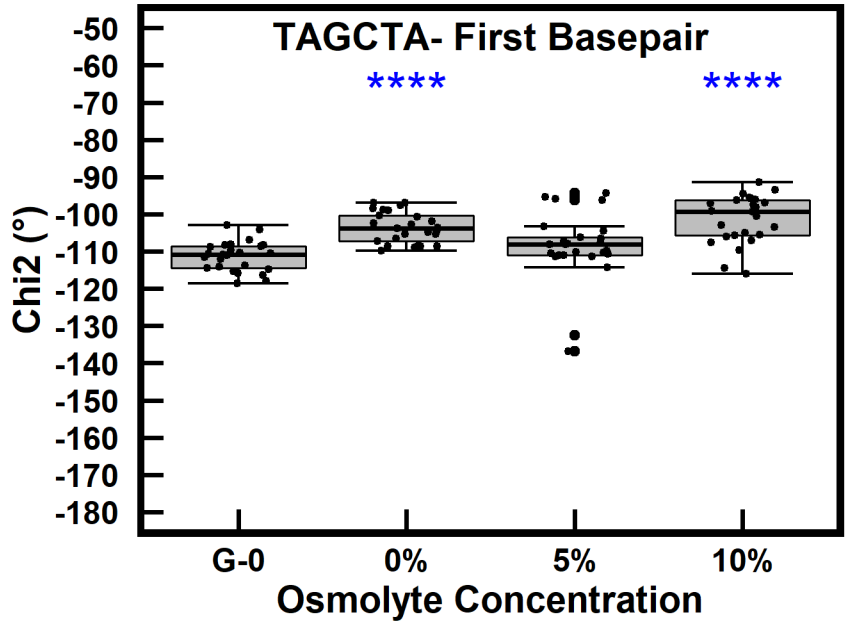
Osmolyte Concentration


TAGCTA- First Basepair
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****
Chi2 (°)
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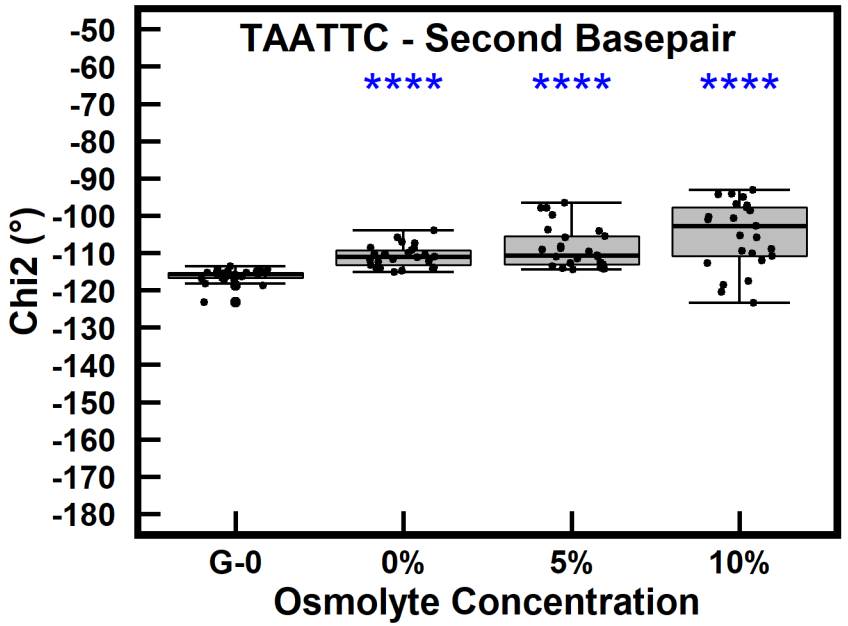
Osmolyte Concentration


TAATTC - Second Basepair
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Chi2 (°)
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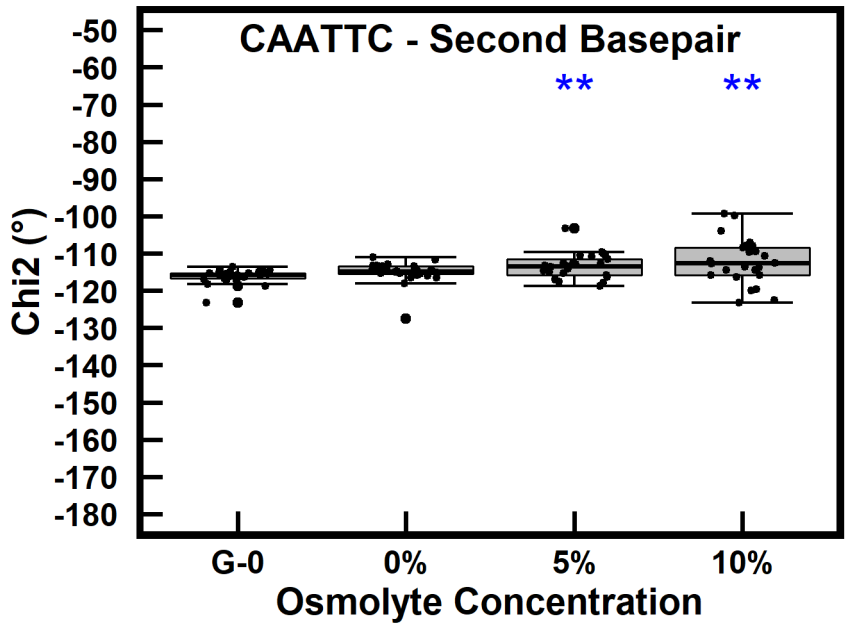
Osmolyte Concentration


CAATTC - Second Basepair
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Chi2 (°)
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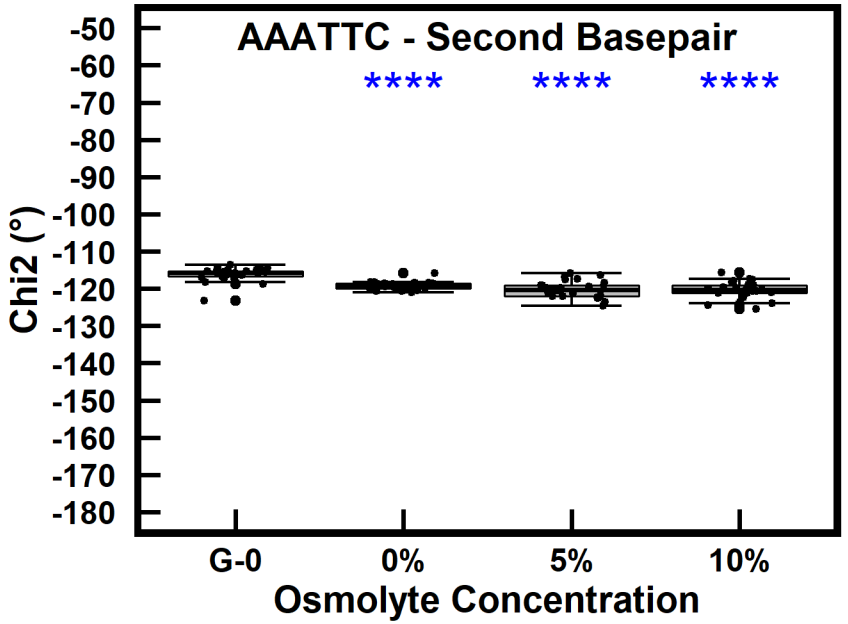
Osmolyte Concentration


AAATTC - Second Basepair
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Chi2 (°)
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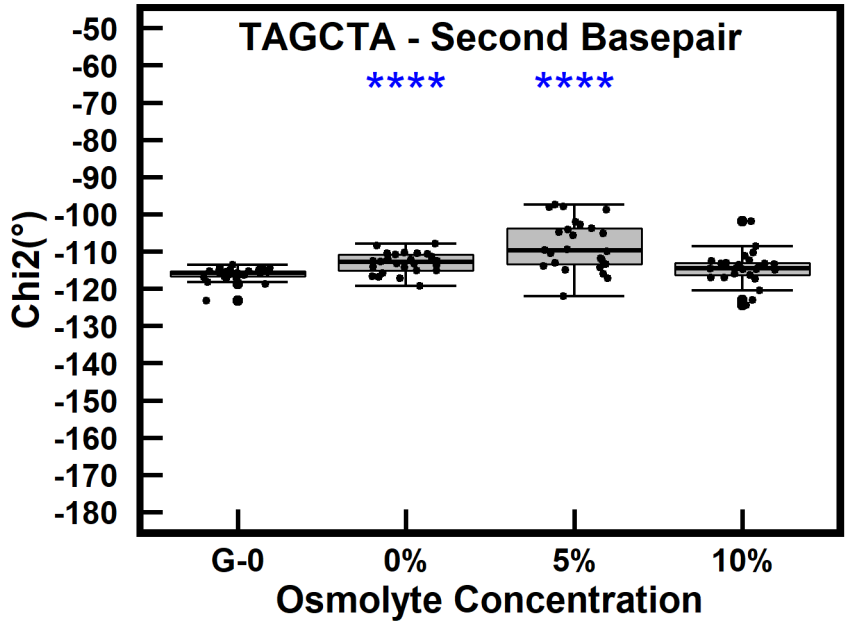
Osmolyte Concentration


TAGCTA - Second Basepair
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Chi2(°)
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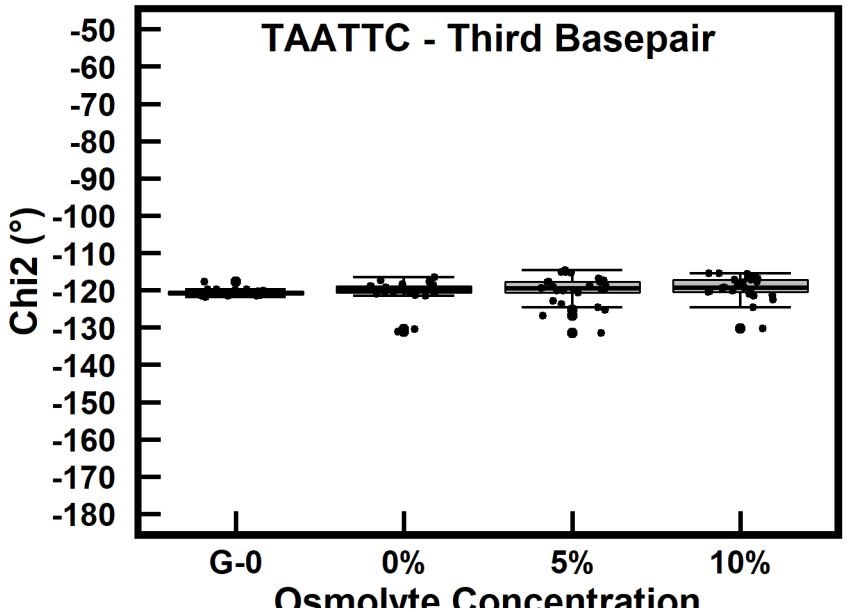
Osmolyte Concentration


TAATTC - Third Basepair
Chi2 (°)
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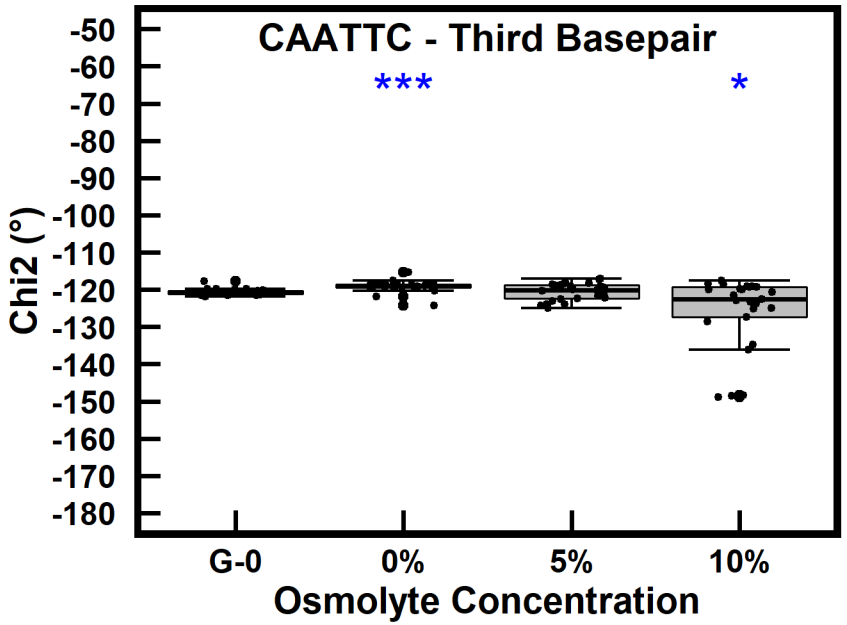
Osmolyte Concentration


CAATTC - Third Basepair
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Chi2 (°)
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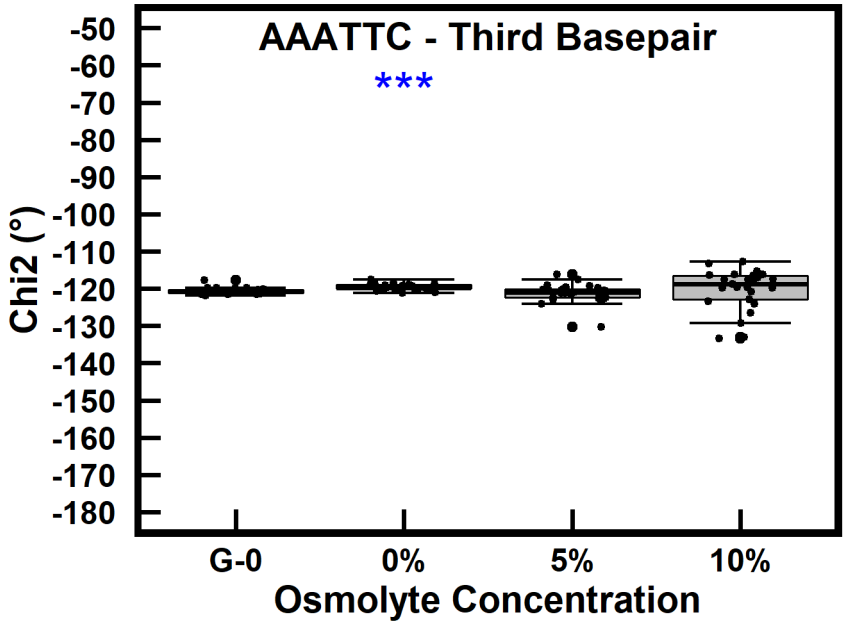
Osmolyte Concentration


AAATTC - Third Basepair
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Chi2 (°)
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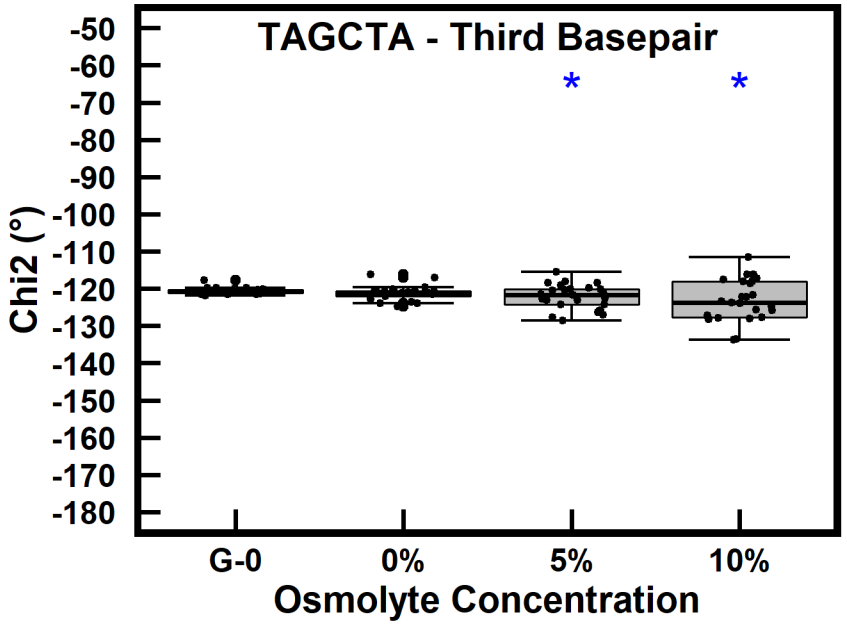
Osmolyte Concentration


TAGCTA - Third Basepair
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Chi2 (°)
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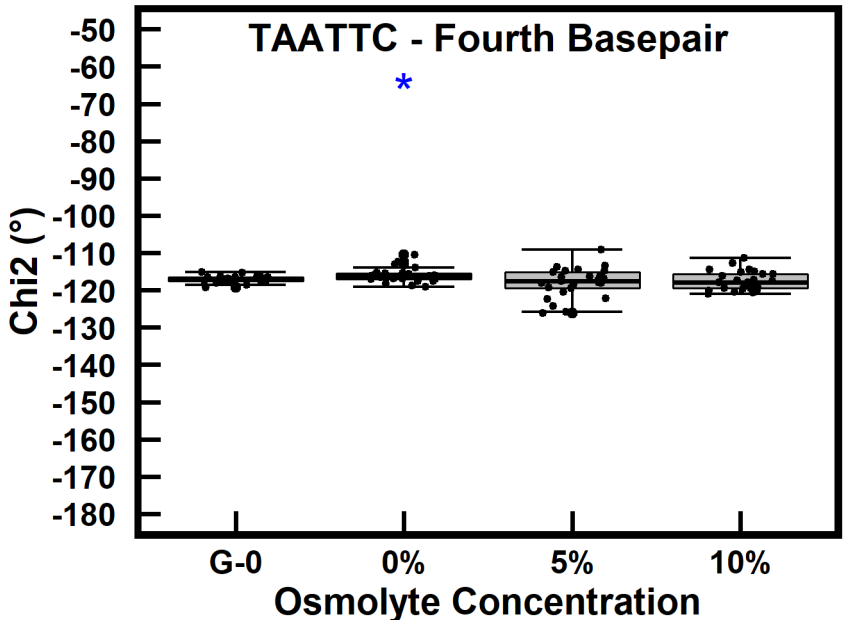
Osmolyte Concentration


TAATTC - Fourth Basepair
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Chi2 (°)
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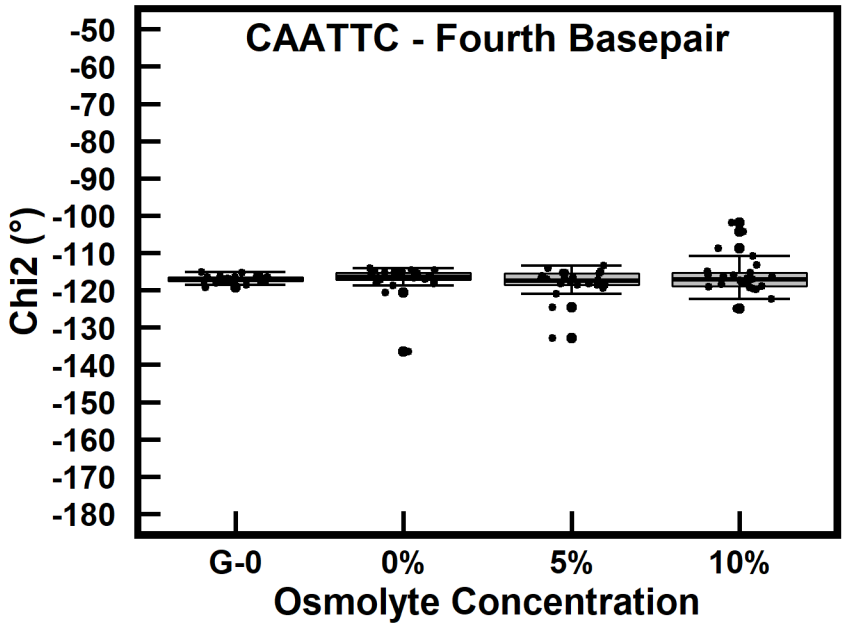
Osmolyte Concentration


CAATTC - Fourth Basepair
Chi2 (°)
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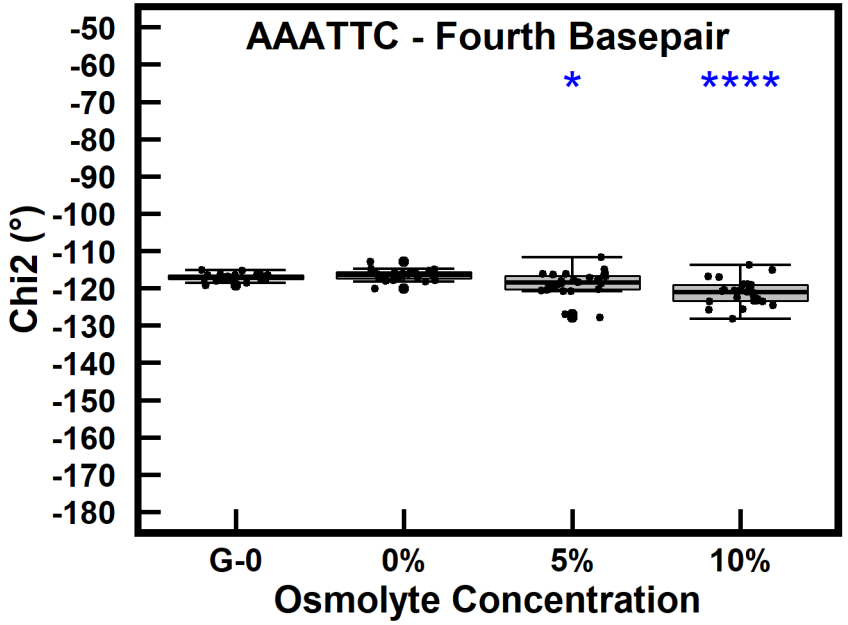
Osmolyte Concentration


AAATTC - Fourth Basepair
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Chi2 (°)
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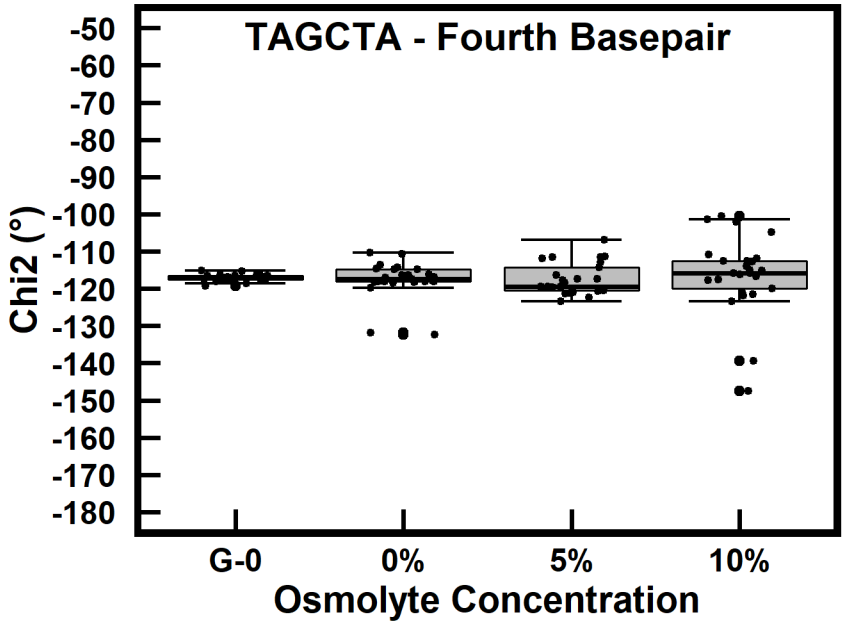
Osmolyte Concentration


TAGCTA - Fourth Basepair
Chi2 (°)
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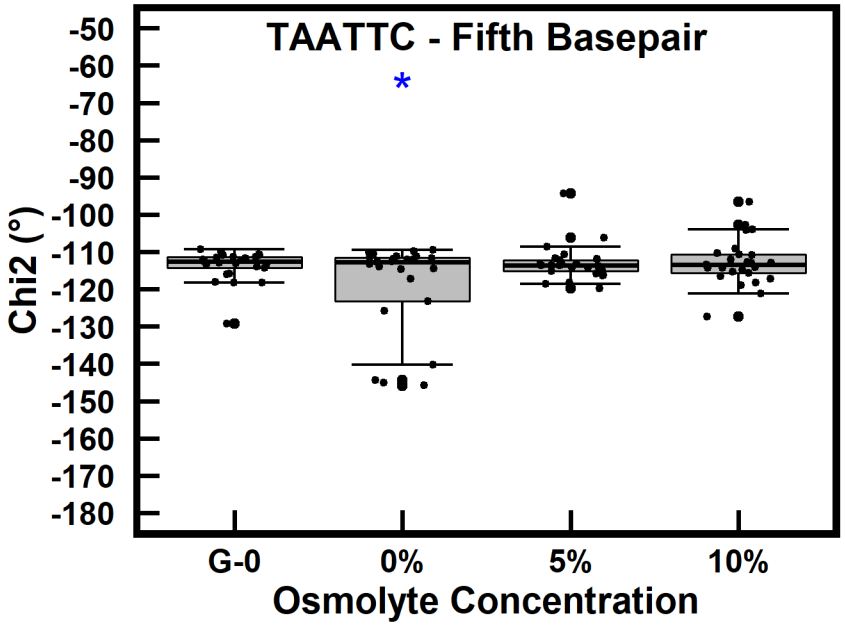
Osmolyte Concentration


TAATTC - Fifth Basepair
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Chi2 (°)
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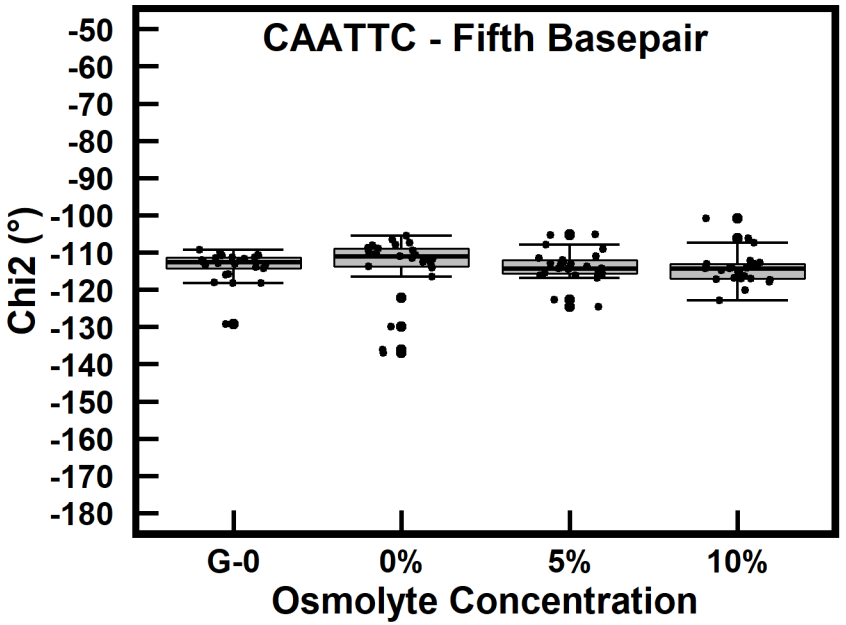
Osmolyte Concentration


CAATTC - Fifth Basepair
Chi2 (°)
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G-0
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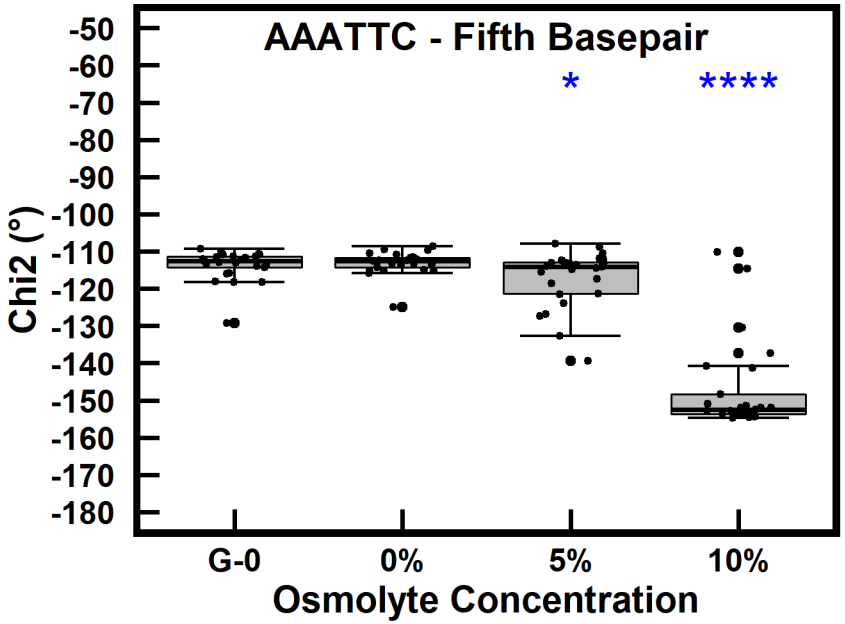
Osmolyte Concentration


AAATTC - Fifth Basepair
*
****
Chi2 (°)
-50
-60
-70
-80
-90
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-170
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G-0
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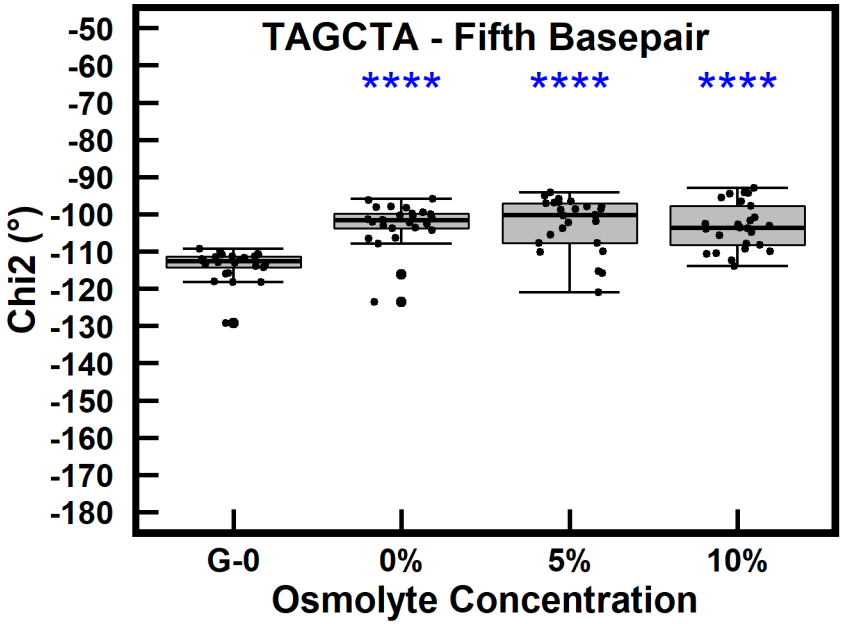
Osmolyte Concentration


TAGCTA - Fifth Basepair
****
****
****
Chi2 (°)
-50
-60
-70
-80
-90
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-130
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-160
-170
-180
G-0
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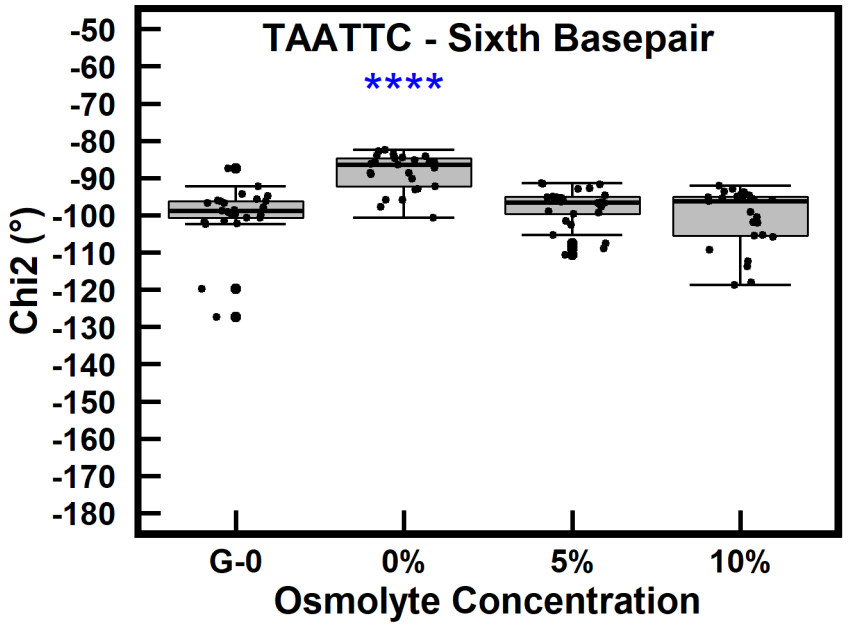
Osmolyte Concentration


TAATTC - Sixth Basepair
****
Chi2 (°)
-50
-60
-70
-80
-90
-100
-110
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-130
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-150
-160
-170
-180
G-0
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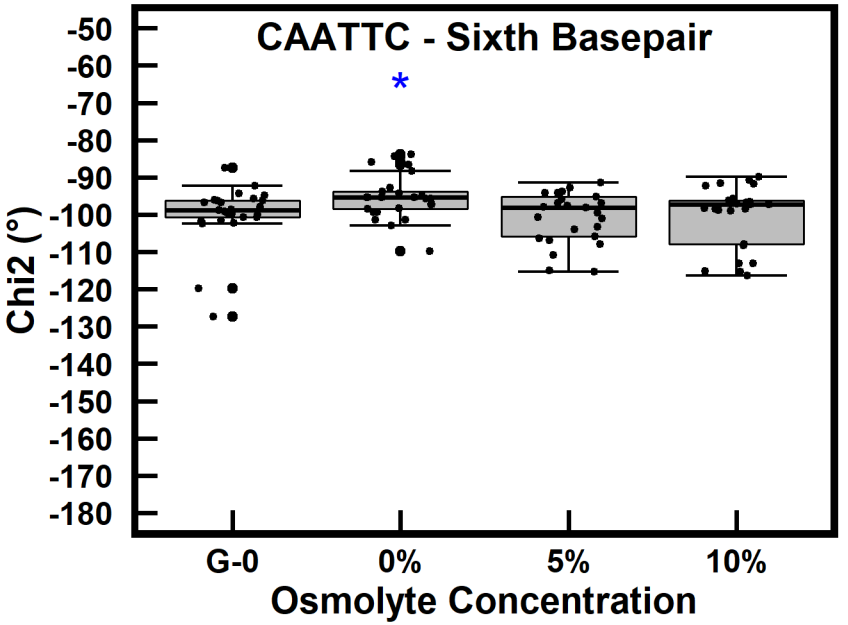
Osmolyte Concentration


CAATTC - Sixth Basepair
*
Chi2 (°)
-50
-60
-70
-80
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G-0
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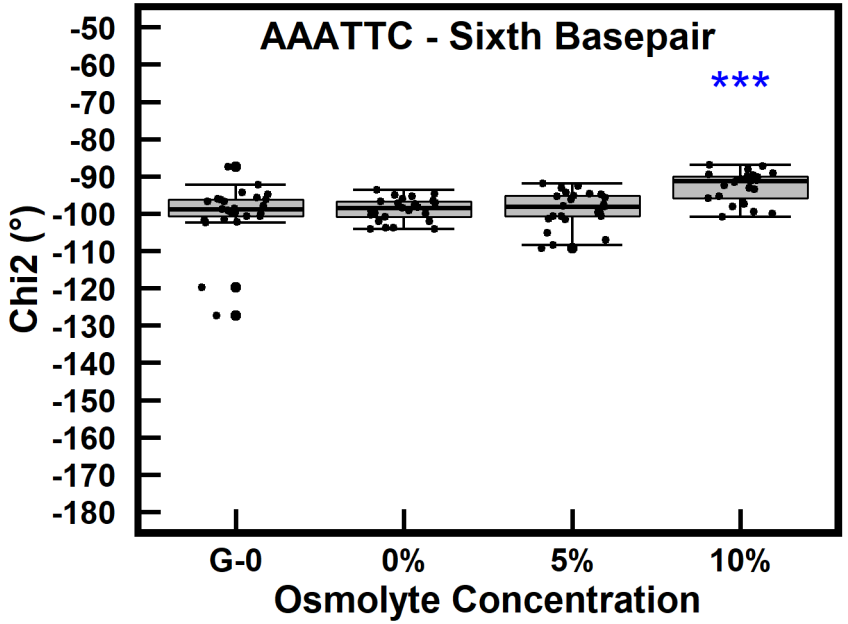
Osmolyte Concentration


AAATTC - Sixth Basepair
***
Chi2 (°)
-50
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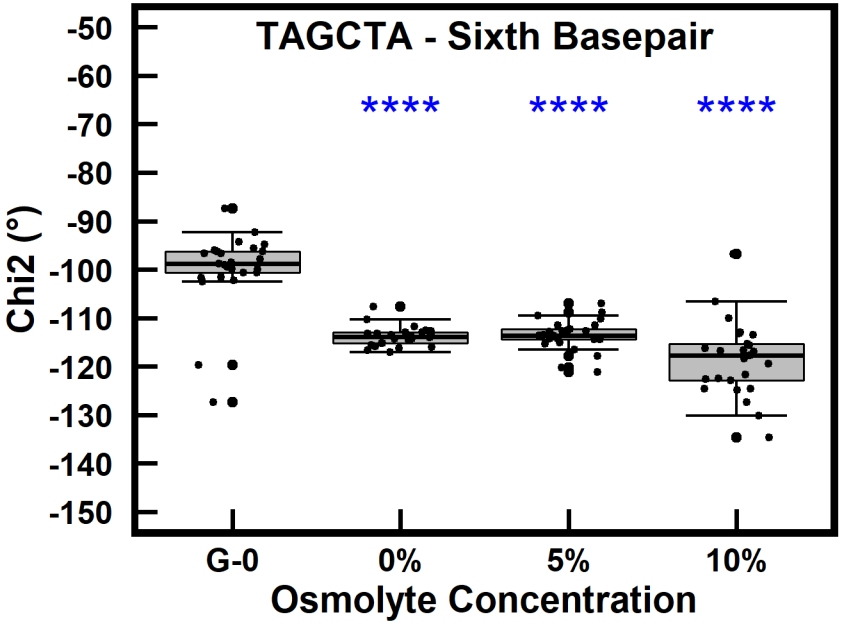
Osmolyte Concentration


TAGCTA - Sixth Basepair
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****
Chi2 (°)
-50
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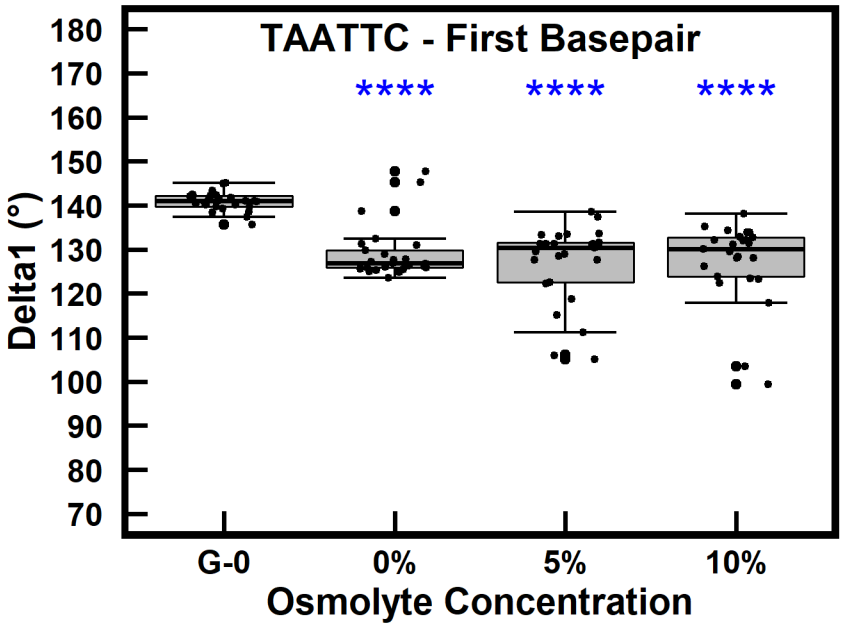
Osmolyte Concentration

Delta1


TAATTC - First Basepair
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Delta1 (°)
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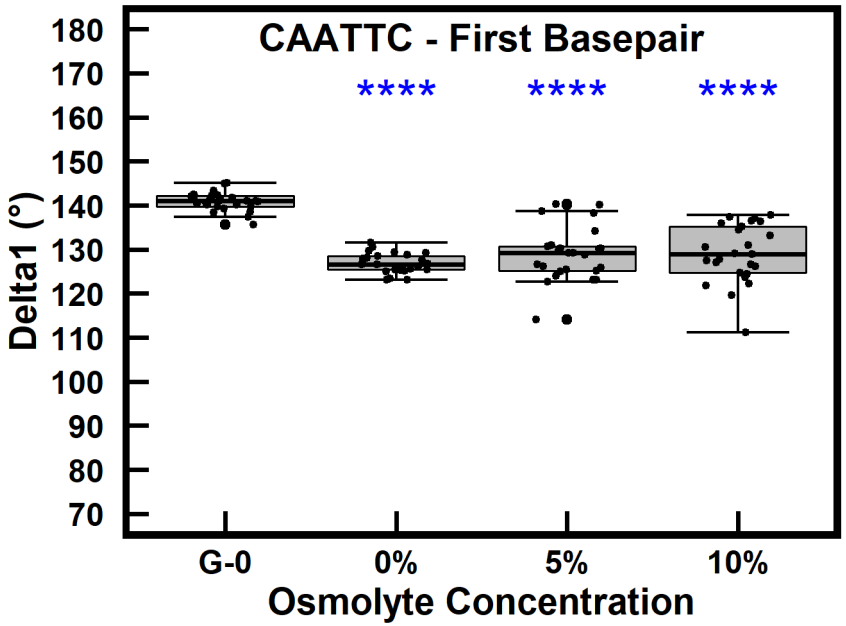
Osmolyte Concentration


CAATTC - First Basepair
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Delta1 (°)
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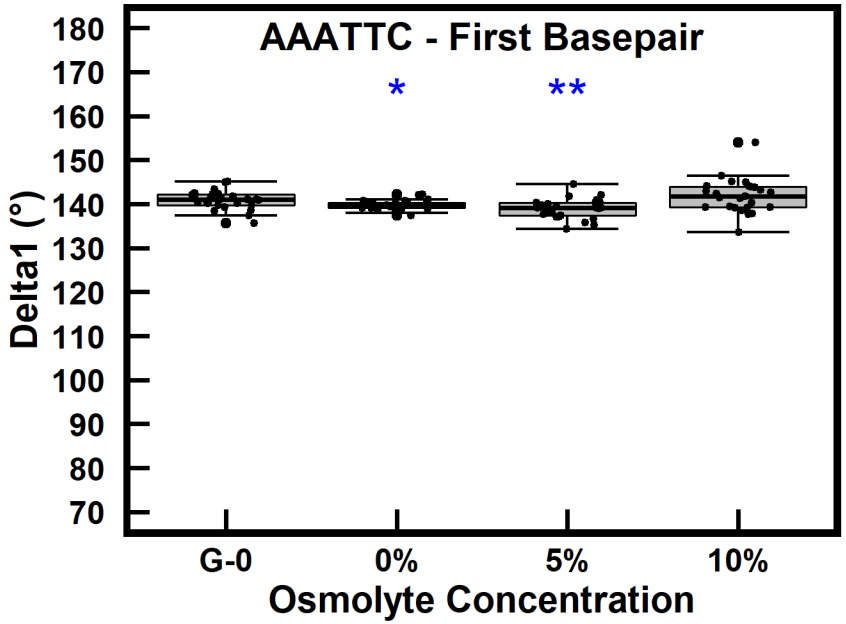
Osmolyte Concentration


AAATTC - First Basepair
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Delta1 (°)
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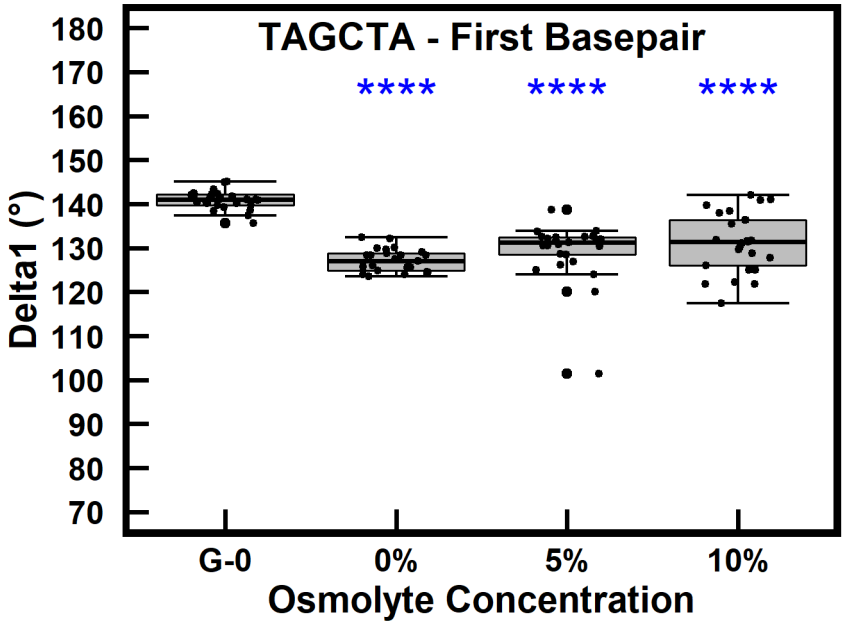
Osmolyte Concentration


TAGCTA - First Basepair
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Delta1 (°)
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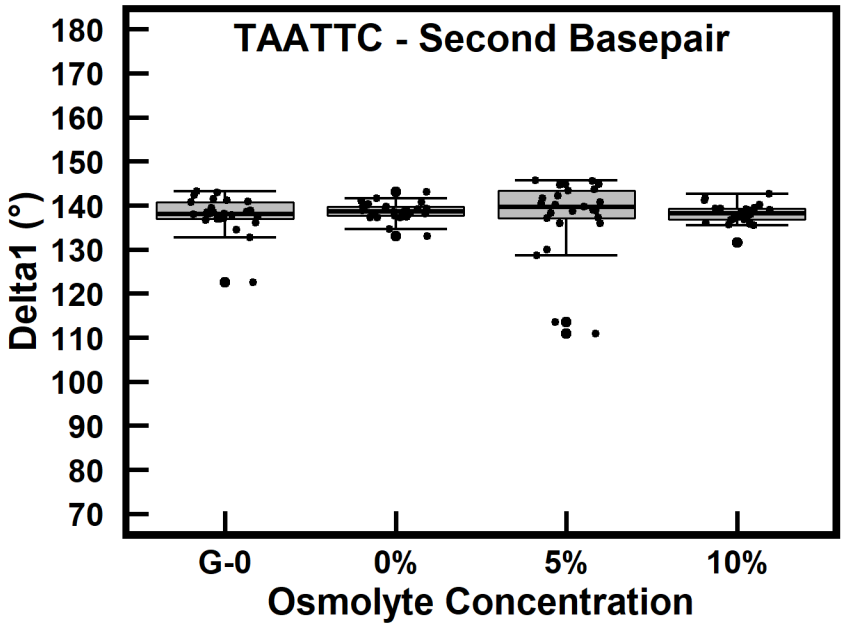
Osmolyte Concentration


TAATTC - Second Basepair
Delta1 (°)
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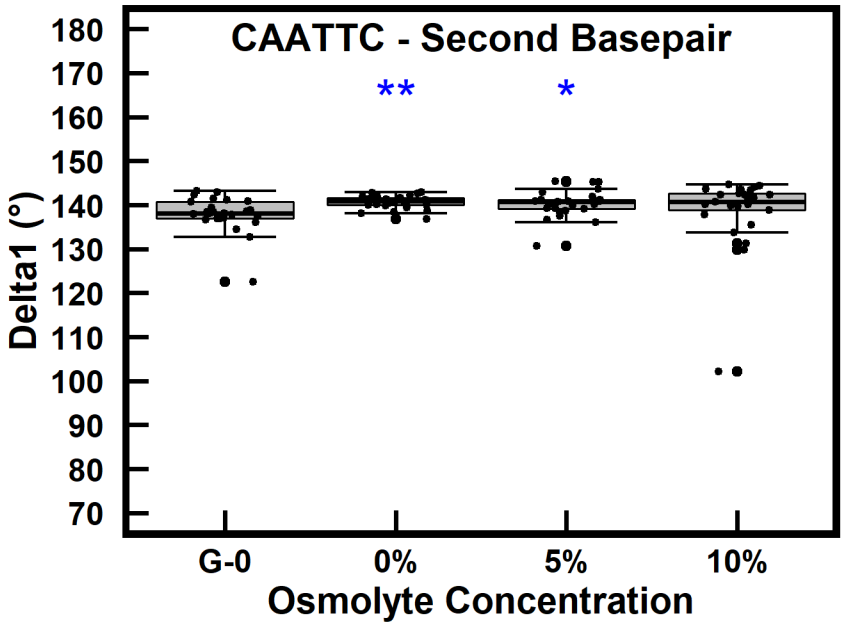
Osmolyte Concentration


CAATTC - Second Basepair
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Delta1 (°)
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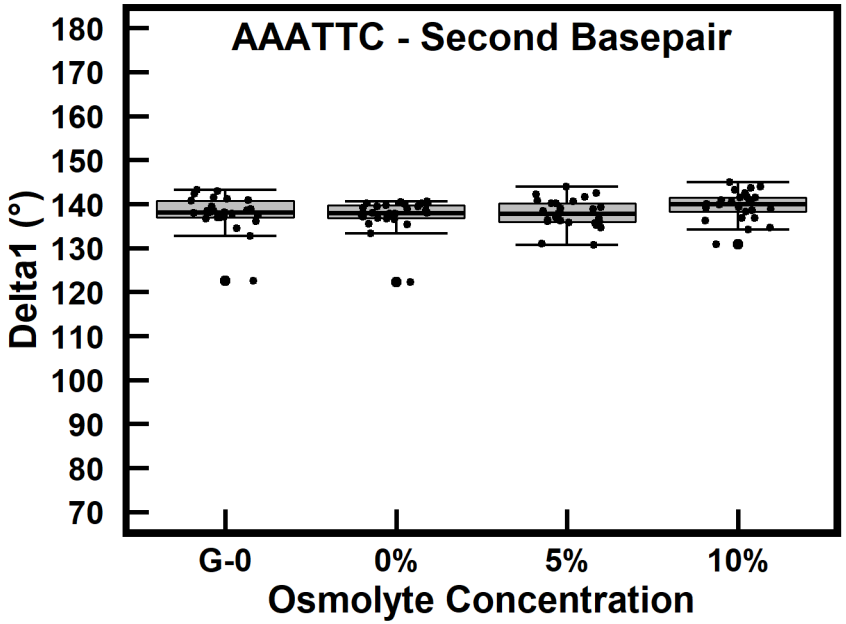
Osmolyte Concentration


AAATTC - Second Basepair
Delta1 (°)
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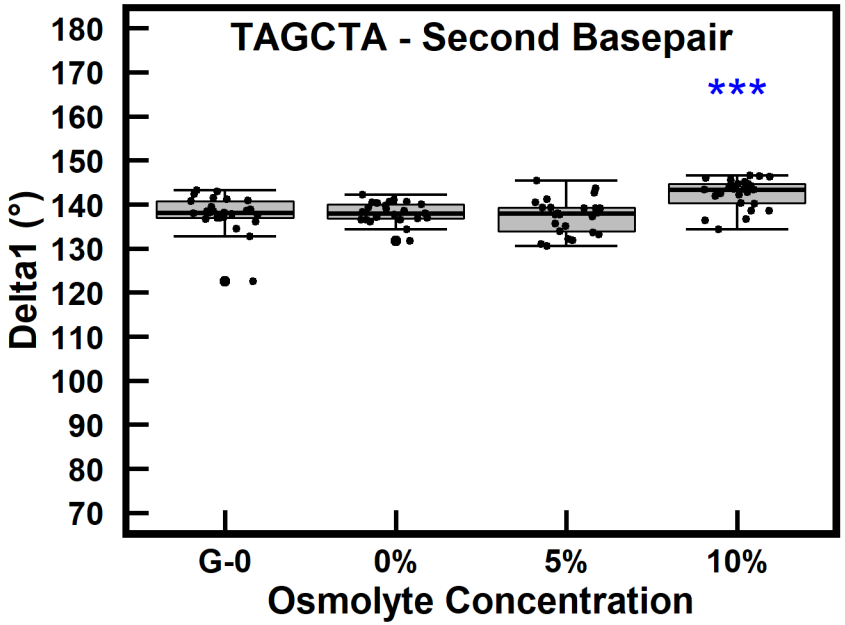
Osmolyte Concentration


TAGCTA - Second Basepair
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Delta1 (°)
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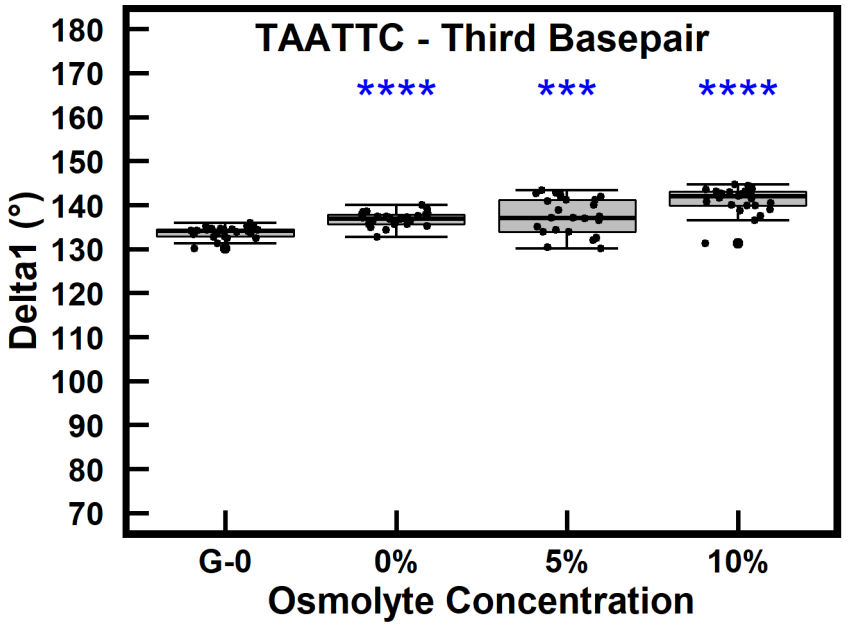
Osmolyte Concentration


TAATTC - Third Basepair
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Delta1 (°)
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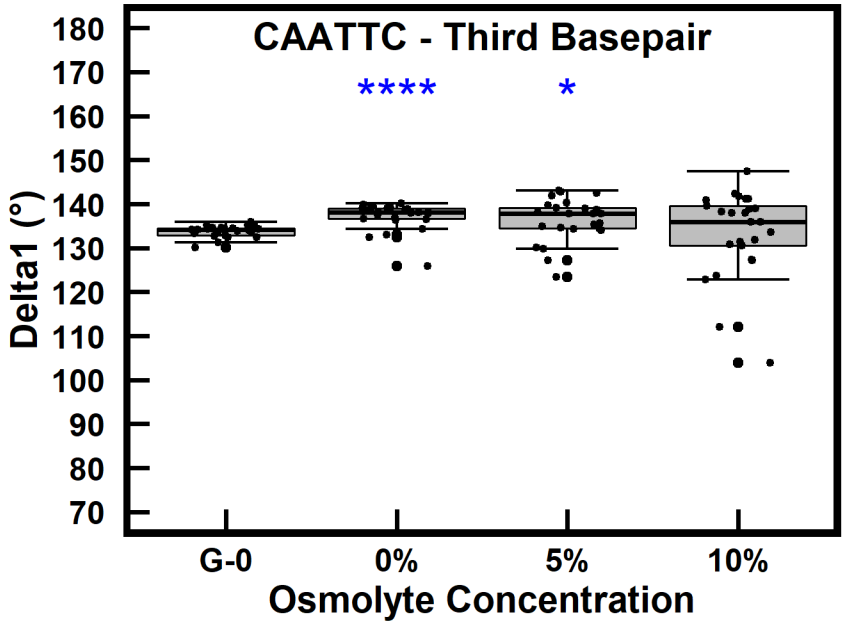
Osmolyte Concentration


CAATTC - Third Basepair
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Delta1 (°)
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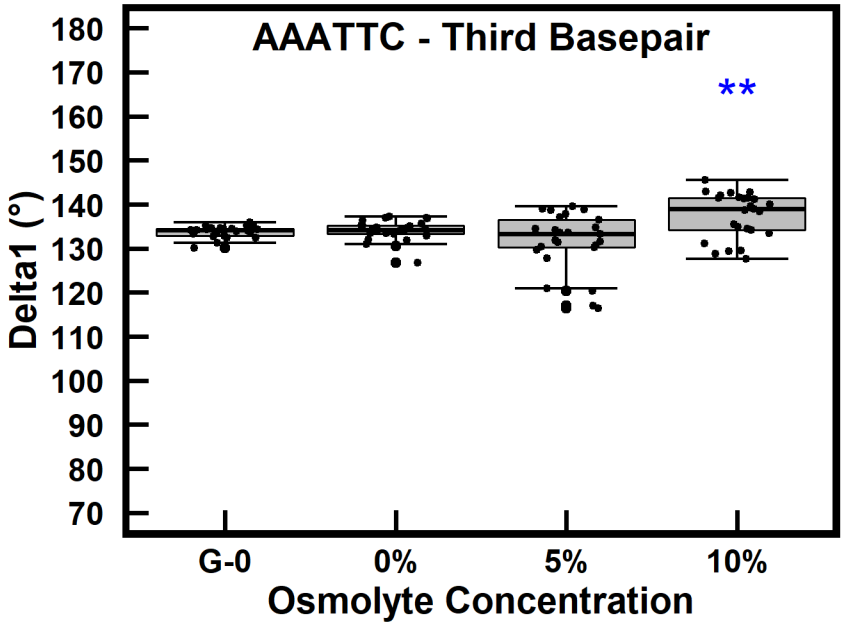
Osmolyte Concentration


AAATTC - Third Basepair
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Delta1 (°)
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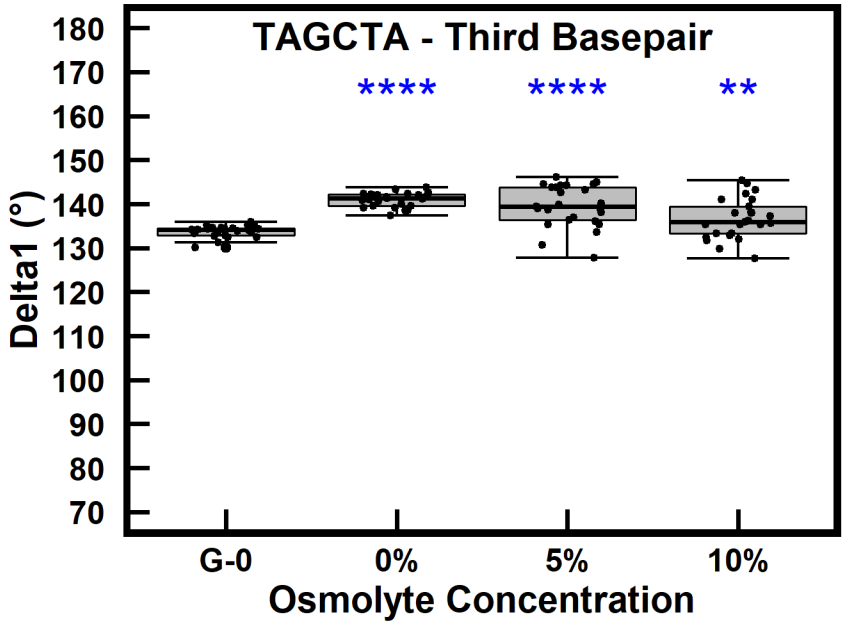
Osmolyte Concentration


TAGCTA - Third Basepair
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Delta1 (°)
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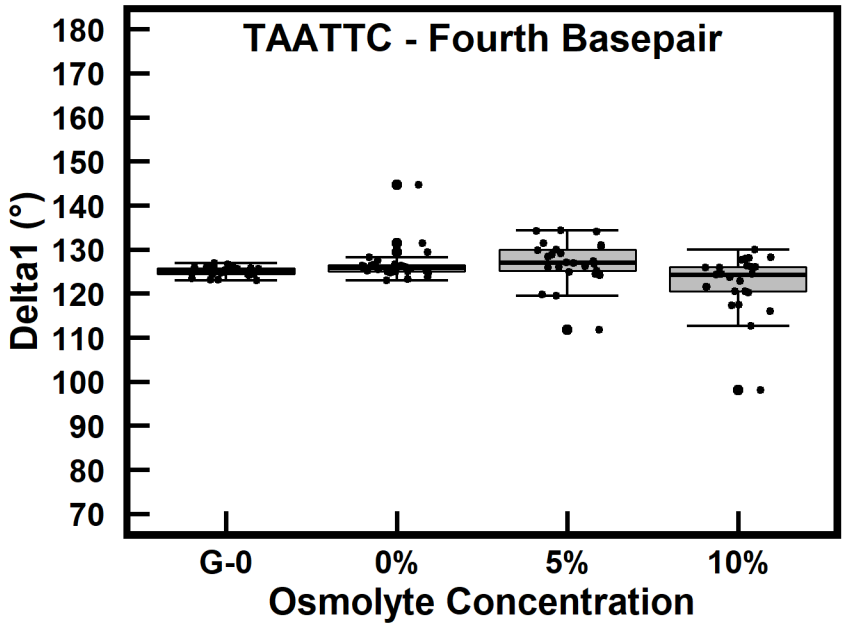
Osmolyte Concentration


TAATTC - Fourth Basepair
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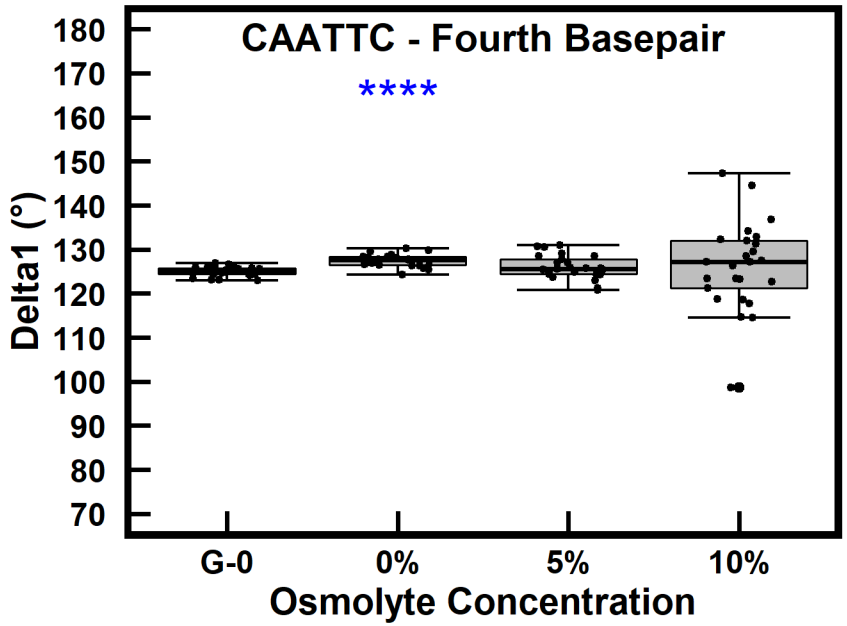
Osmolyte Concentration


CAATTC - Fourth Basepair
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Delta1 (°)
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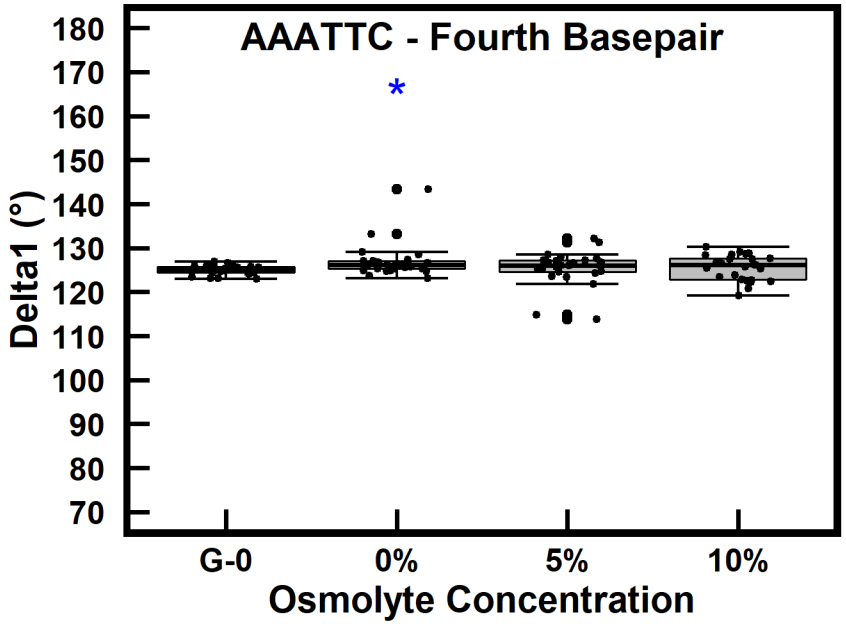
Osmolyte Concentration


AAATTC - Fourth Basepair
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Delta1 (°)
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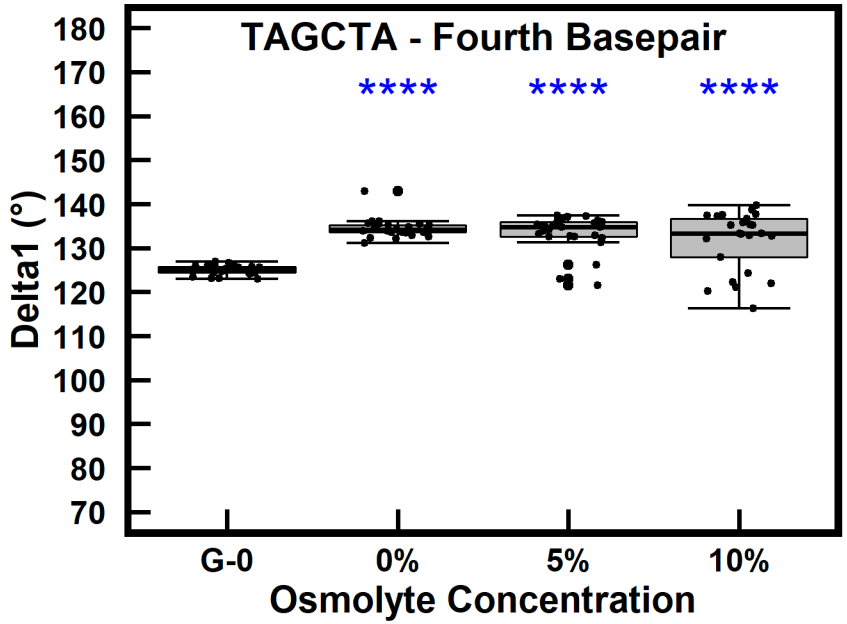
Osmolyte Concentration


TAGCTA - Fourth Basepair
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Delta1 (°)
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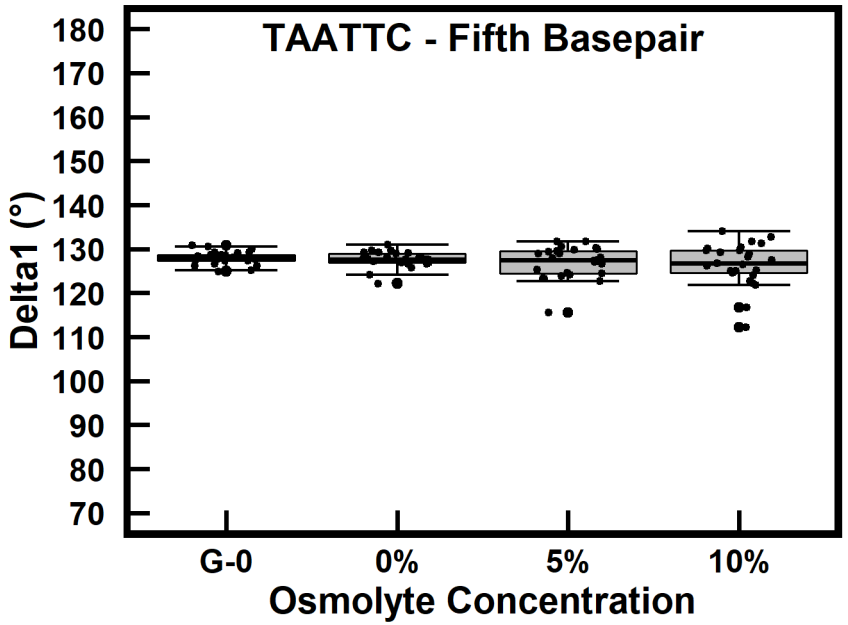
Osmolyte Concentration


TAATTC - Fifth Basepair
Delta1 (°)
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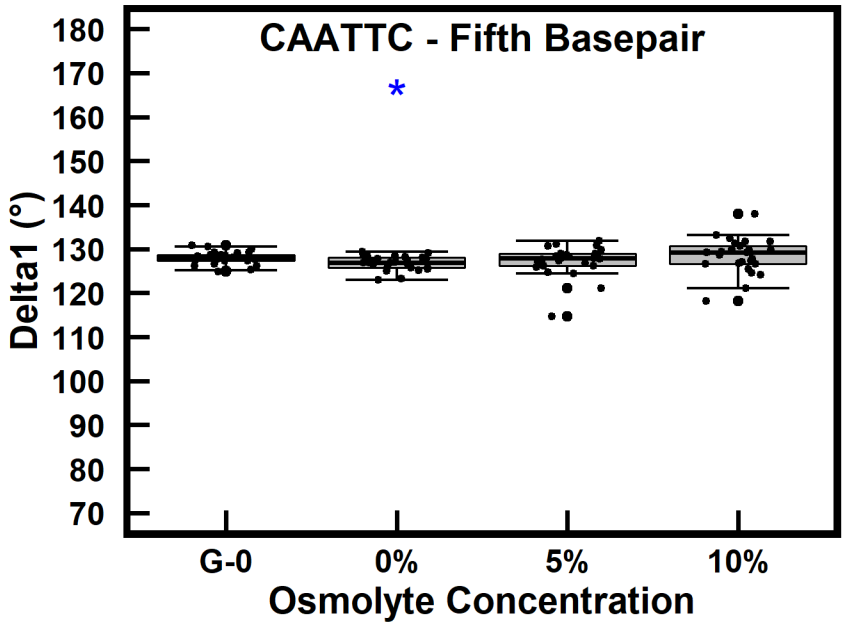
Osmolyte Concentration


CAATTC - Fifth Basepair
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Delta1 (°)
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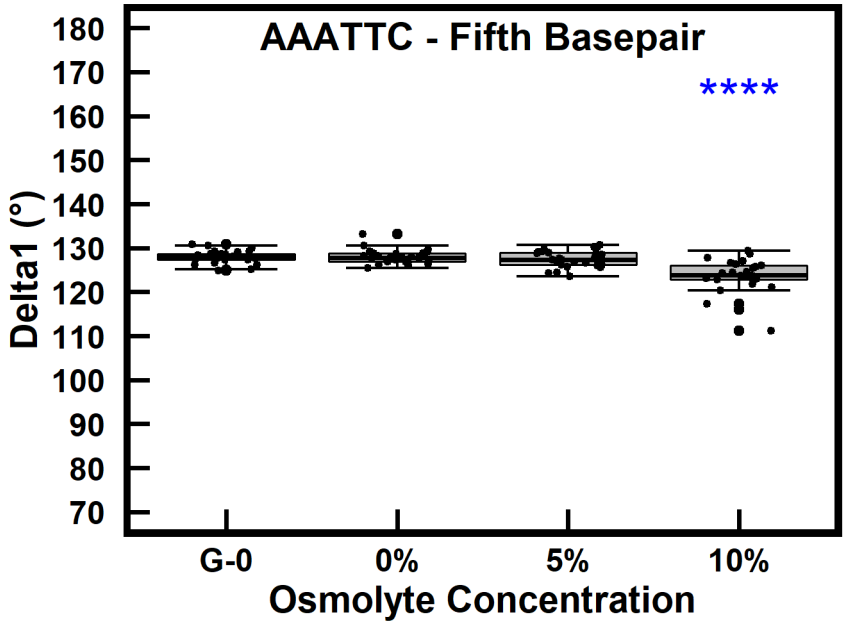
Osmolyte Concentration


AAATTC - Fifth Basepair
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Delta1 (°)
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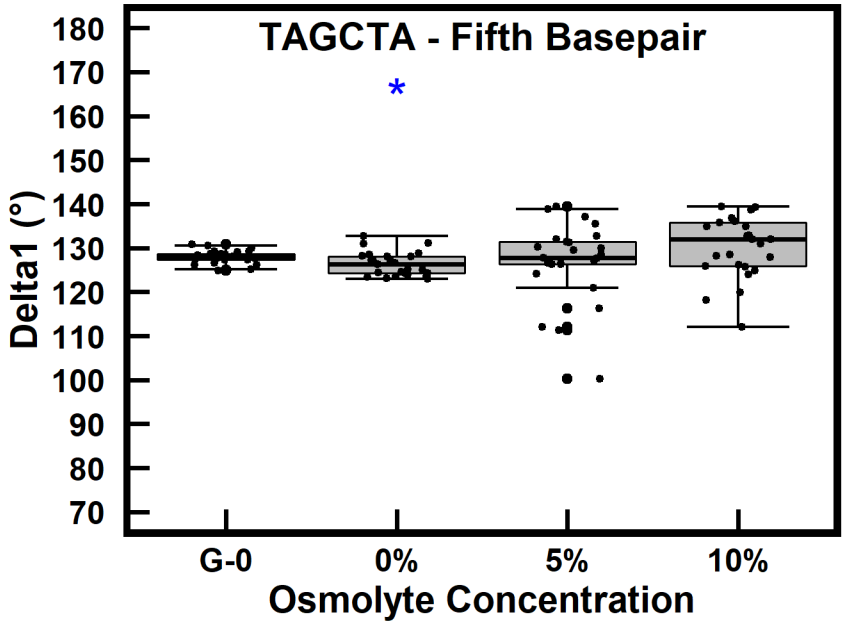
Osmolyte Concentration


TAGCTA - Fifth Basepair
*
Delta1 (°)
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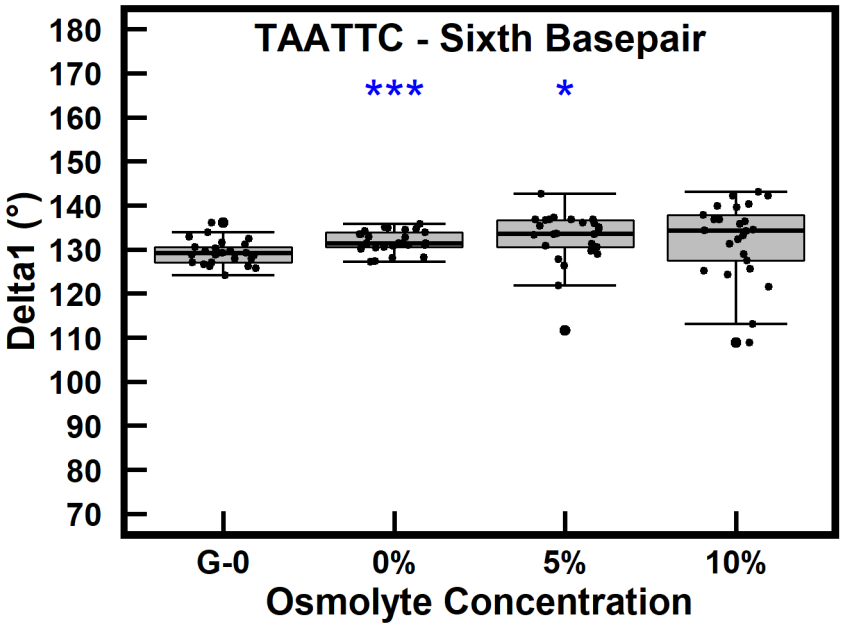
Osmolyte Concentration


TAATTC - Sixth Basepair
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Delta1 (°)
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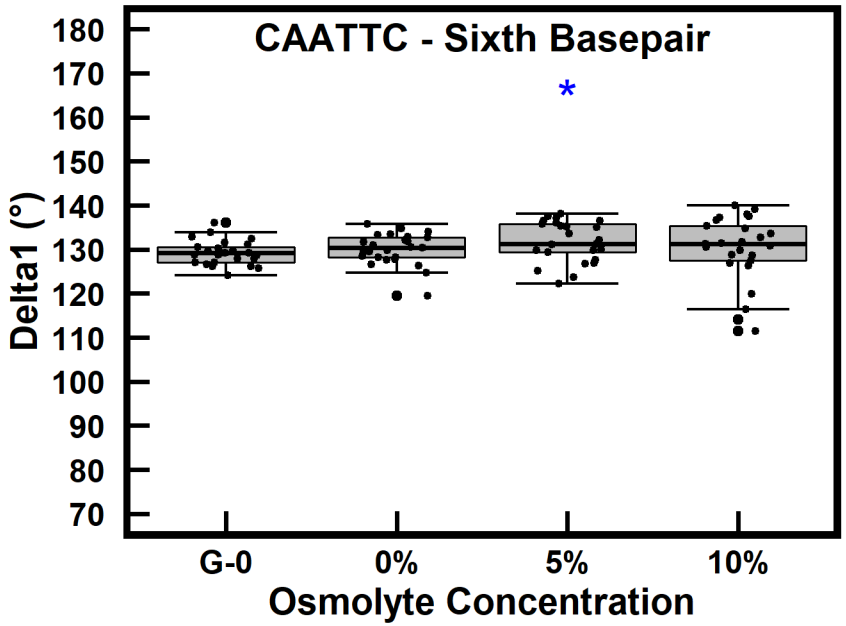
Osmolyte Concentration


CAATTC - Sixth Basepair
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Delta1 (°)
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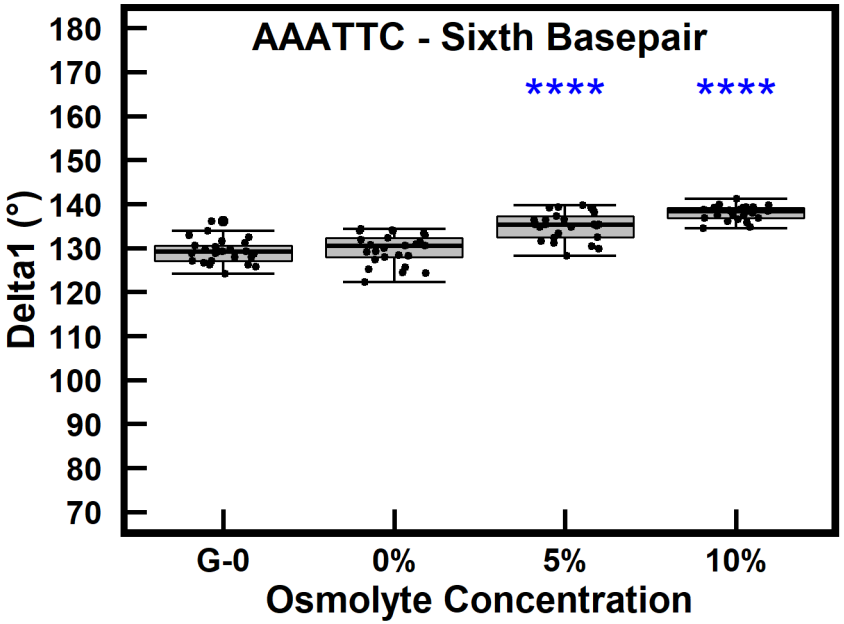
Osmolyte Concentration


AAATTC - Sixth Basepair
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Delta1 (°)
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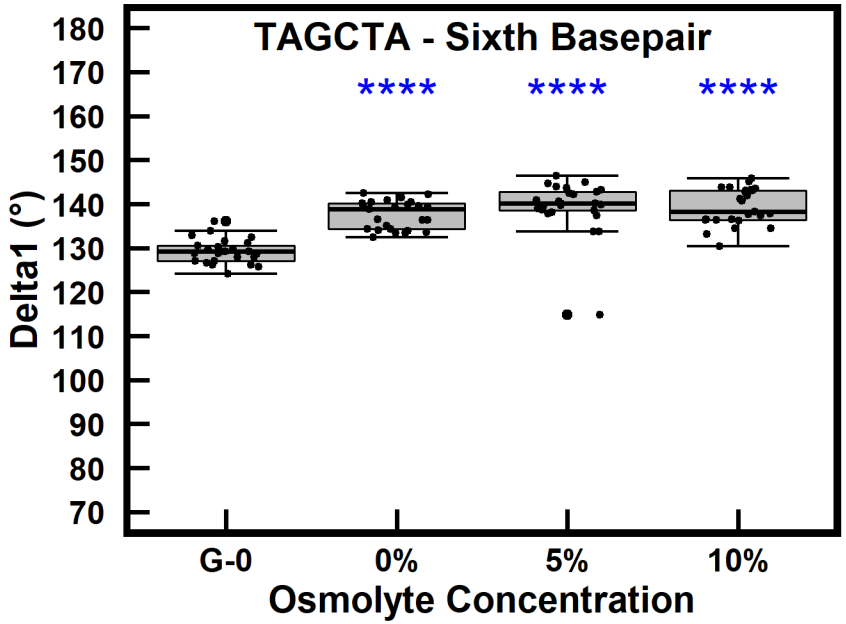
Osmolyte Concentration


TAGCTA - Sixth Basepair
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Delta1 (°)
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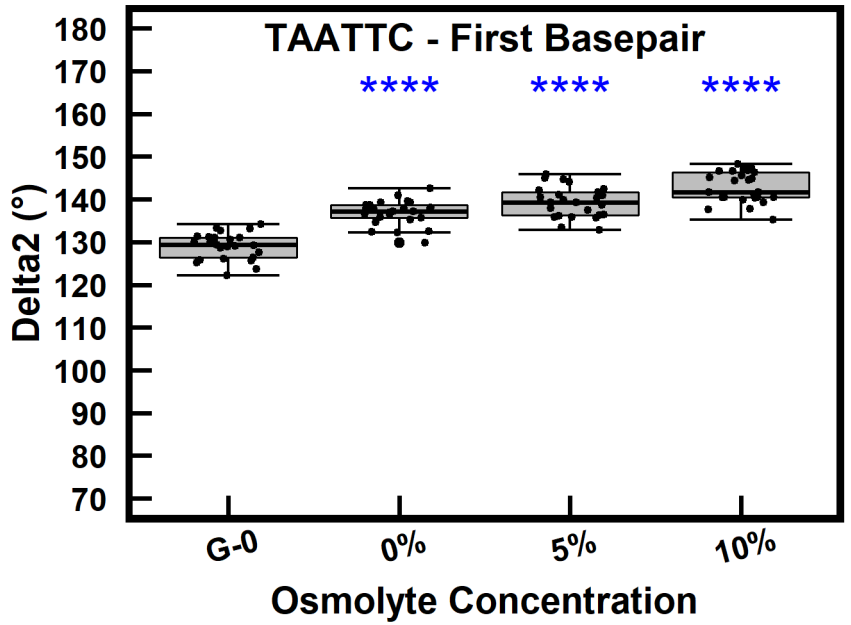
Osmolyte Concentration

Delta2


TAATTC - First Basepair
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Delta2 (°)
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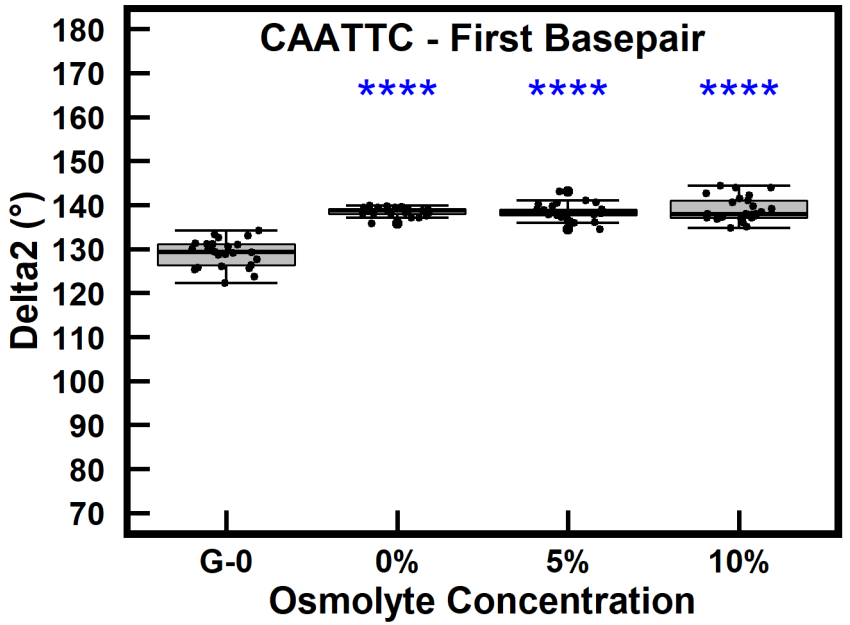
Osmolyte Concentration


CAATTC - First Basepair
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Delta2 (°)
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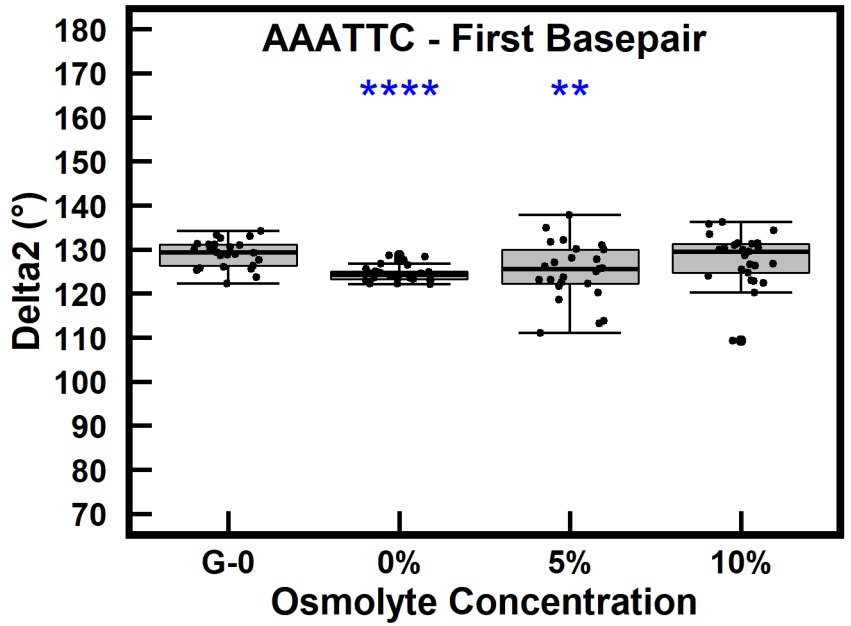
Osmolyte Concentration


AAATTC - First Basepair
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Delta2 (°)
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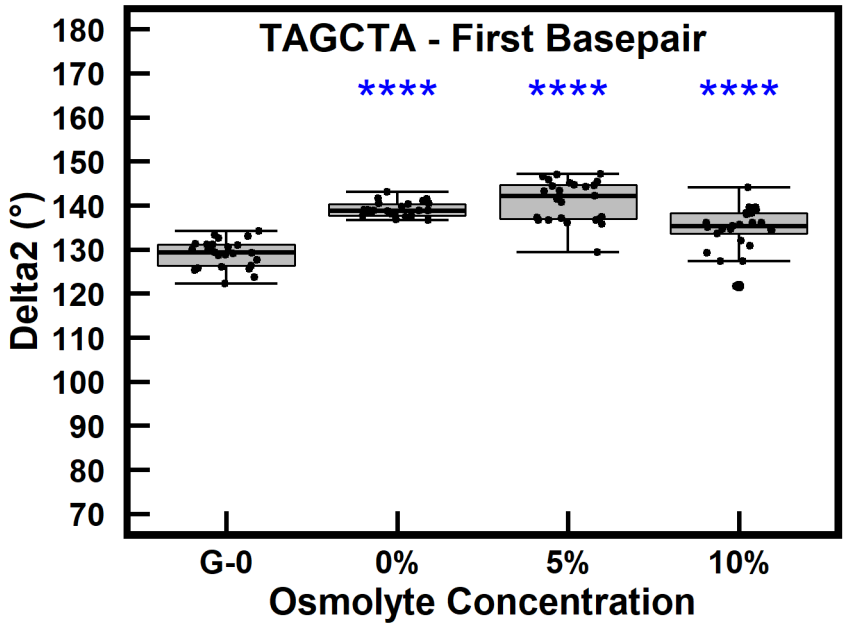
Osmolyte Concentration


TAGCTA - First Basepair
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Delta2 (°)
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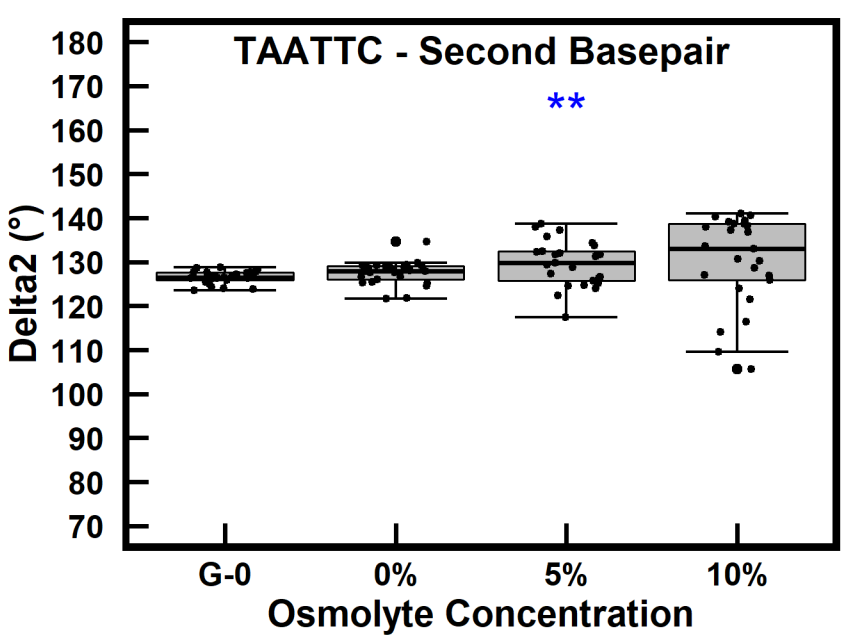
Osmolyte Concentration


TAATTC - Second Basepair
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Delta2 (°)
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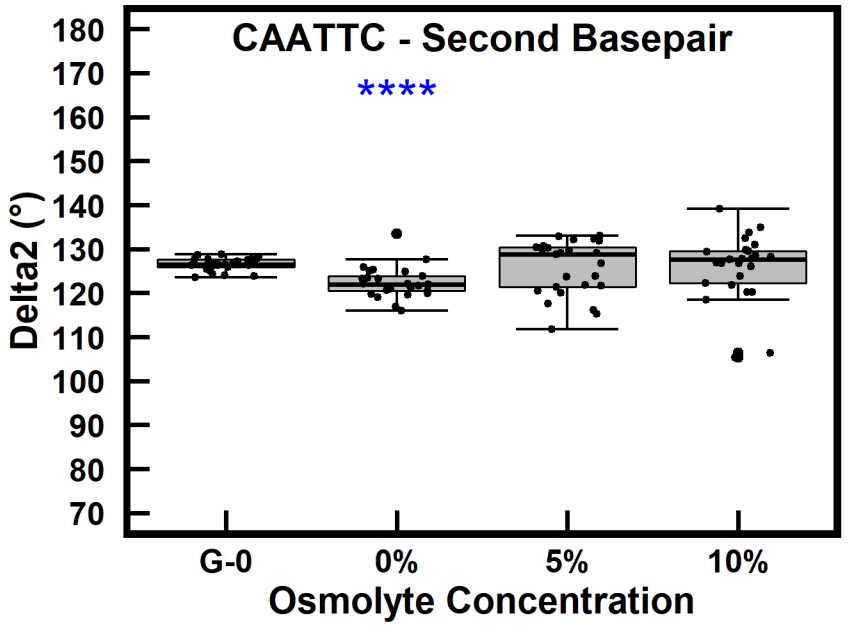
Osmolyte Concentration


CAATTC - Second Basepair
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Delta2 (°)
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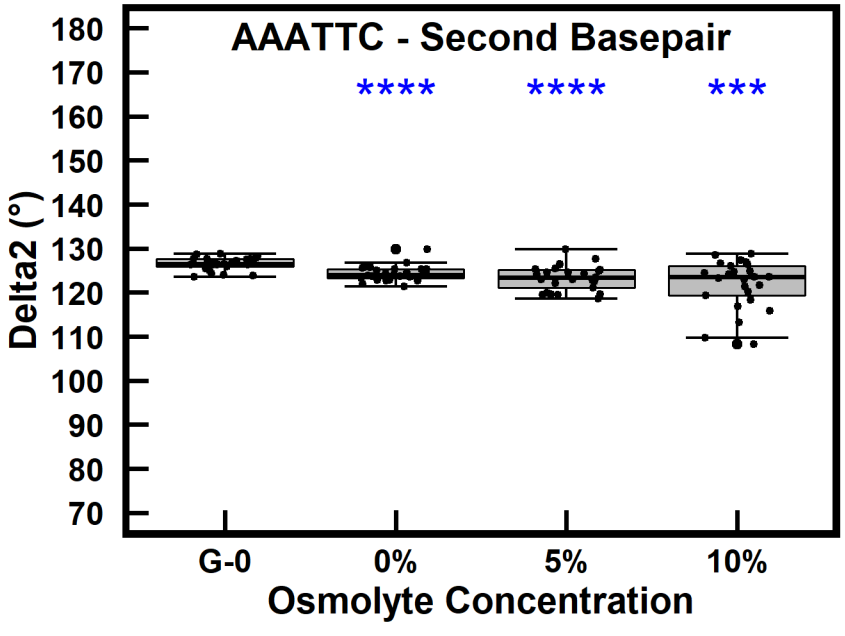
Osmolyte Concentration


AAATTC - Second Basepair
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Delta2 (°)
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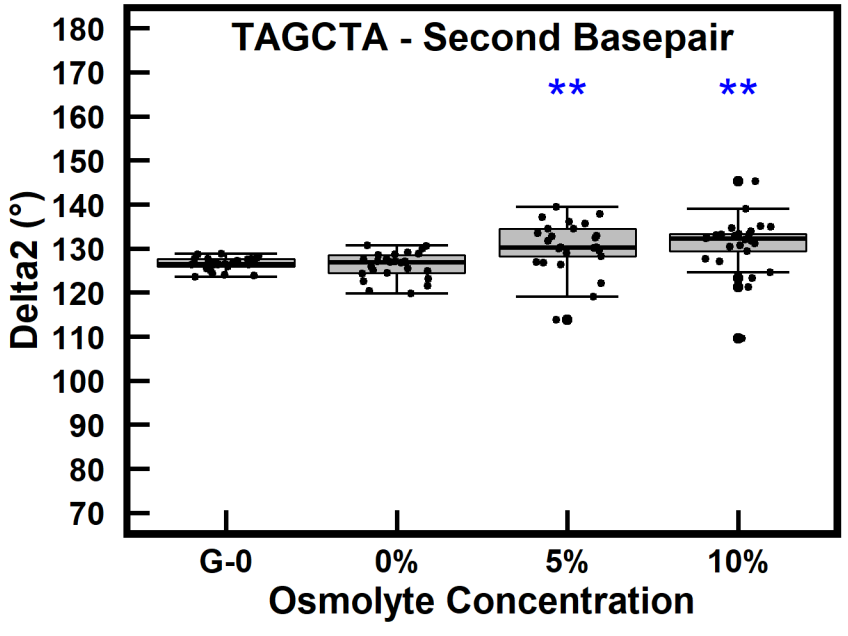
Osmolyte Concentration


TAGCTA - Second Basepair
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Delta2 (°)
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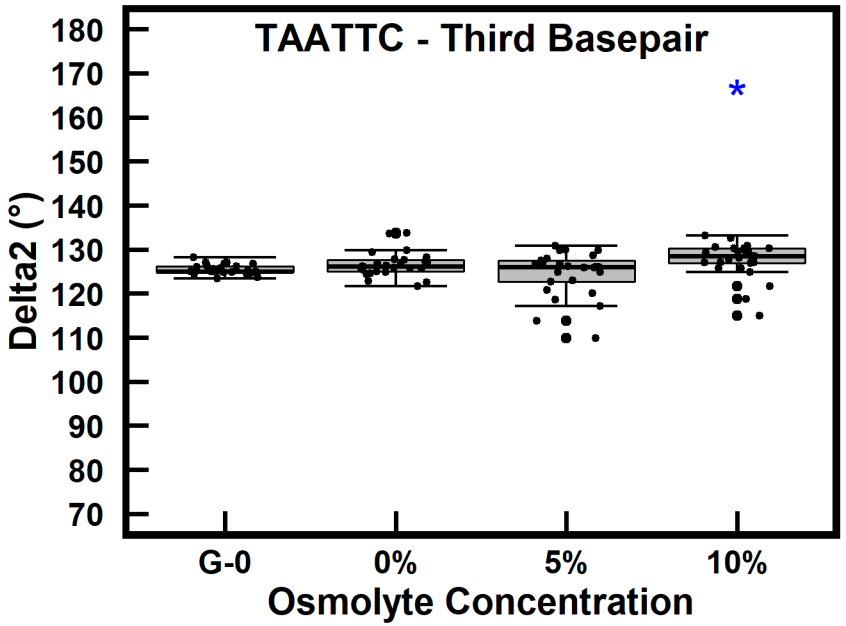
Osmolyte Concentration


TAATTC - Third Basepair
Delta2 (°)
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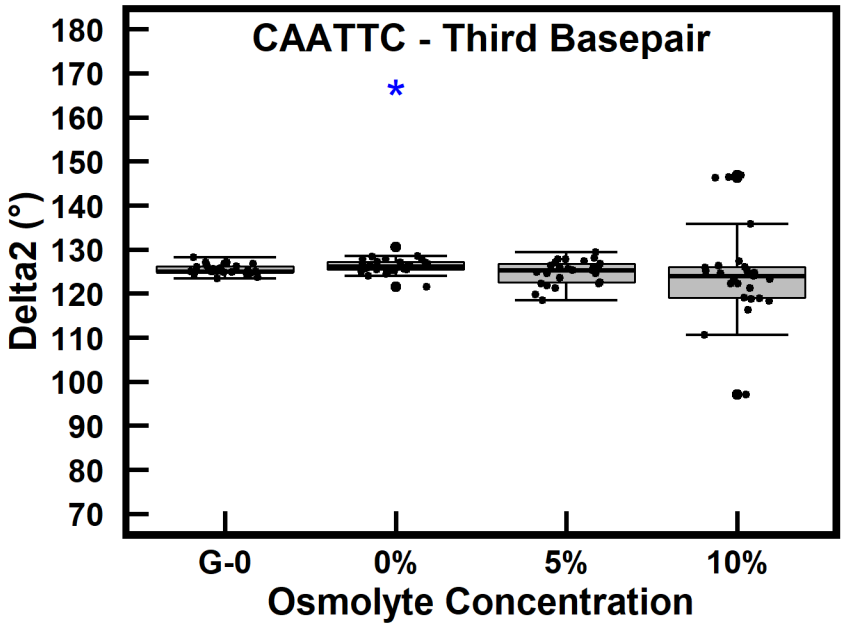
Osmolyte Concentration


CAATTC - Third Basepair
Delta2 (°)
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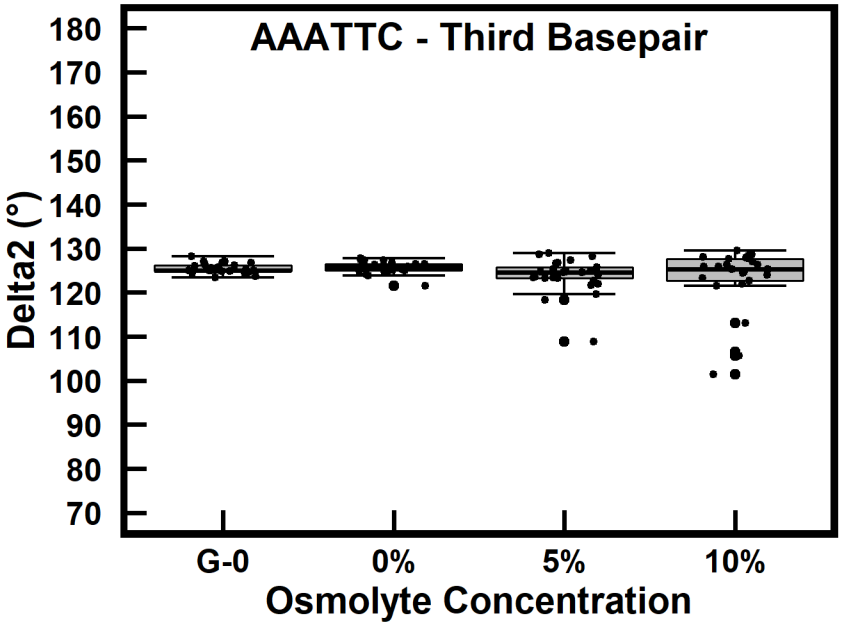
Osmolyte Concentration


AAATTC - Third Basepair
Delta2 (°)
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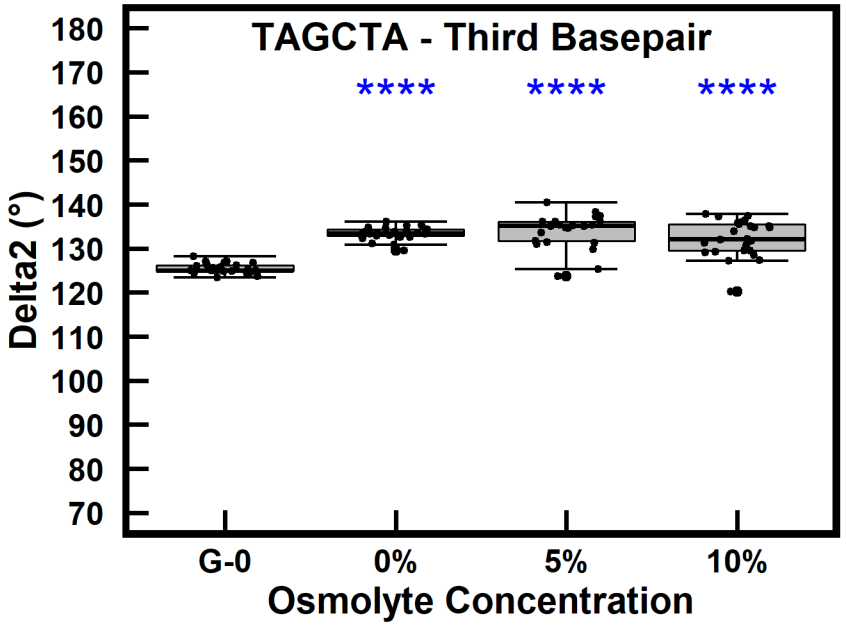
Osmolyte Concentration


TAGCTA - Third Basepair
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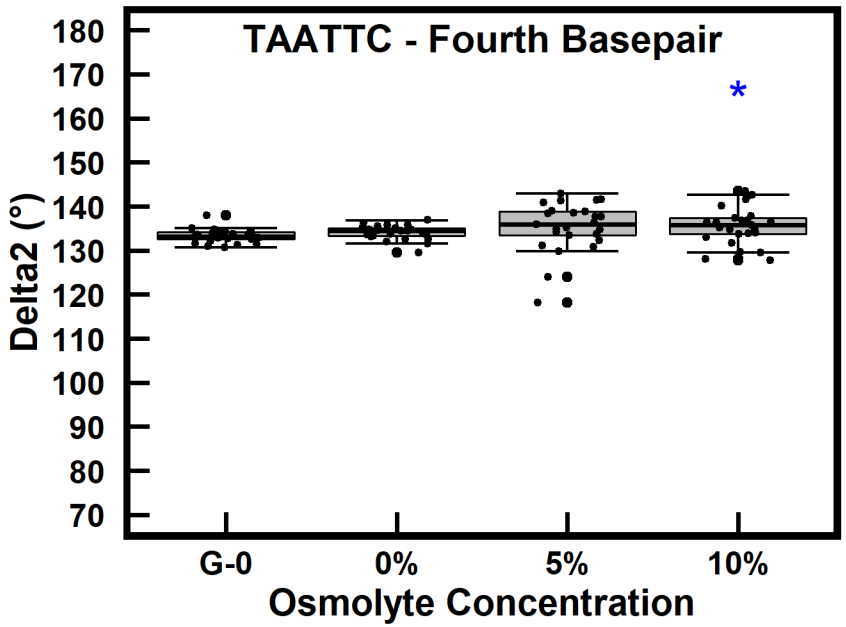
TAATTC - Fourth Basepair
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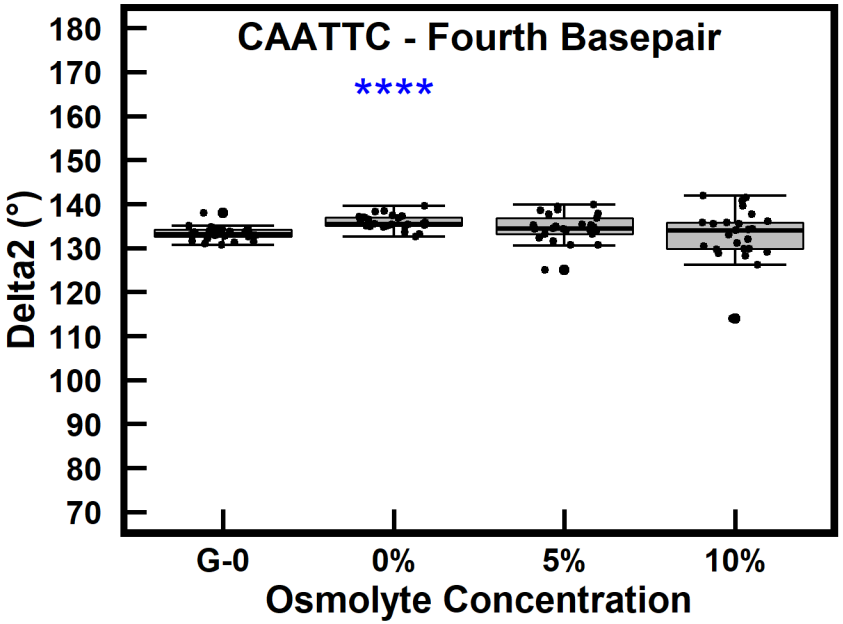
Osmolyte Concentration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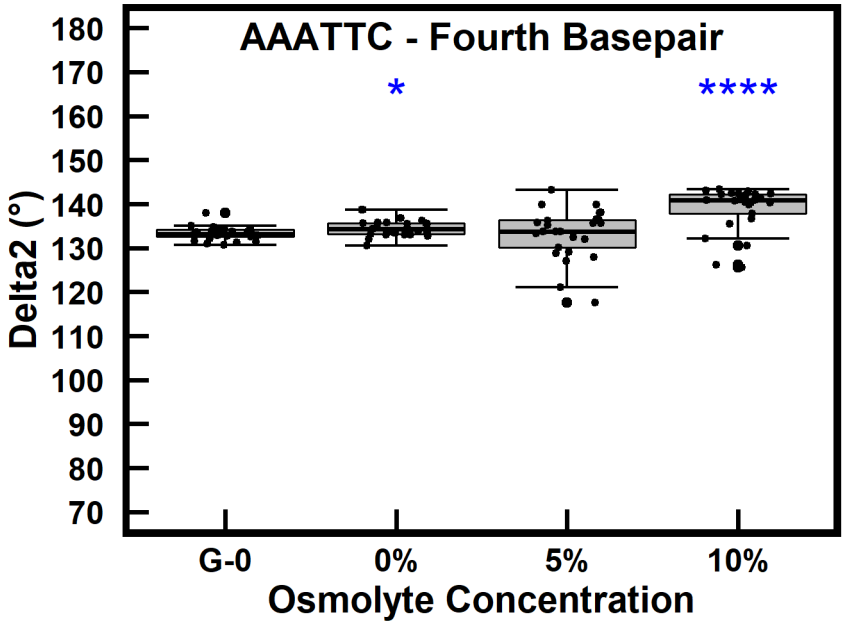
AAATTC - Fourth Basepair
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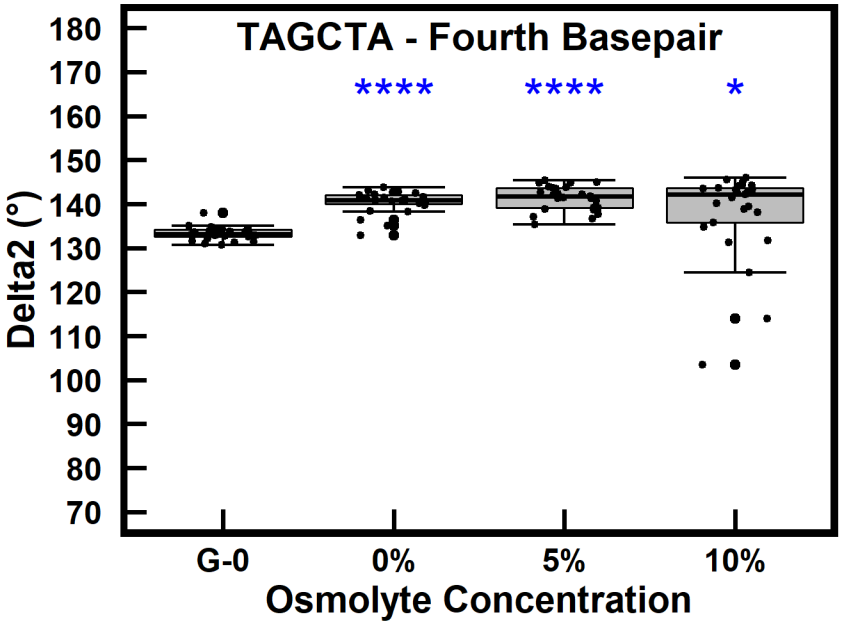
Osmolyte Concentration


TAGCTA - Fourth Basepair
Delta2 (°)
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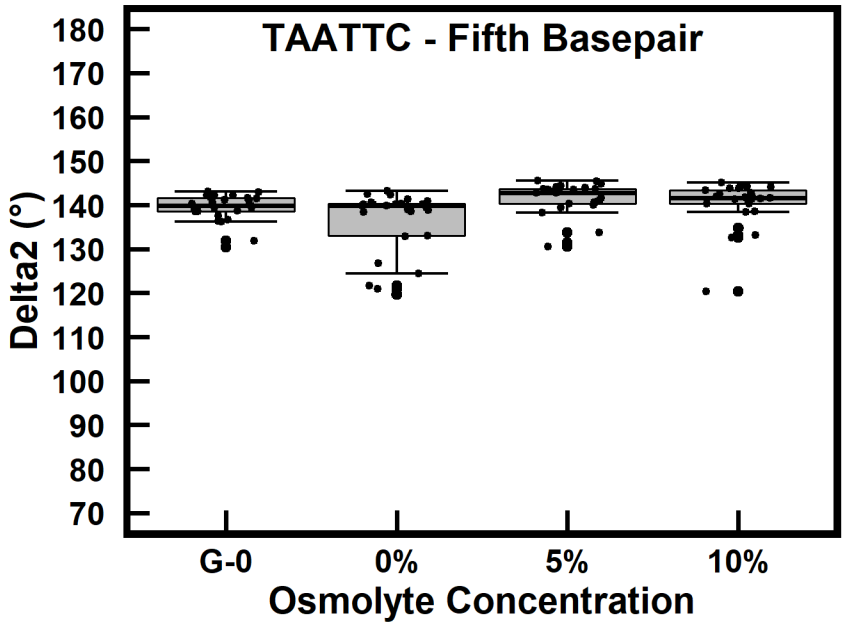
TAATTC - Fifth Basepair
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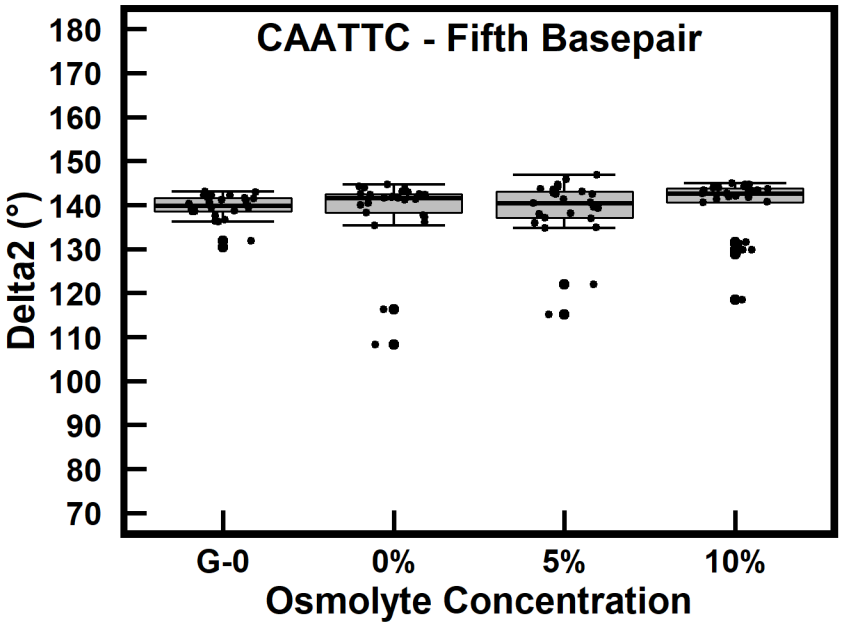
Osmolyte Concentration


CAATTC - Fifth Basepair
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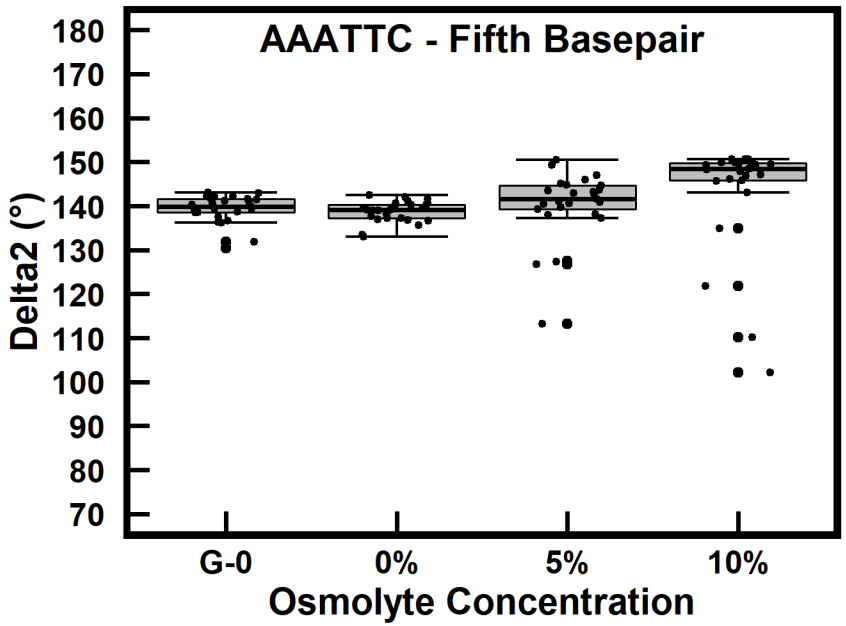
Osmolyte Concentration


AAATTC - Fifth Basepair
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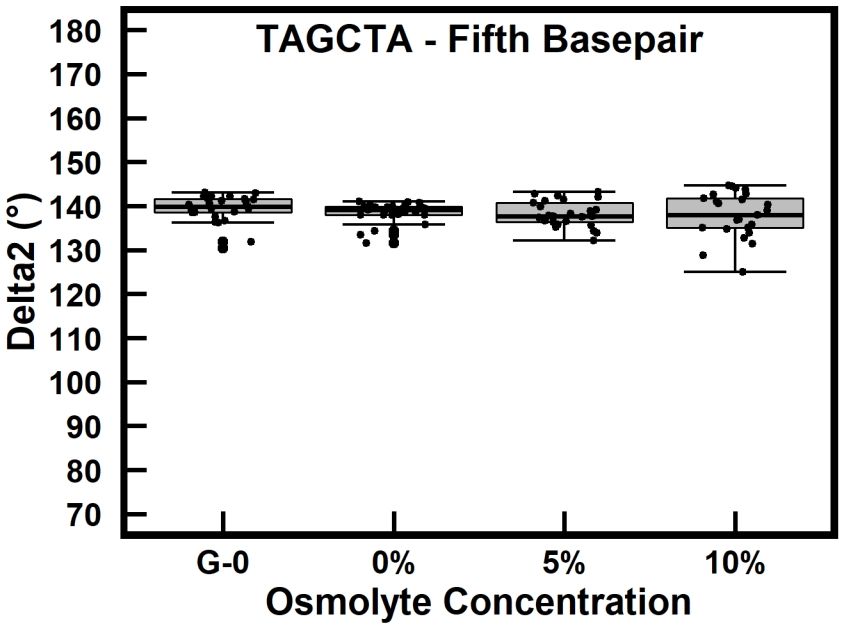
TAGCTA - Fifth Basepair
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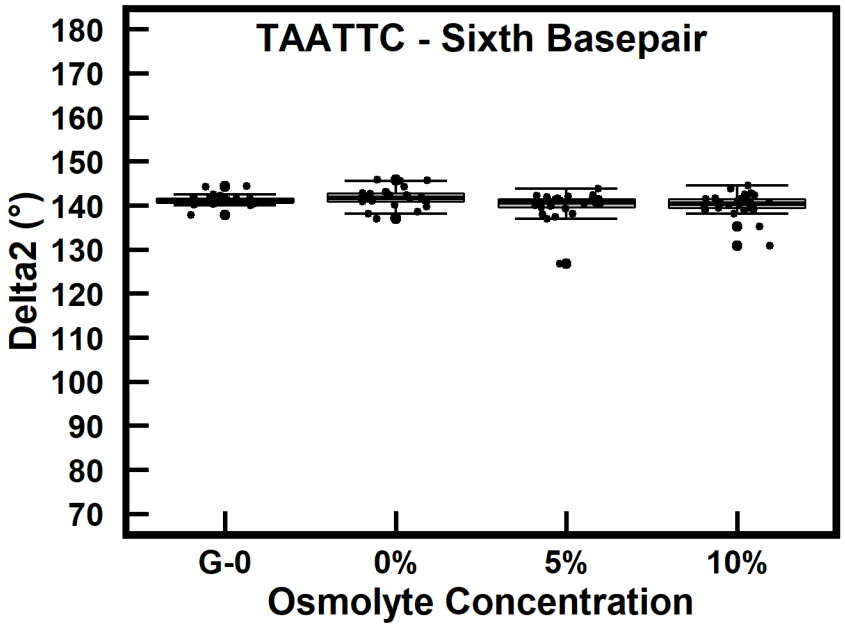
Osmolyte Concentration


TAATTC - Sixth Basepair
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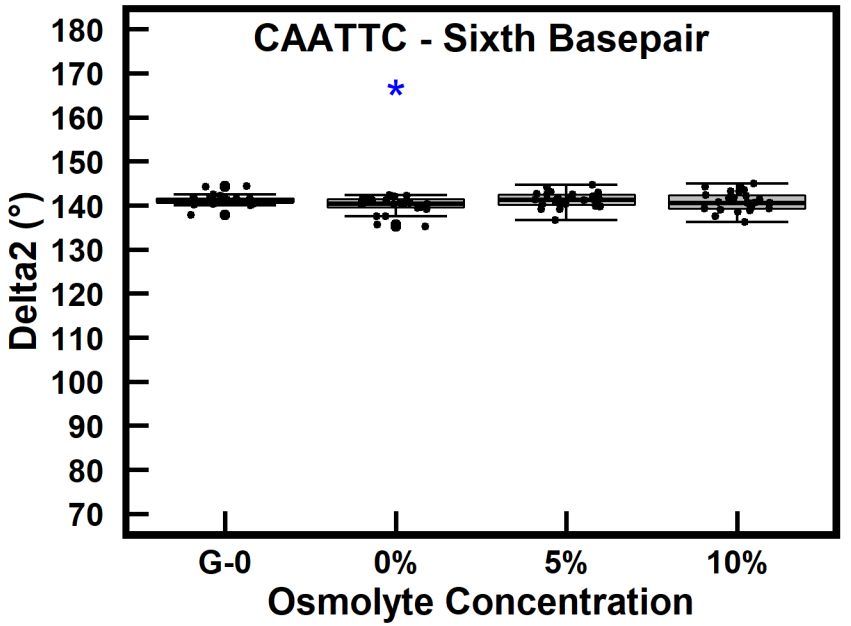
Osmolyte Concentration


CAATTC - Sixth Basepair
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Delta2 (°)
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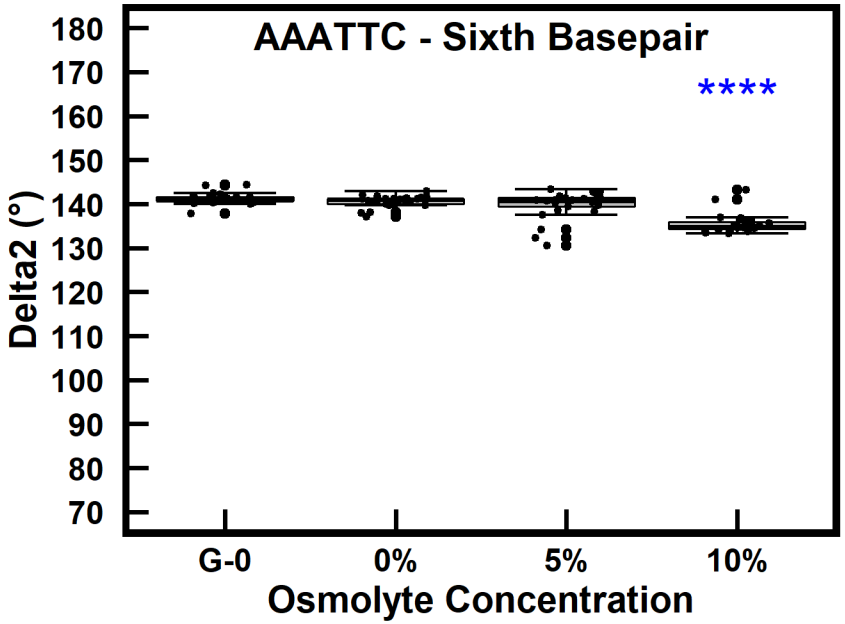
Osmolyte Concentration


AAATTC - Sixth Basepair
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Delta2 (°)
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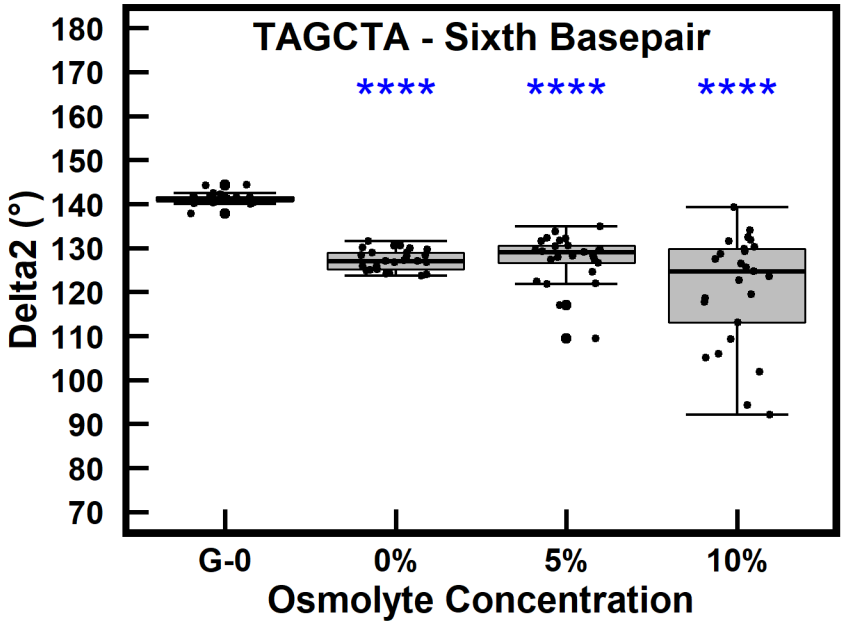
Osmolyte Concentration


TAGCTA - Sixth Basepair
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Delta2 (°)
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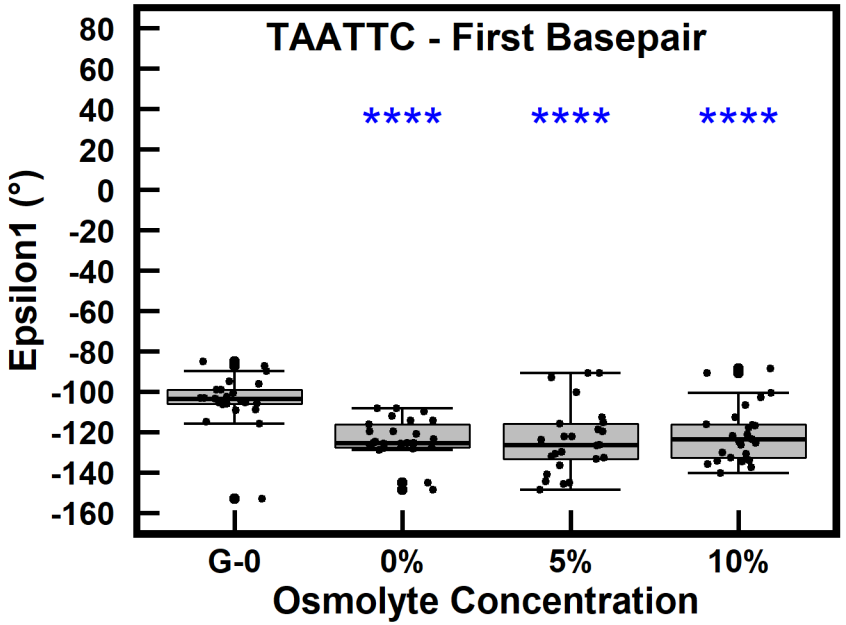
Osmolyte Concentration

Epsilon1


TAATTC - First Basepair
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Epsilon1 (°)
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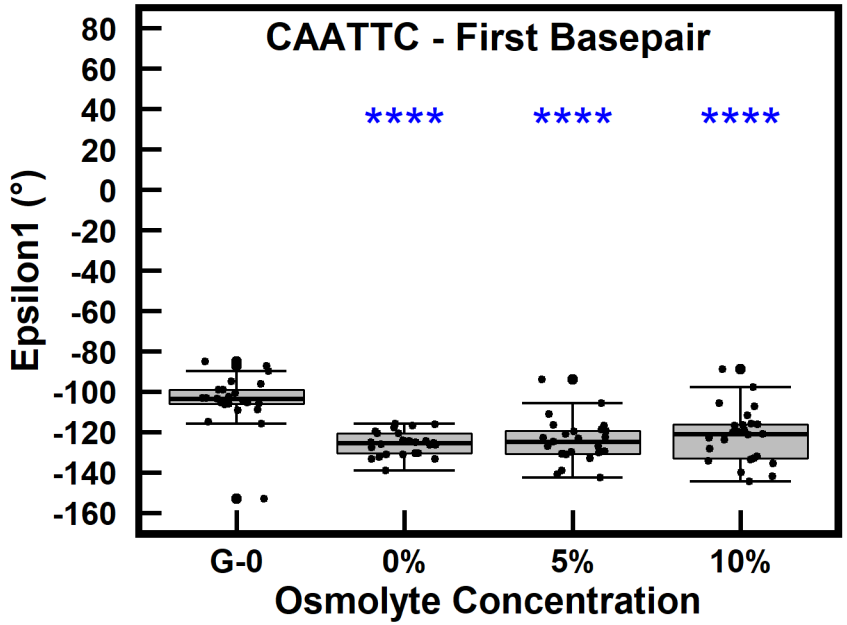
Osmolyte Concentration


CAATTC - First Basepair
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Epsilon1 (°)
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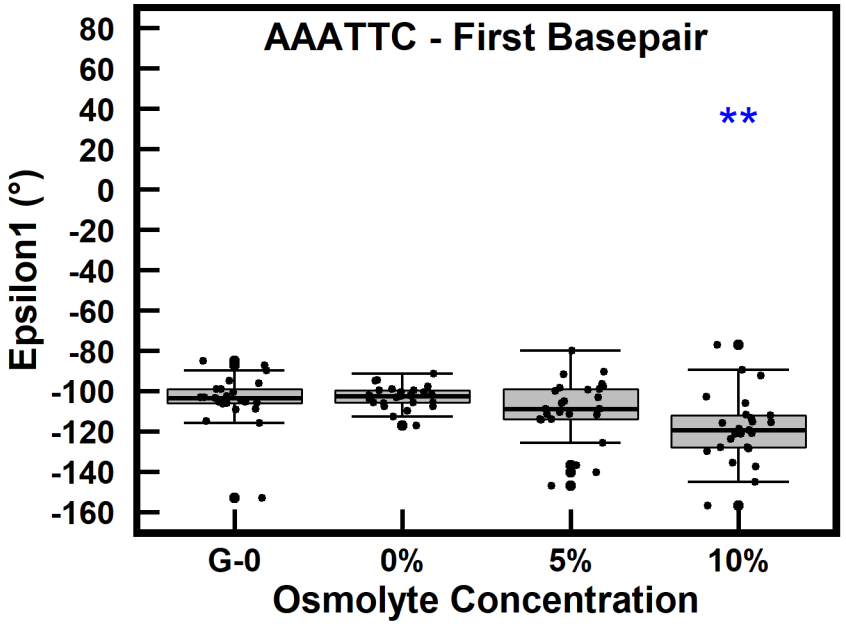
Osmolyte Concentration


AAATTC - First Basepair
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Epsilon1 (°)
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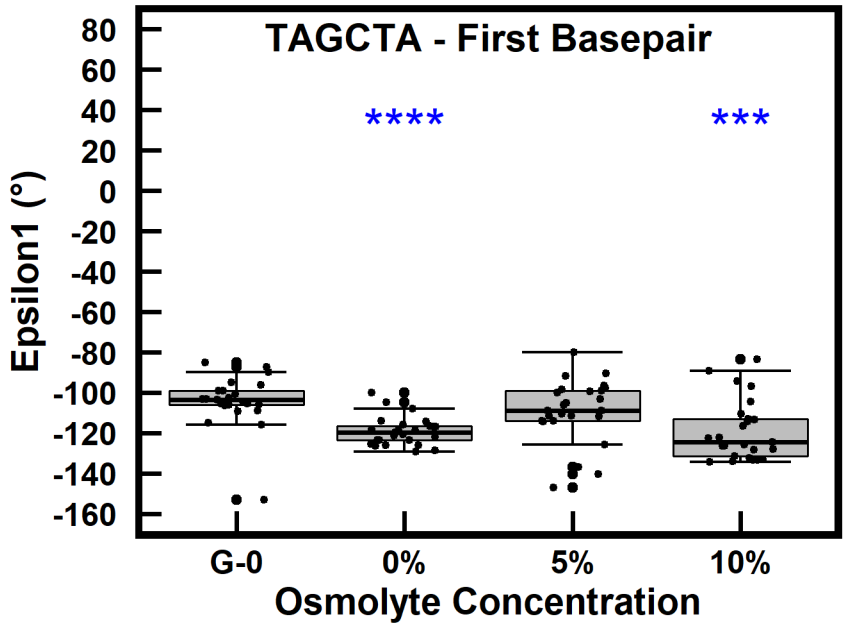
Osmolyte Concentration


TAGCTA - First Basepair
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Epsilon1 (°)
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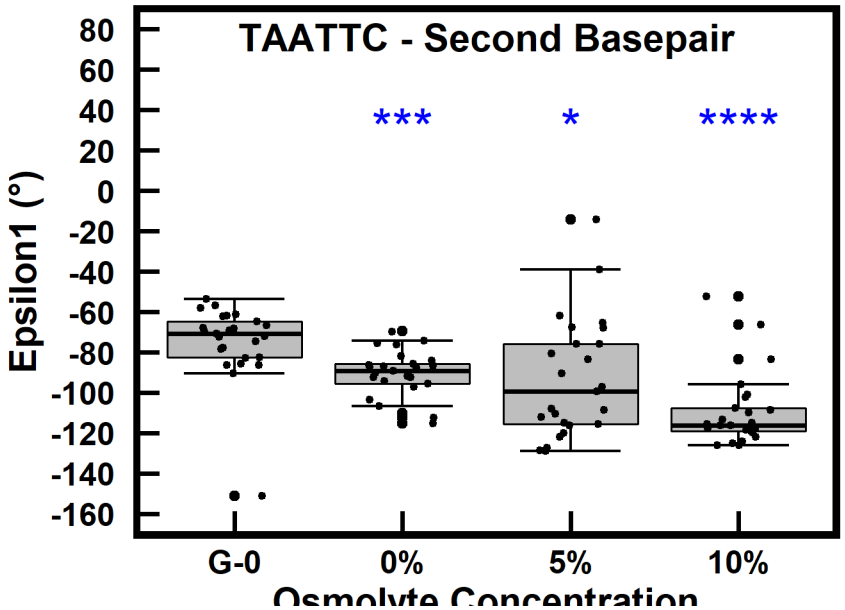
Osmolyte Concentration


TAATTC - Second Basepair
Epsilon1 (°)
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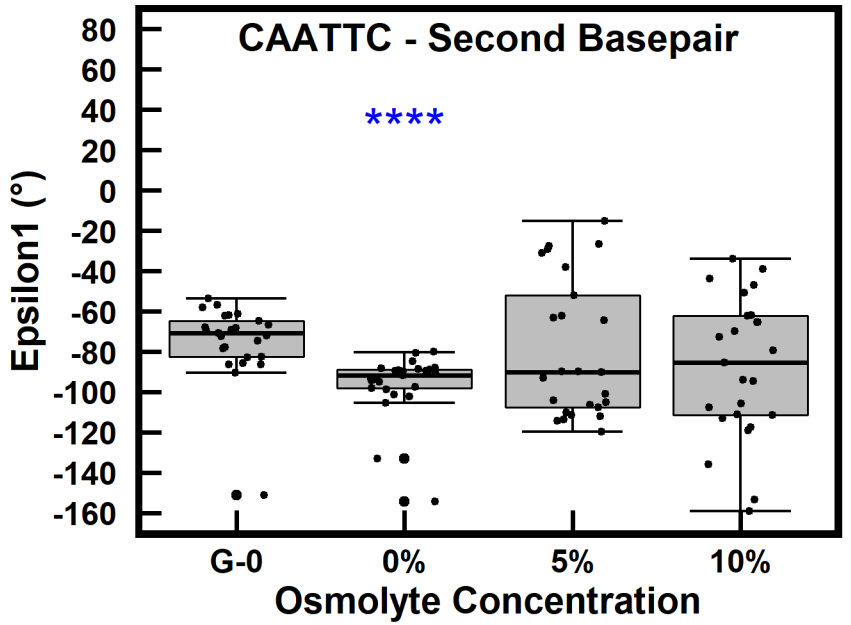
Osmolyte Concentration


CAATTC - Second Basepair
Epsilon1 (°)
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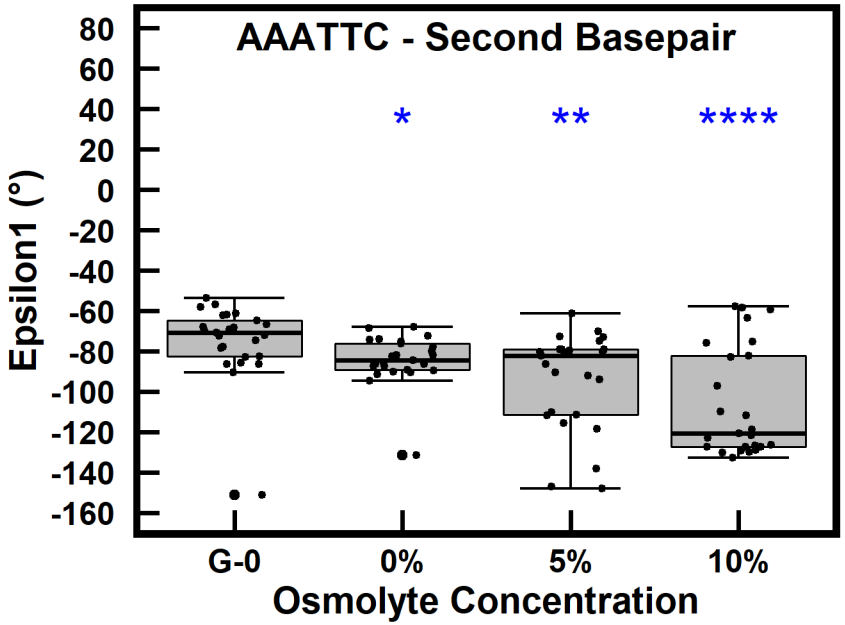
Osmolyte Concentration


AAATTC - Second Basepair
Epsilon1 (°)
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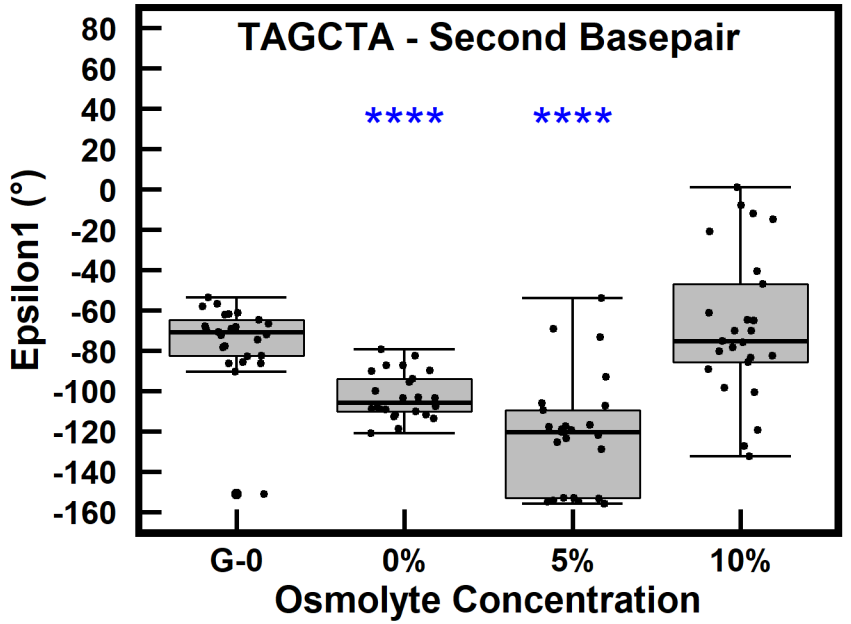
Osmolyte Concentration


TAGCTA - Second Basepair
Epsilon1 (°)
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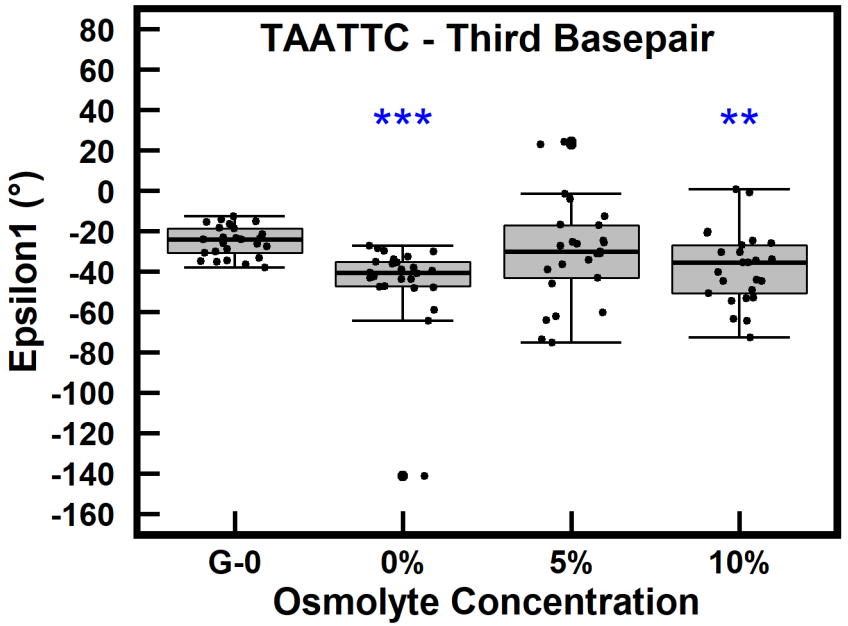
Osmolyte Concentration


TAATTC - Third Basepair
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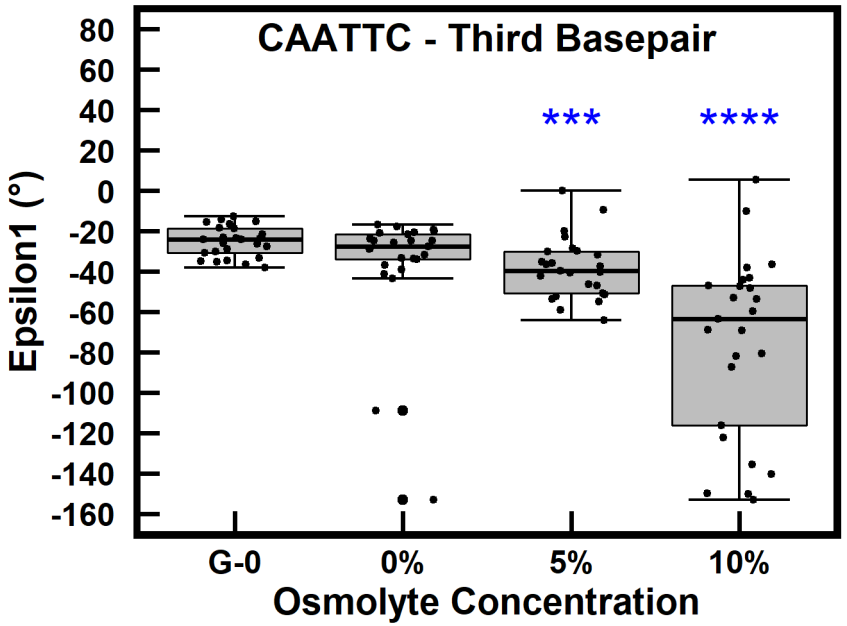
CAATTC - Third Basepair
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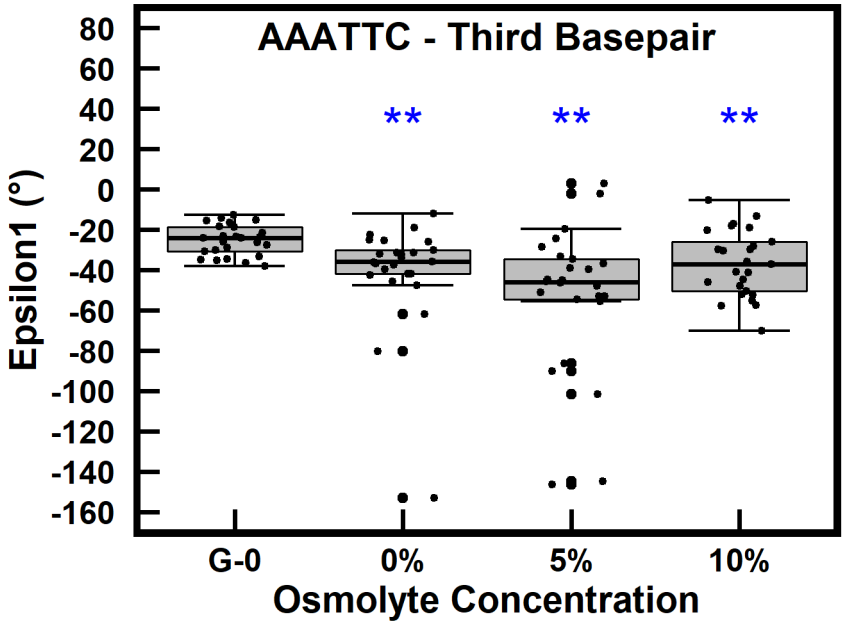
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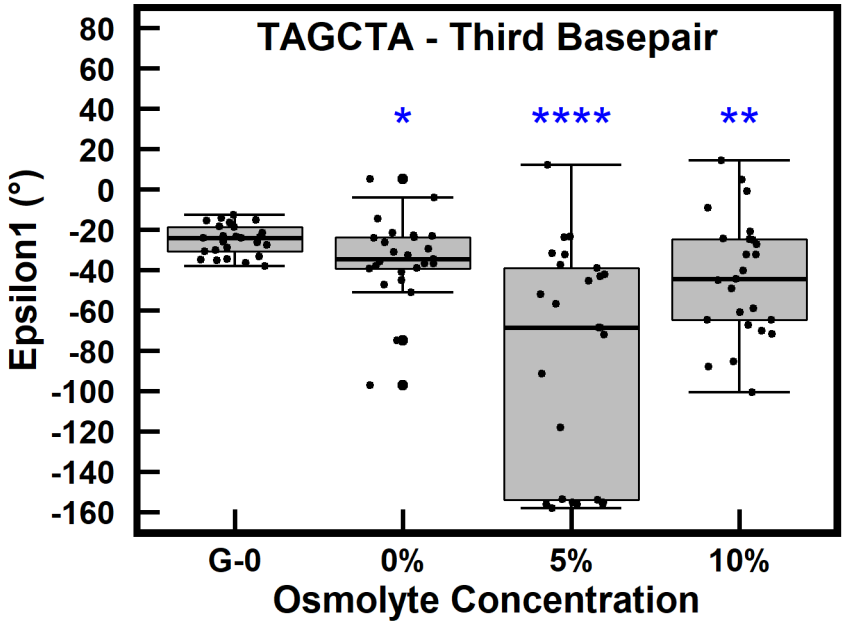
Osmolyte Concentration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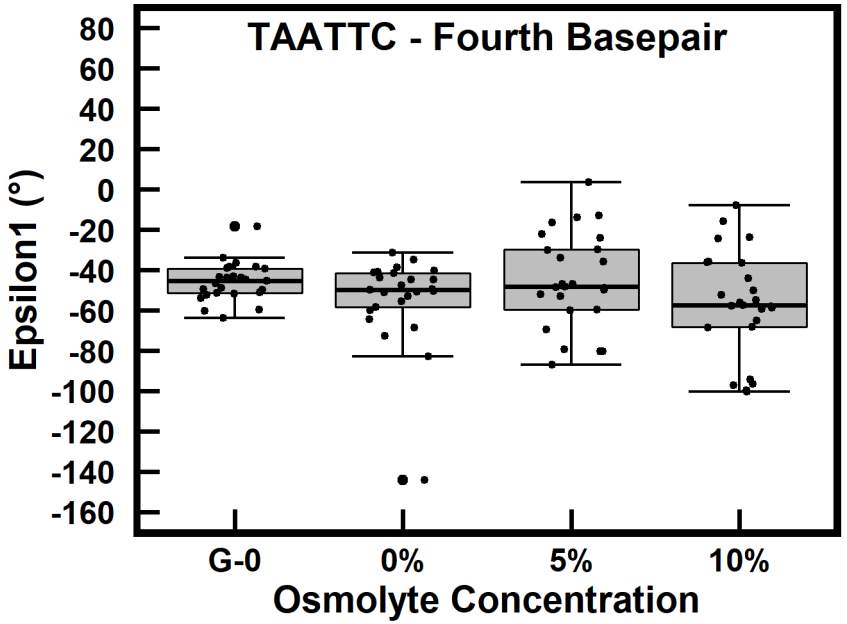
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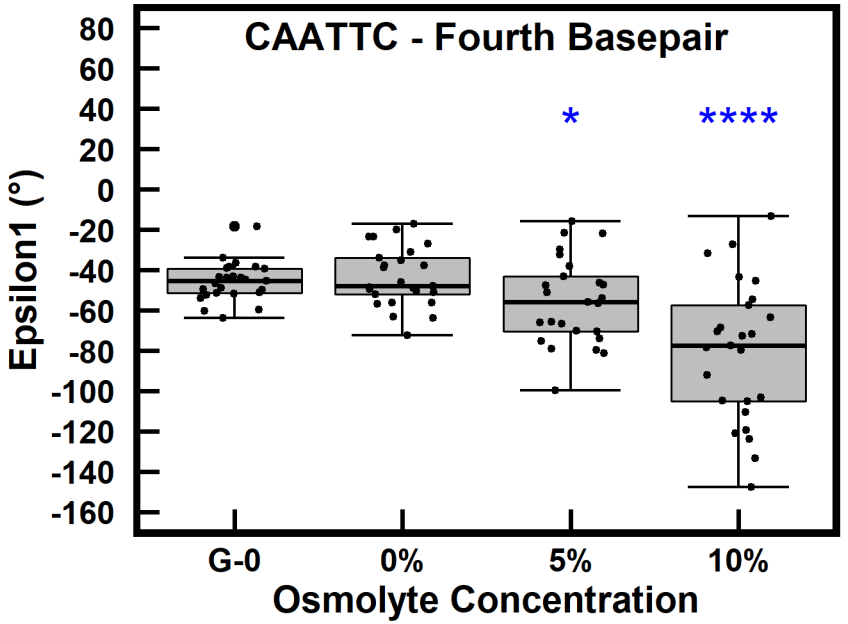
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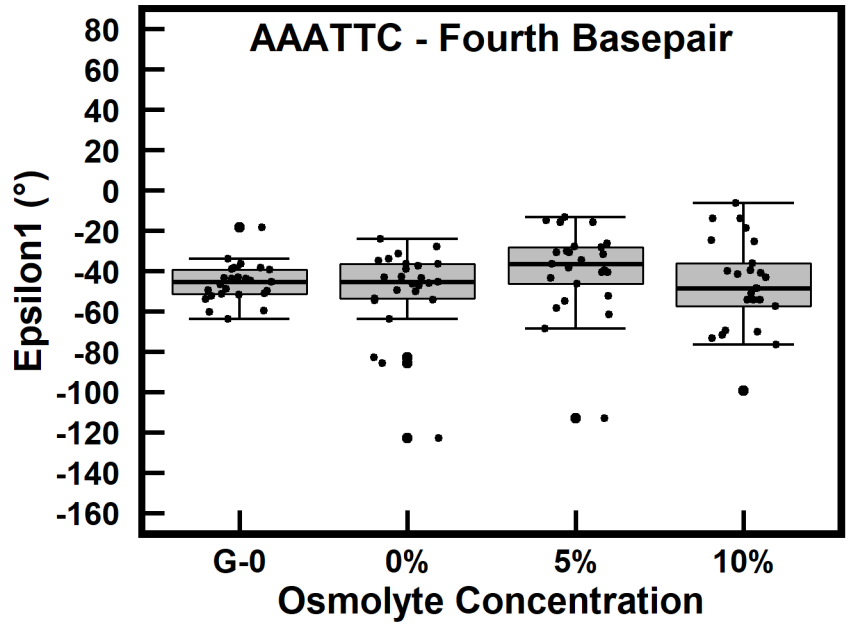
AAATTC - Fourth Basepair
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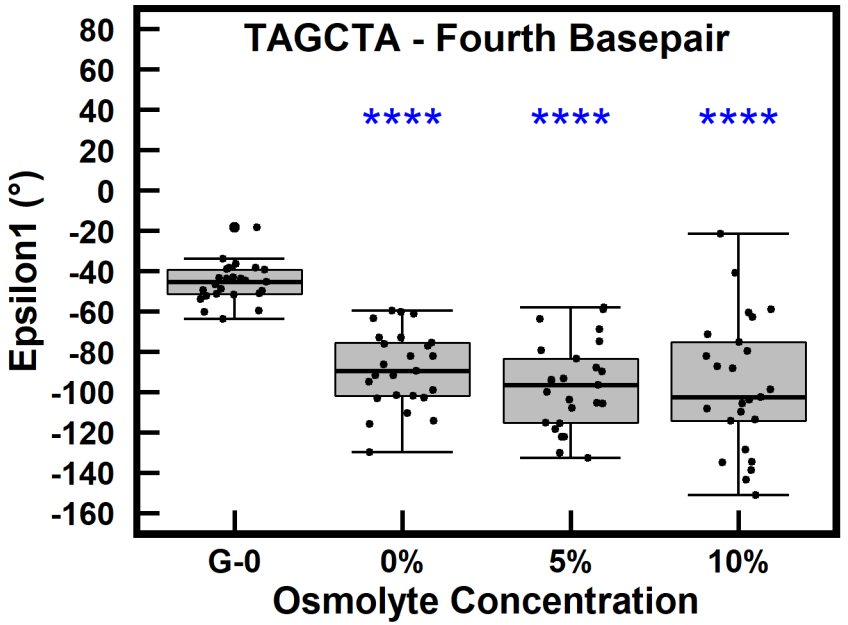
TAGCTA - Fourth Basepair
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Epsilon1 (°)
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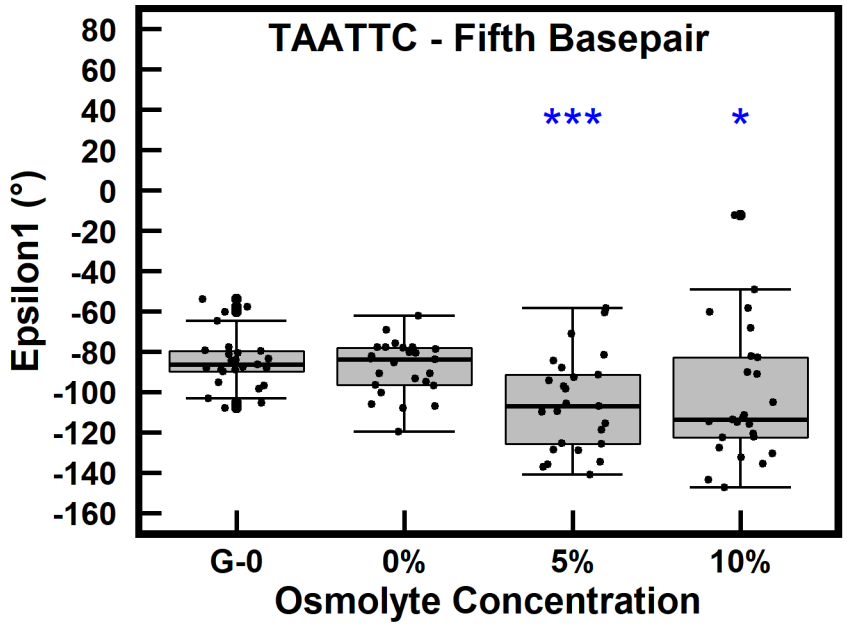
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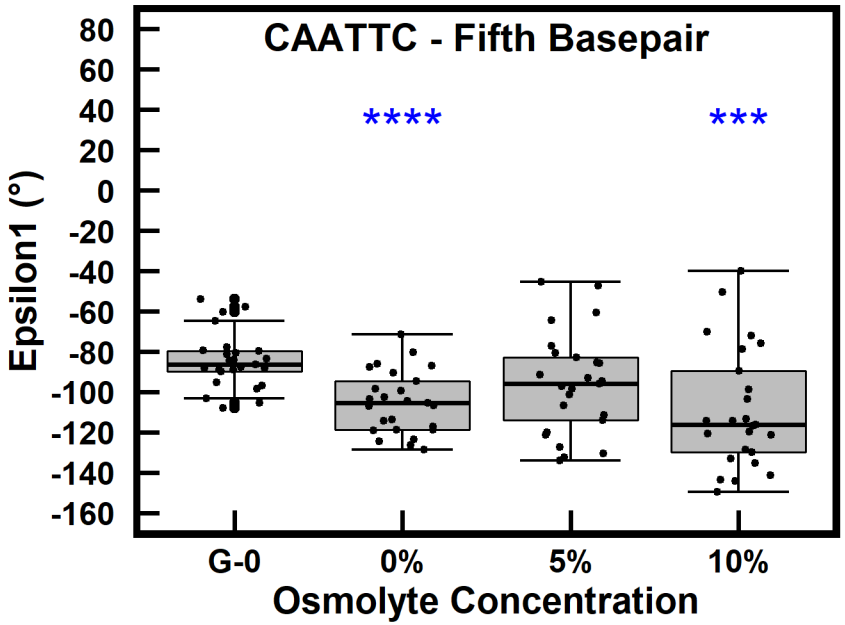
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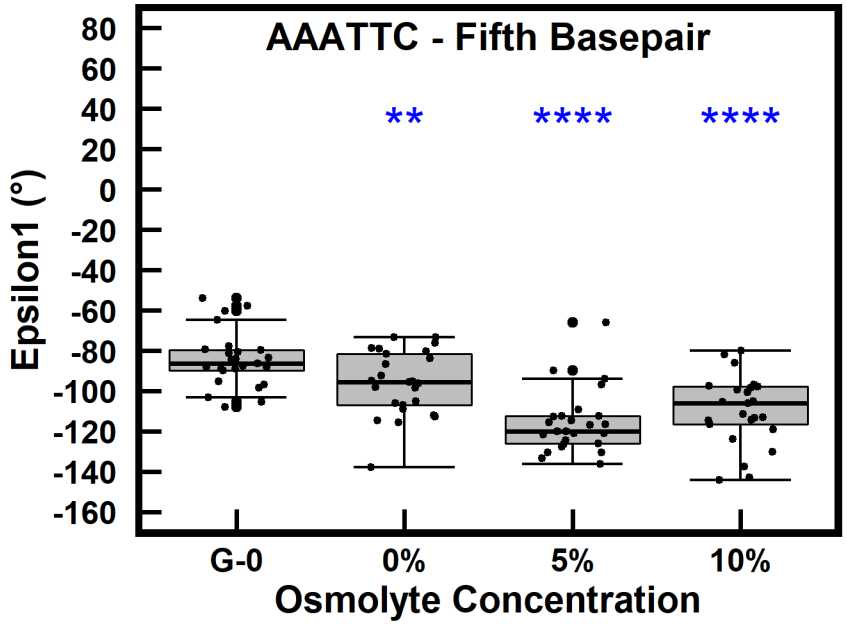
Osmolyte Concentration


AAATTC - Fifth Basepair
Epsilon1 (°)
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G-0
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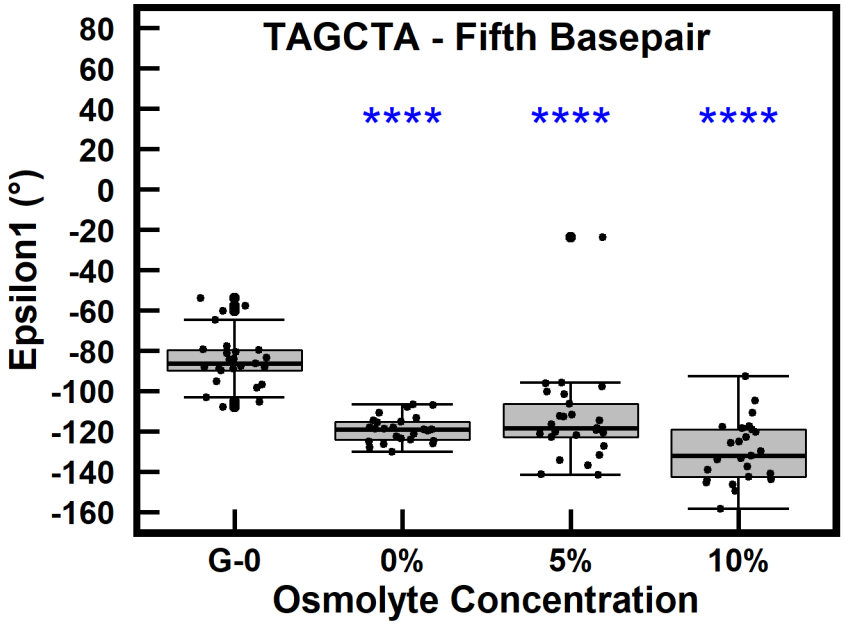
Osmolyte Concentration


TAGCTA - Fifth Basepair
Epsilon1 (°)
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G-0
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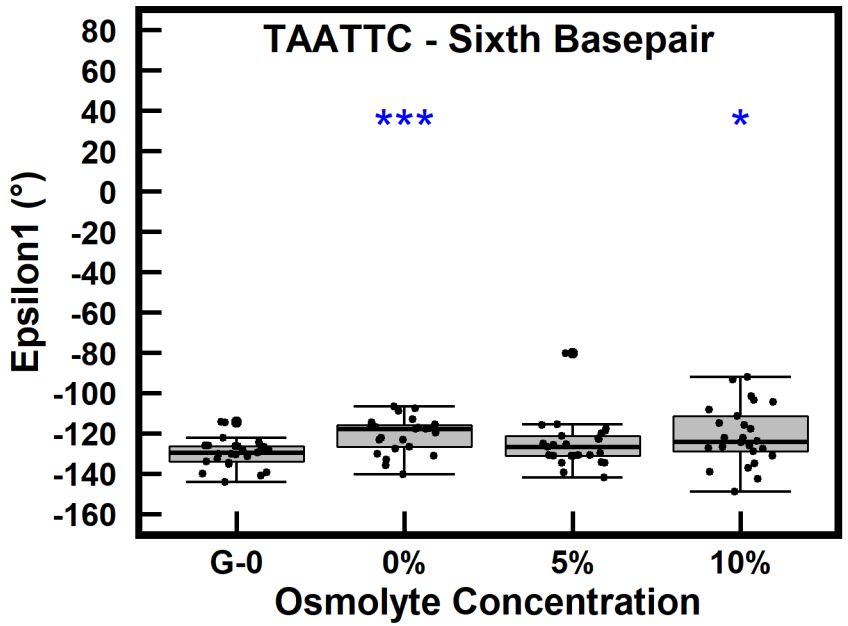
Osmolyte Concentration


TAATTC - Sixth Basepair
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Epsilon1 (°)
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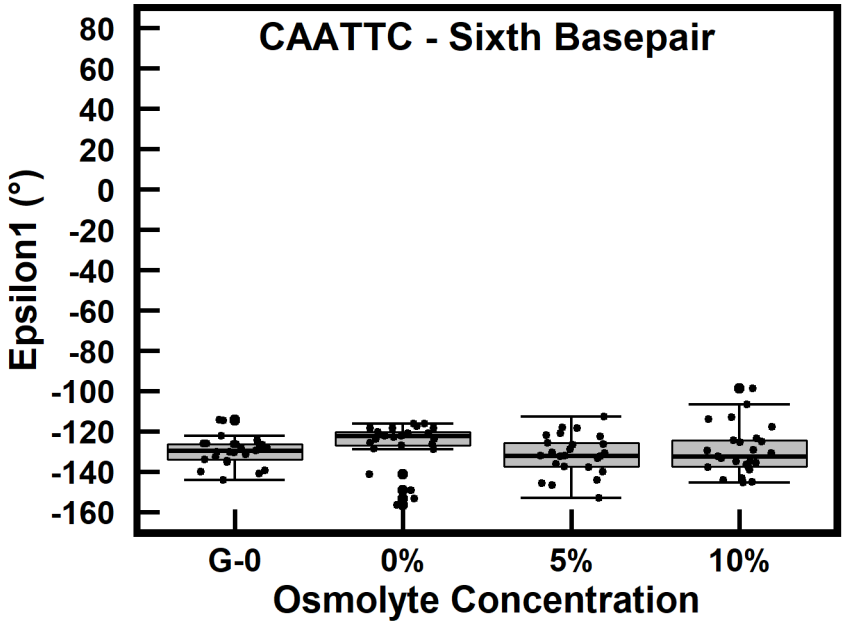
Osmolyte Concentration


CAATTC - Sixth Basepair
Epsilon1 (°)
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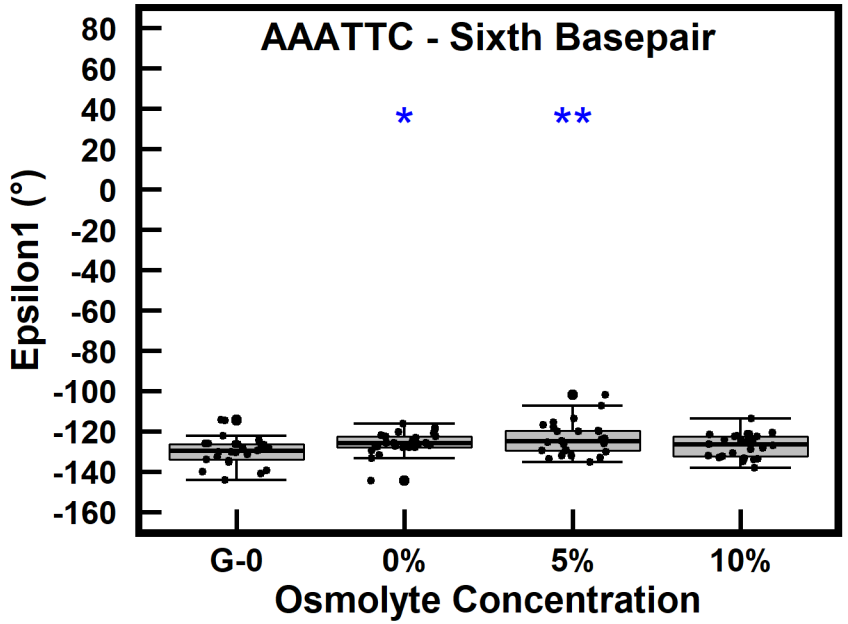
Osmolyte Concentration


AAATTC - Sixth Basepair
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Epsilon1 (°)
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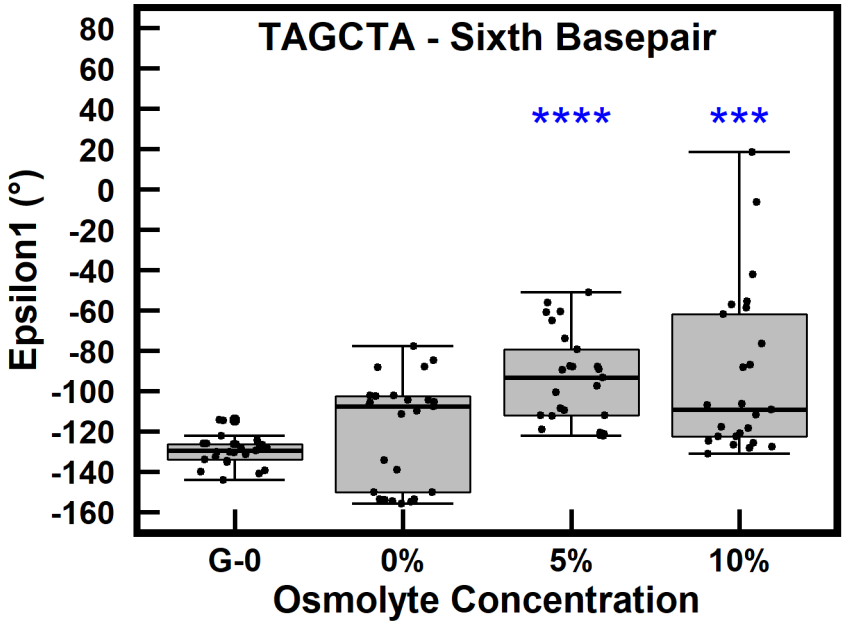
Osmolyte Concentration


TAGCTA - Sixth Basepair
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Epsilon1 (°)
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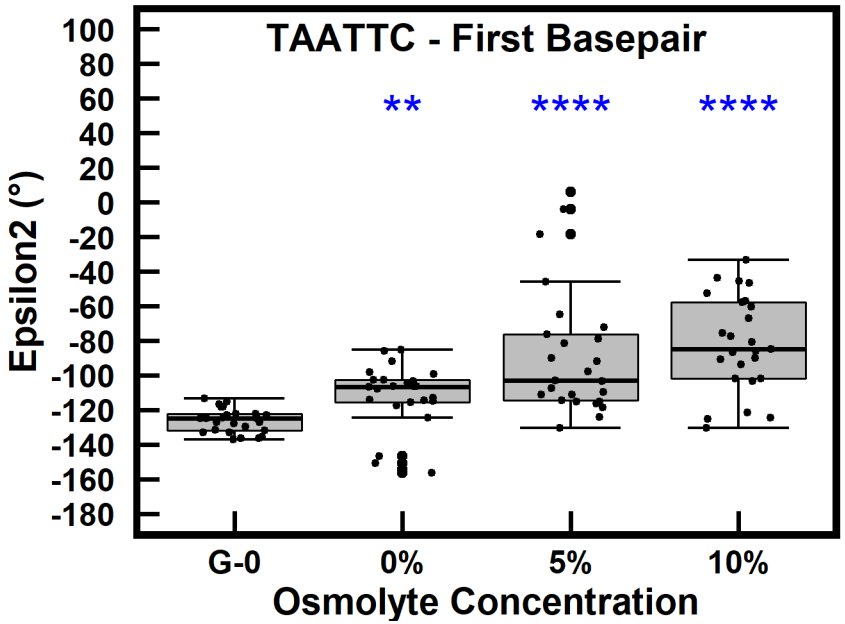
Osmolyte Concentration

Epsilon2


TAATTC - First Basepair
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Epsilon2 (°)
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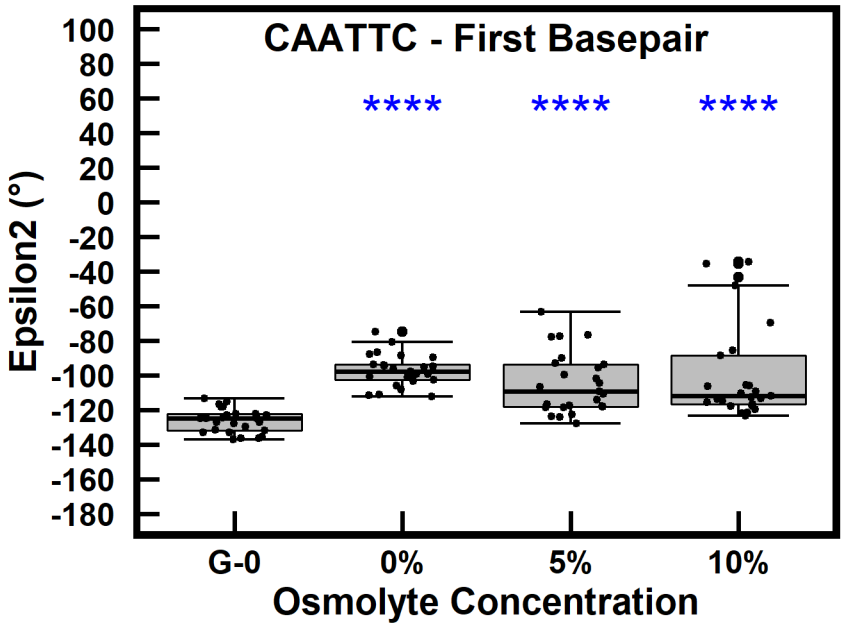
Osmolyte Concentration


CAATTC - First Basepair
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Epsilon2 (°)
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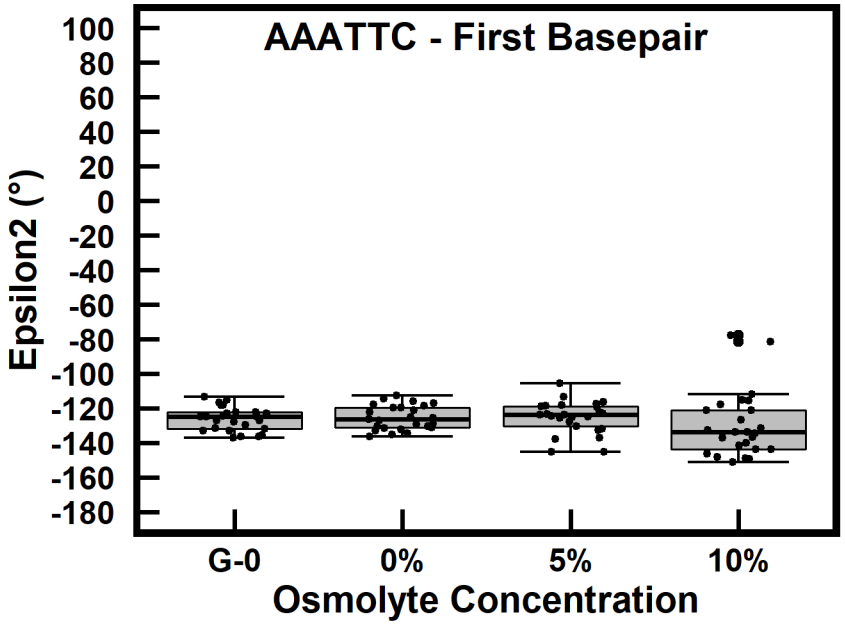
Osmolyte Concentration


AAATTC - First Basepair
Epsilon2 (°)
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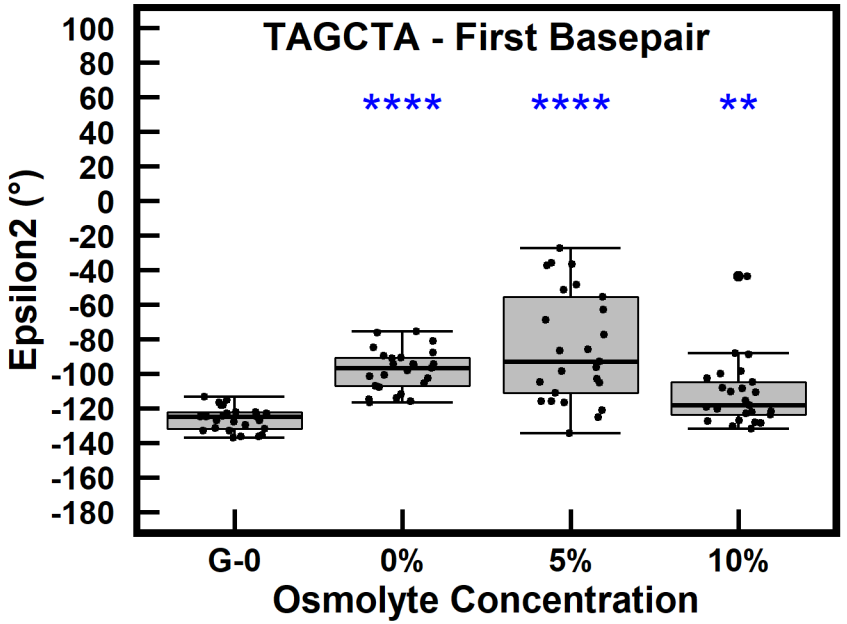
Osmolyte Concentration


TAGCTA - First Basepair
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Epsilon2 (°)
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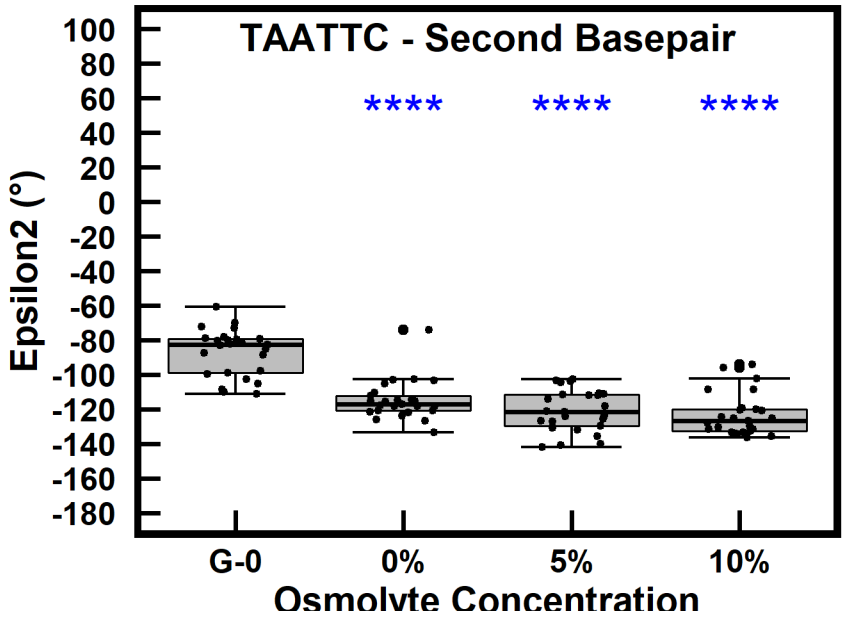
Osmolyte Concentration


TAATTC - Second Basepair
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Epsilon2 (°)
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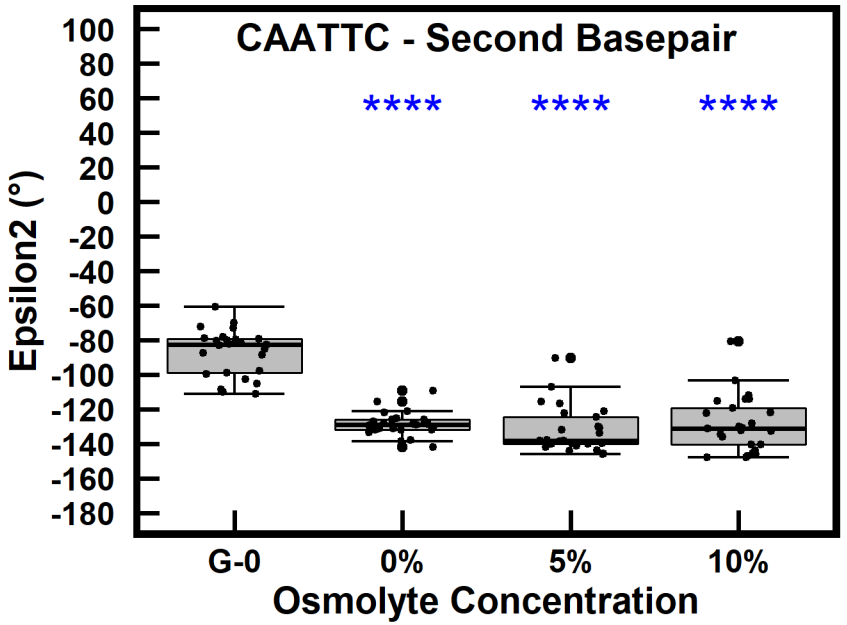
Osmolyte Concentration


CAATTC - Second Basepair
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Epsilon2 (°)
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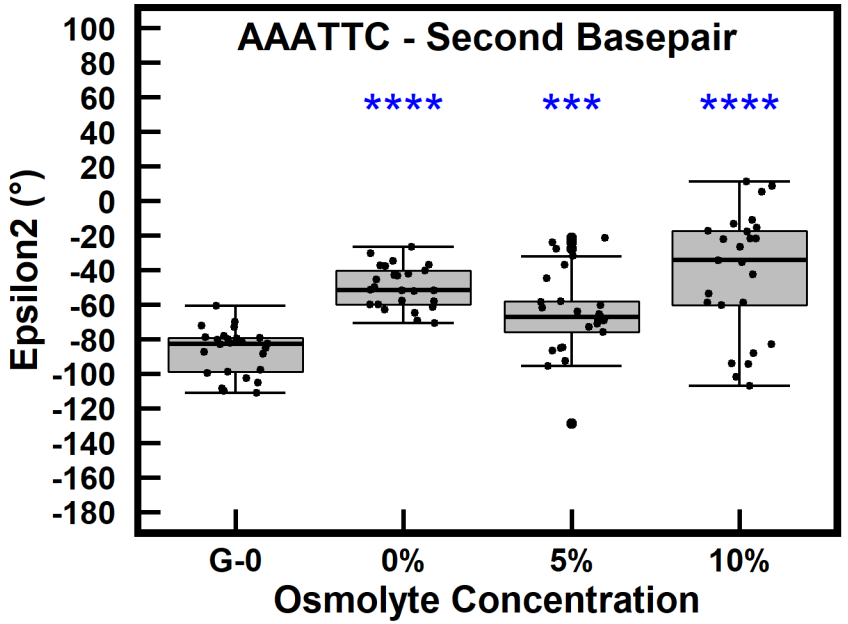
Osmolyte Concentration


AAATTC - Second Basepair
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Epsilon2 (°)
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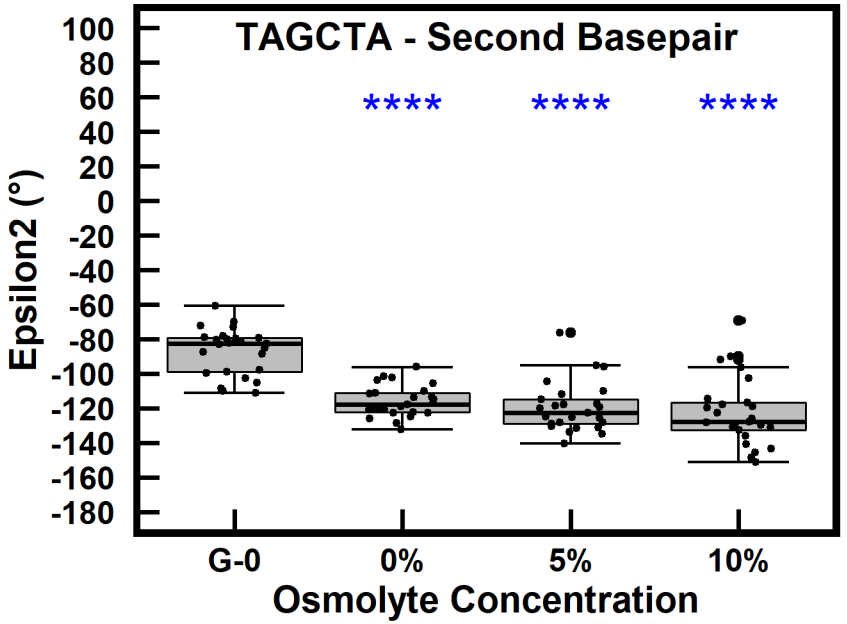
TAGCTA - Second Basepair
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Epsilon2 (°)
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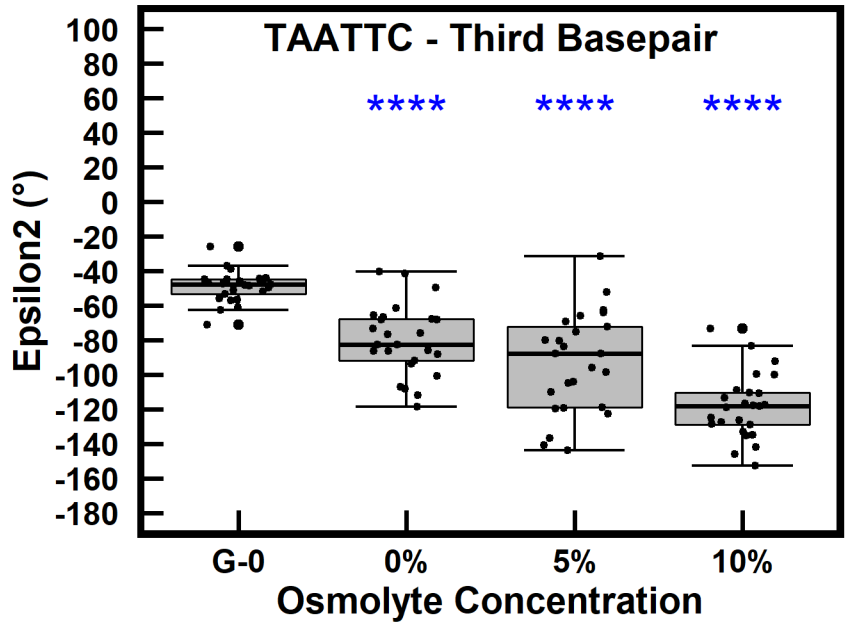
TAATTC - Third Basepair
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Epsilon2 (°)
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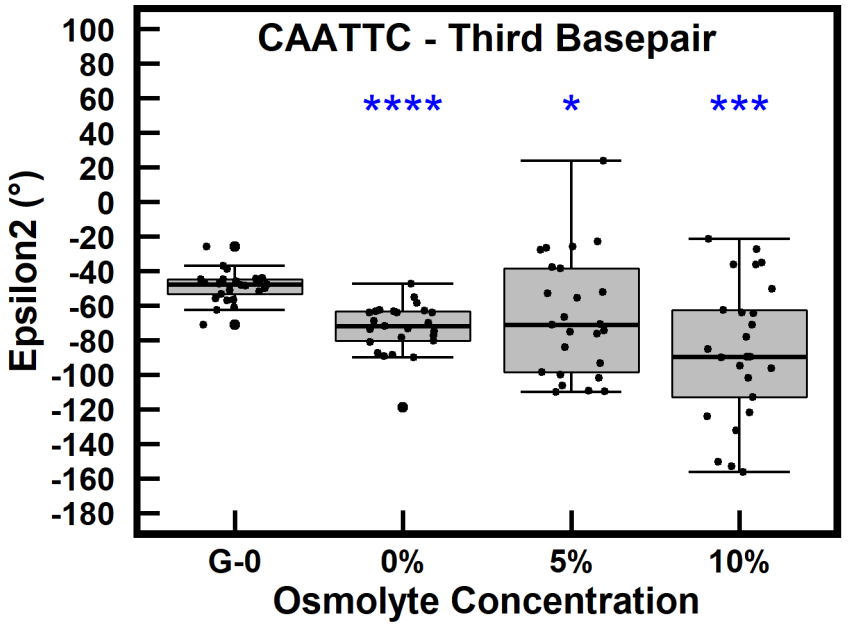
CAATTC - Third Basepair
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Epsilon2 (°)
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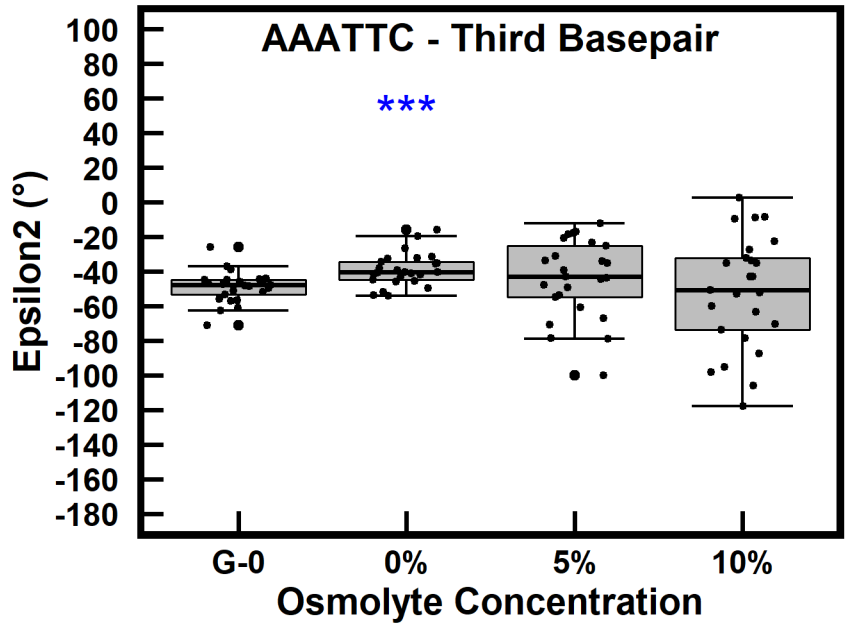
AAATTC - Third Basepair
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Epsilon2 (°)
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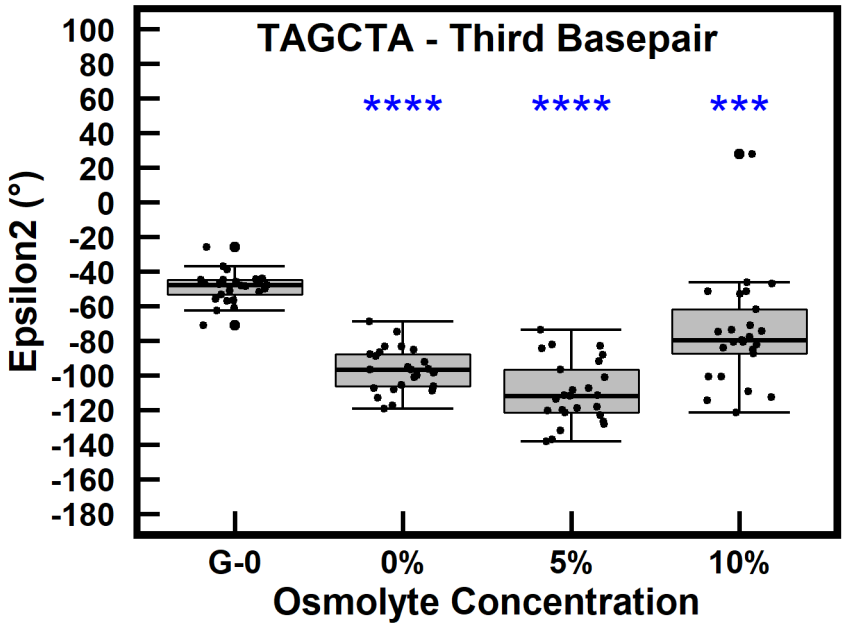
TAGCTA - Third Basepair
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Epsilon2 (°)
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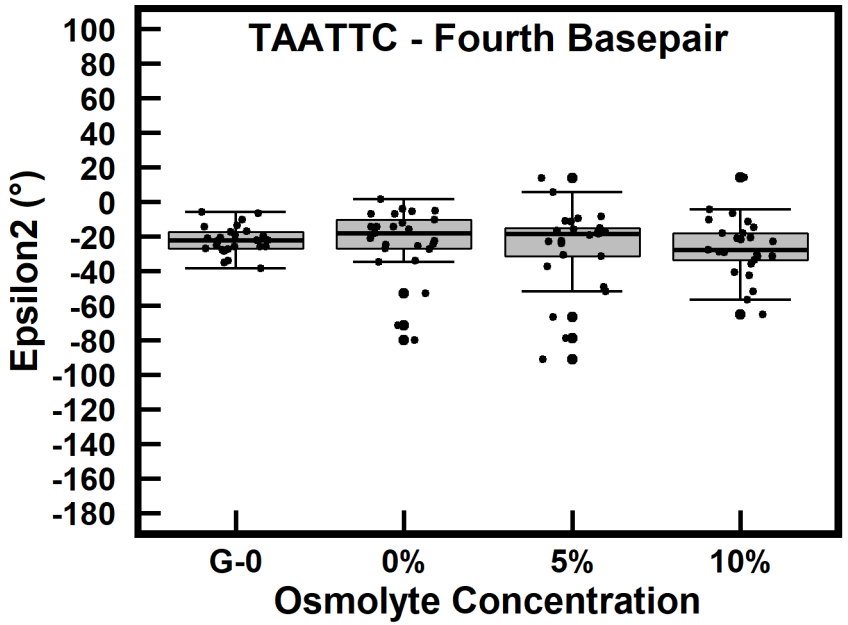
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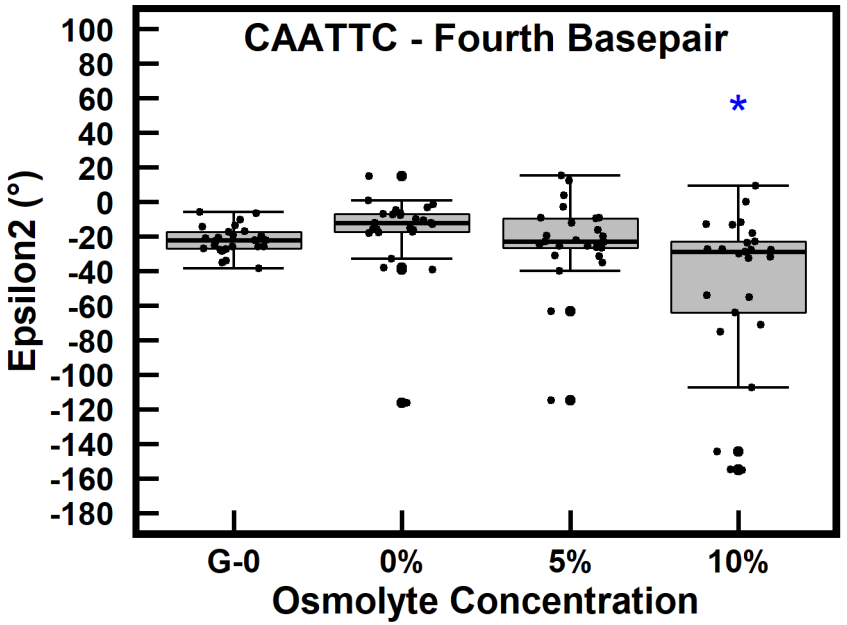
Osmolyte Concentration


CAATTC - Fourth Basepair
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Epsilon2 (°)
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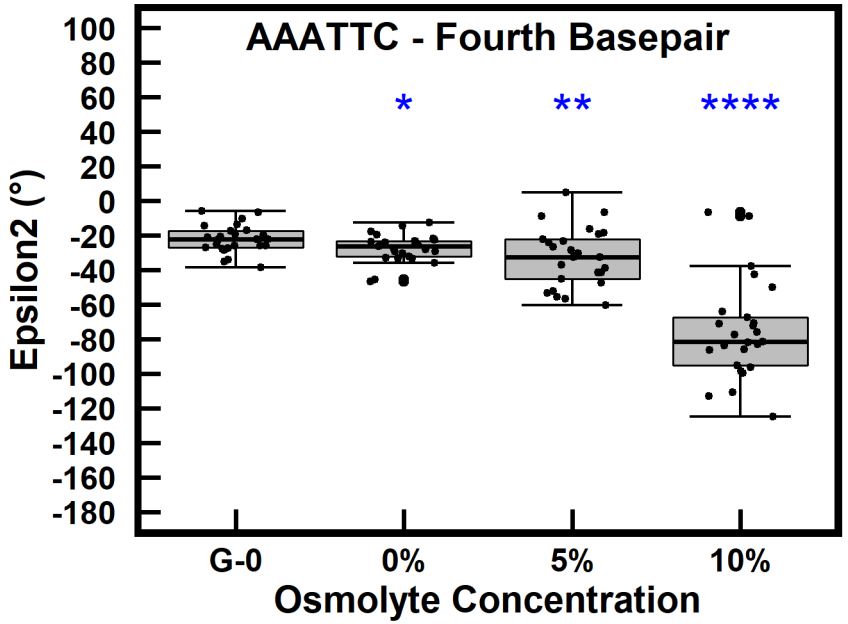
AAATTC - Fourth Basepair
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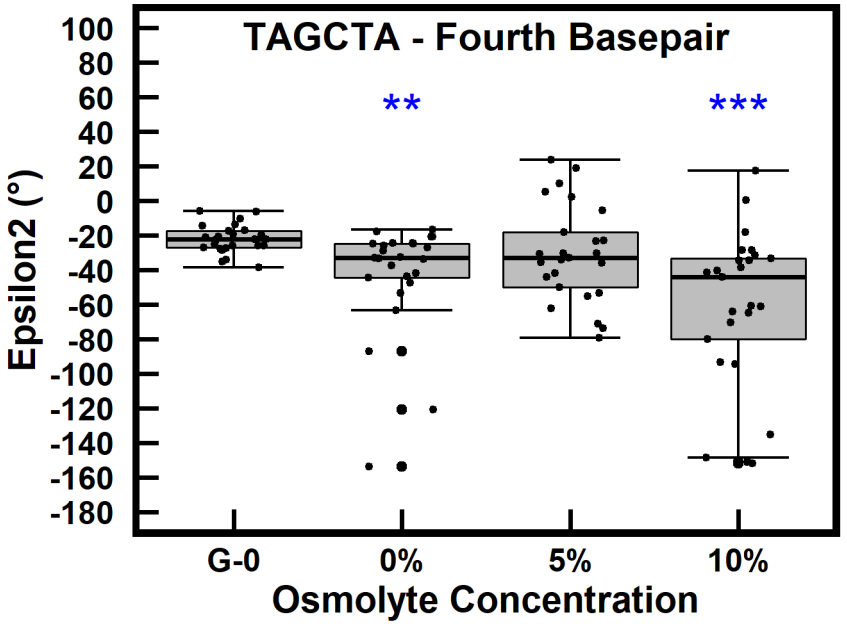
Osmolyte Concentration


TAGCTA - Fourth Basepair
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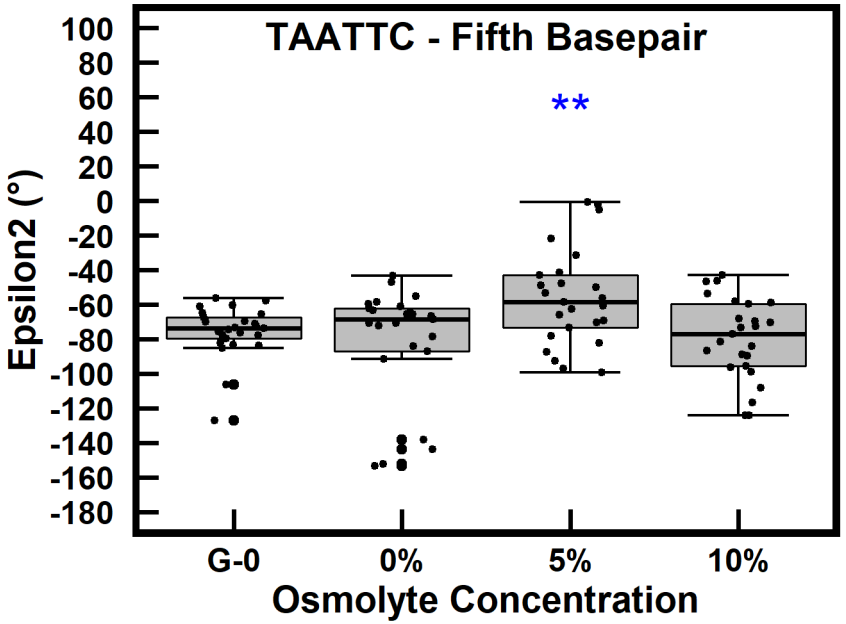
TAATTC - Fifth Basepair
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Epsilon2 (°)
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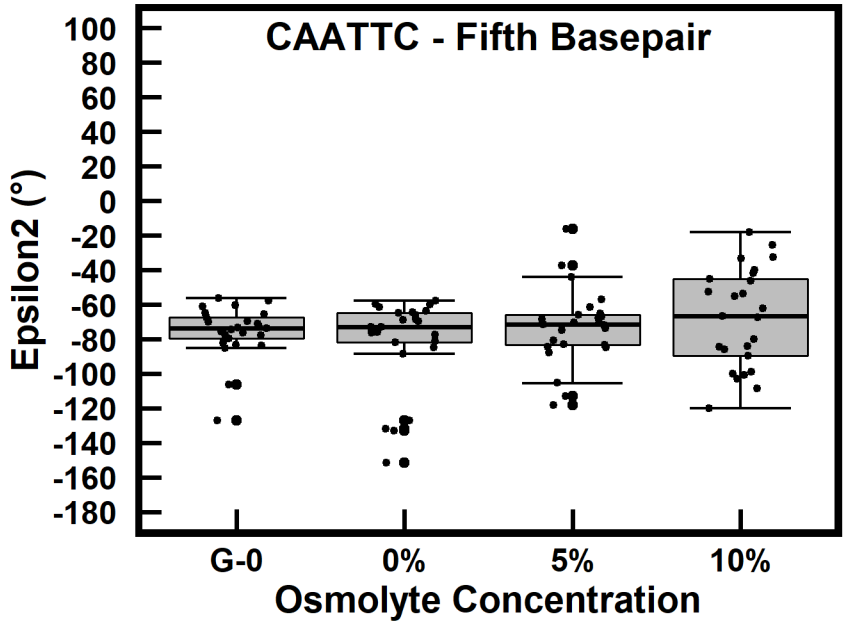
Osmolyte Concentration


CAATTC - Fifth Basepair
Epsilon2 (°)
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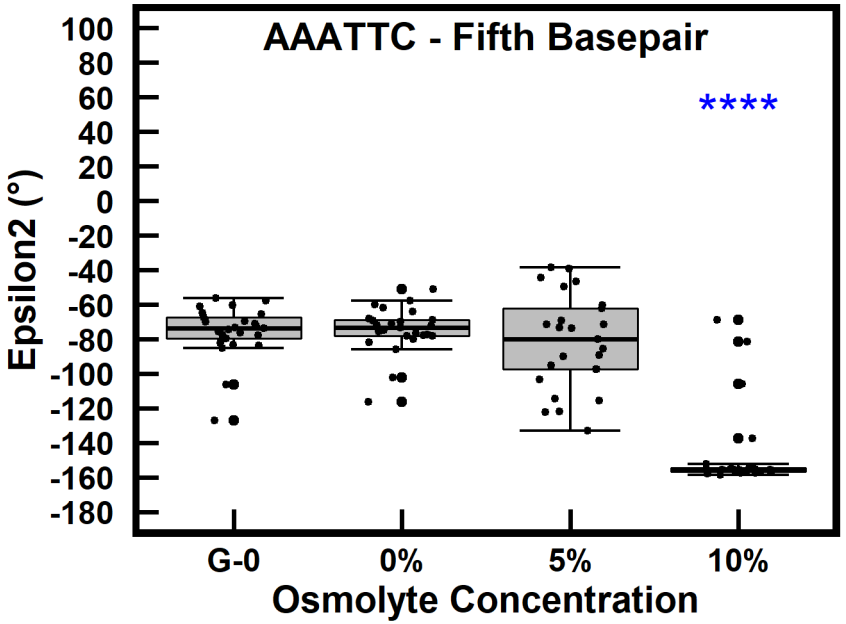
AAATTC - Fifth Basepair
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Epsilon2 (°)
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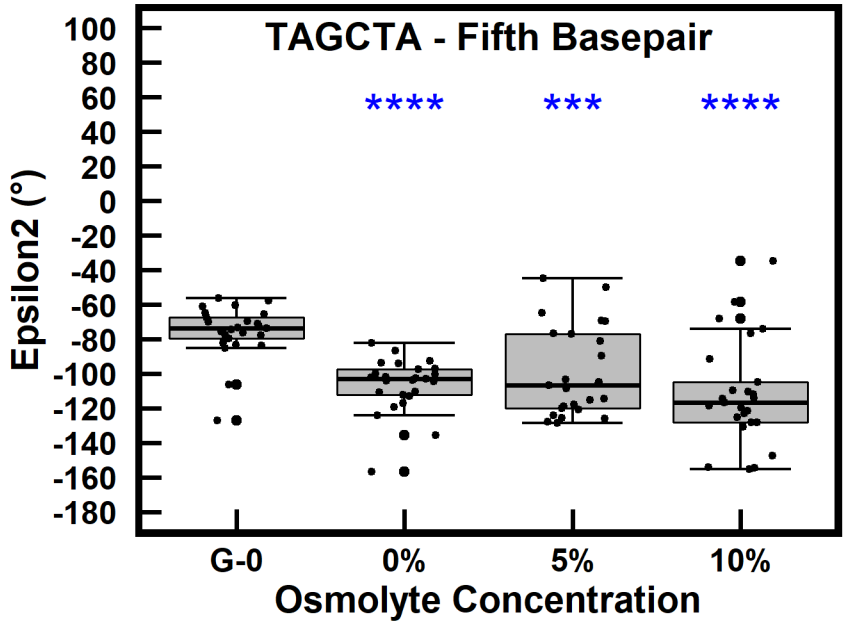
Osmolyte Concentration


TAGCTA - Fifth Basepair
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Epsilon2 (°)
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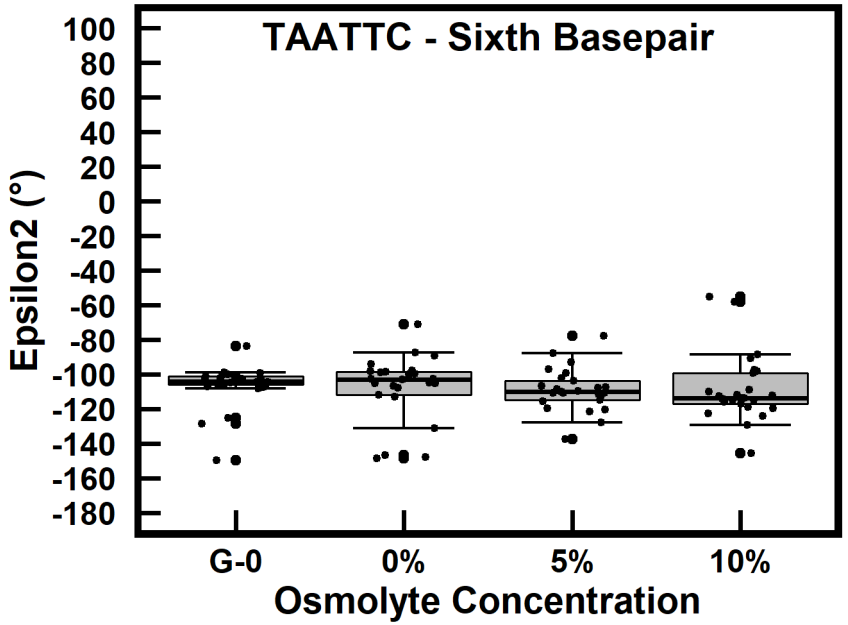
Osmolyte Concentration


TAATTC - Sixth Basepair
Epsilon2 (°)
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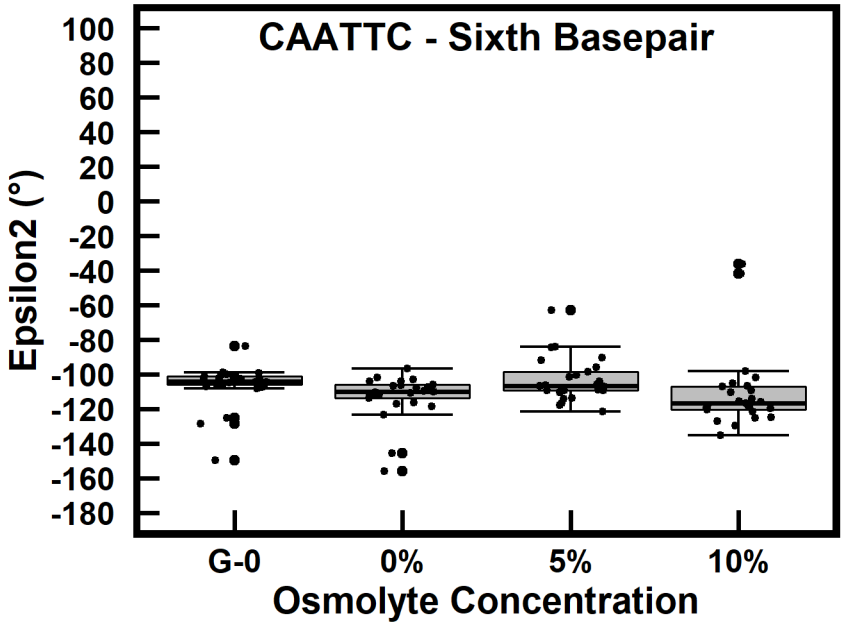
Osmolyte Concentration


CAATTC - Sixth Basepair
Epsilon2 (°)
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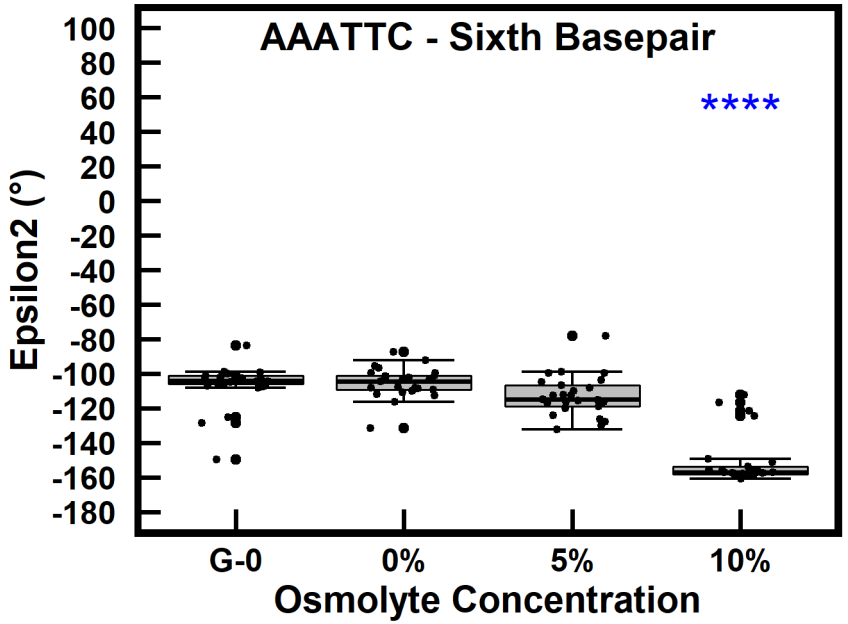
Osmolyte Concentration


AAATTC - Sixth Basepair
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Epsilon2 (°)
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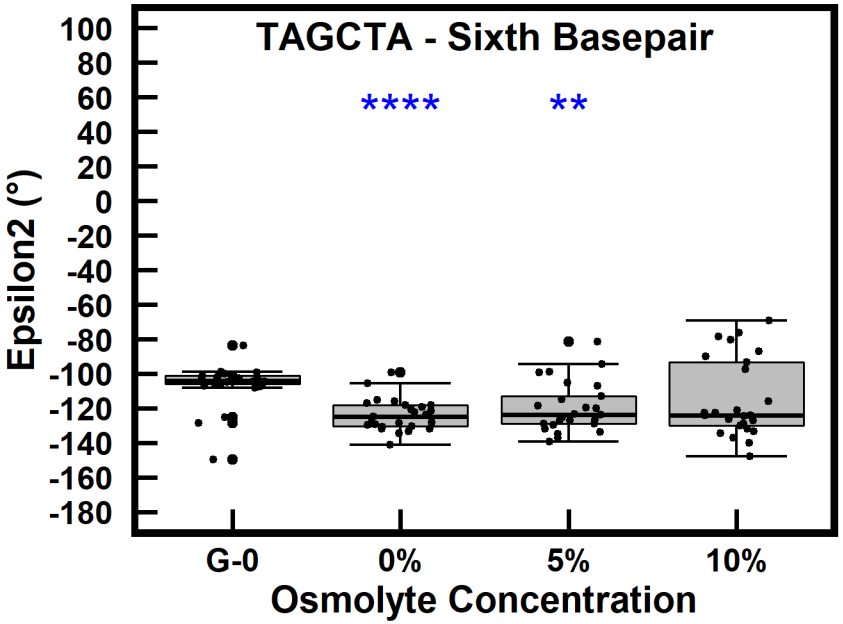
Osmolyte Concentration


TAGCTA - Sixth Basepair
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Epsilon2 (°)
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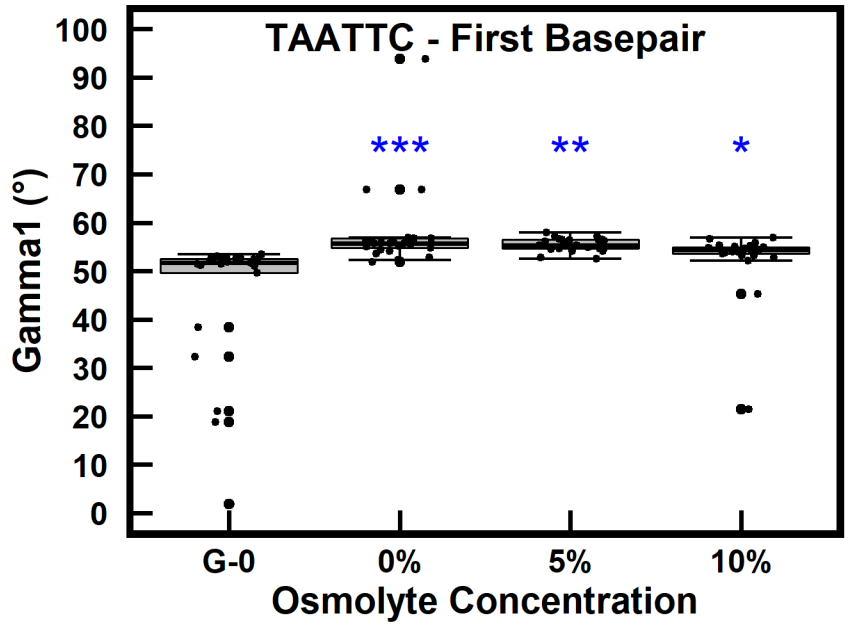
Osmolyte Concentration

Gamma1


TAATTC - First Basepair
Gamma1 (°)
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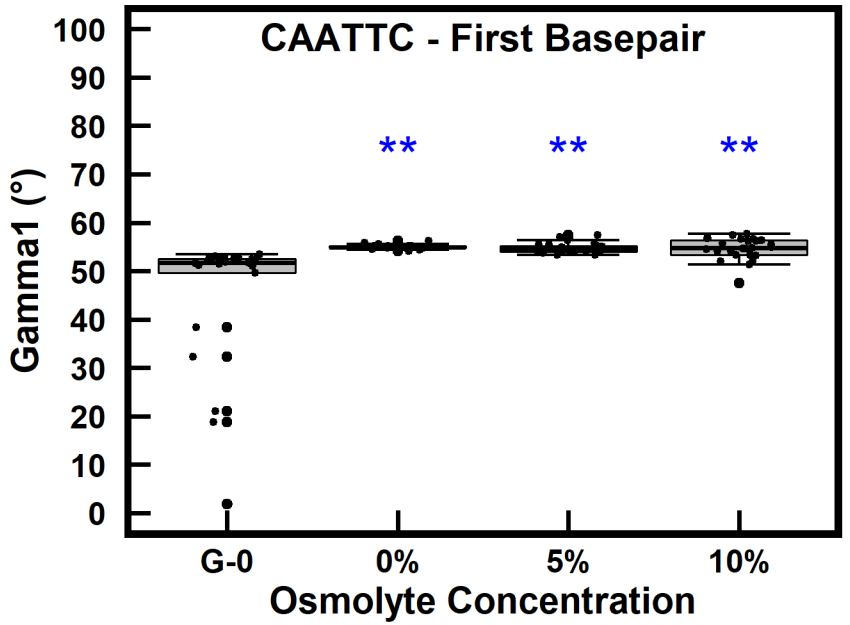
Osmolyte Concentration


CAATTC - First Basepair
Gamma1 (°)
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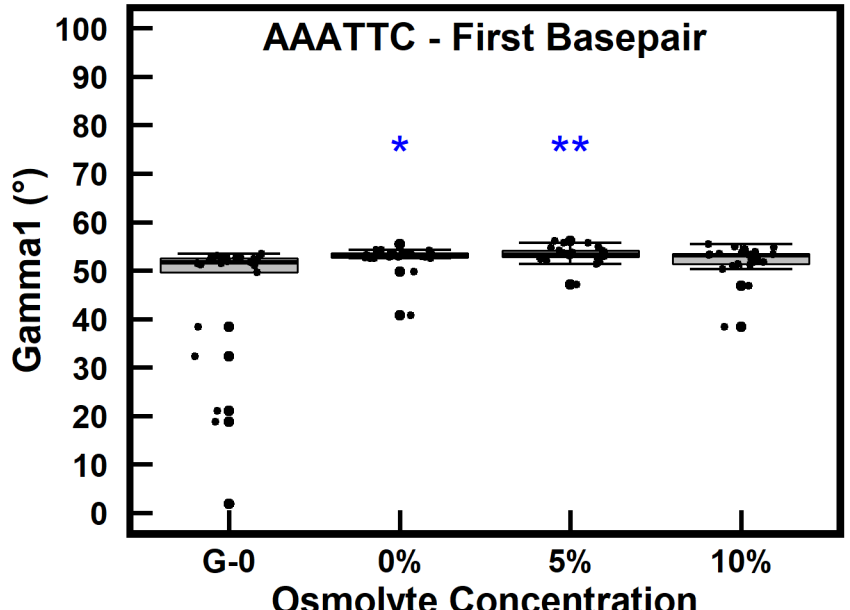
Osmolyte Concentration


AAATTC - First Basepair
Gamma1 (°)
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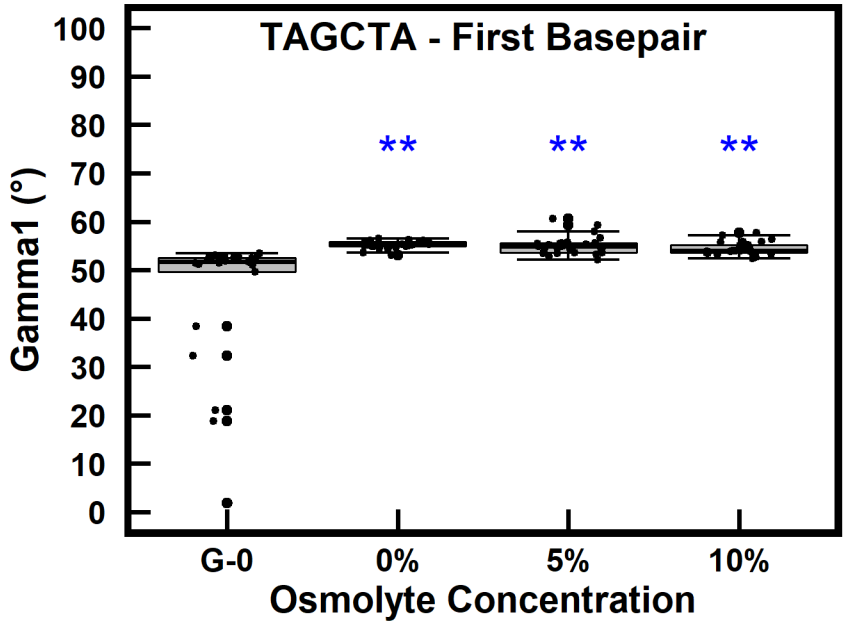
Osmolyte Concentration


TAGCTA - First Basepair
Gamma1 (°)
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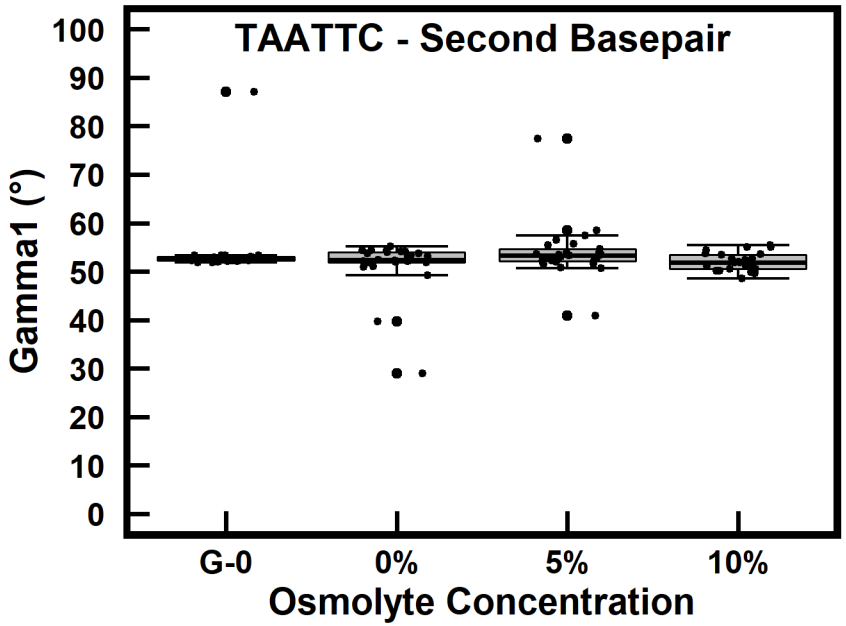
Osmolyte Concentration


TAATTC - Second Basepair
Gamma1 (°)
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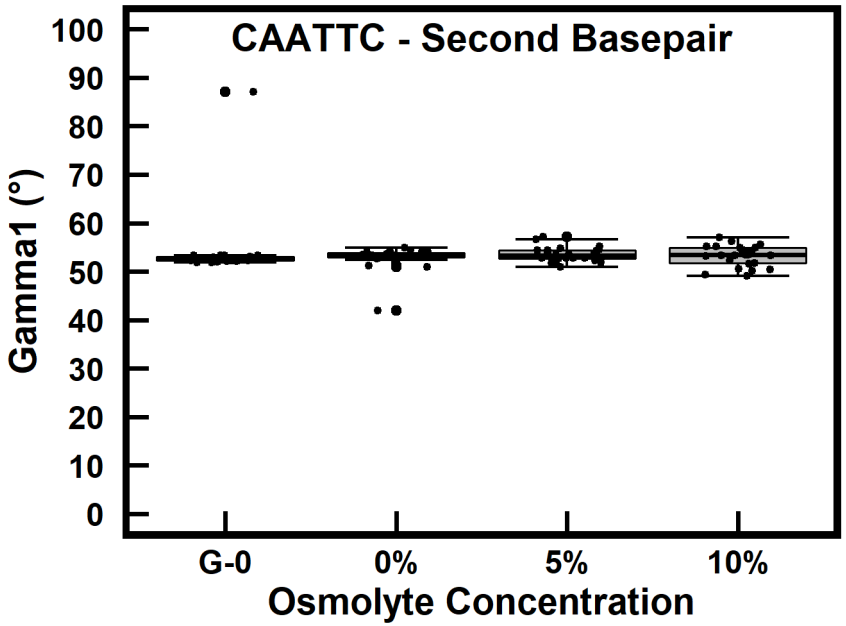
Osmolyte Concentration


CAATTC - Second Basepair
Gamma1 (°)
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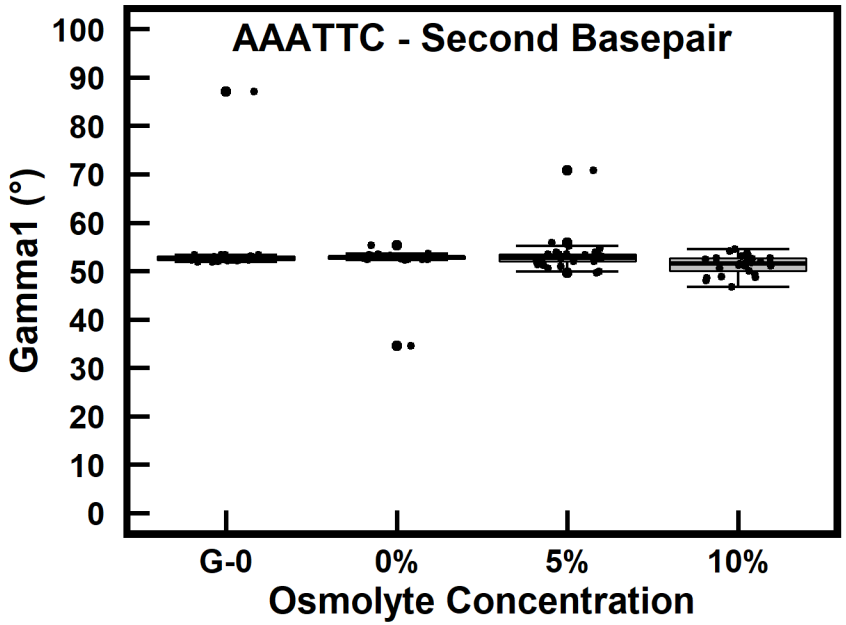
Osmolyte Concentration


AAATTC - Second Basepair
Gamma1 (°)
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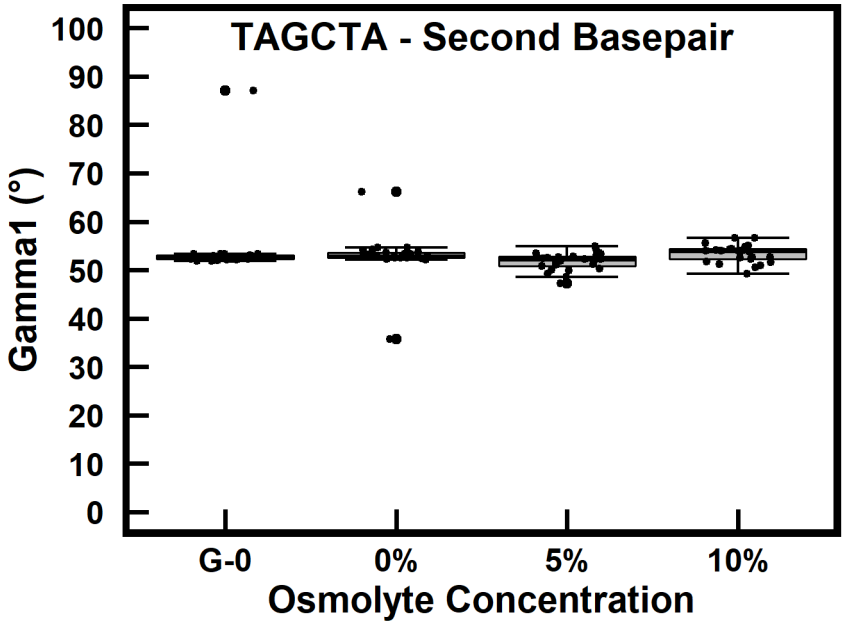
Osmolyte Concentration


TAGCTA - Second Basepair
Gamma1 (°)
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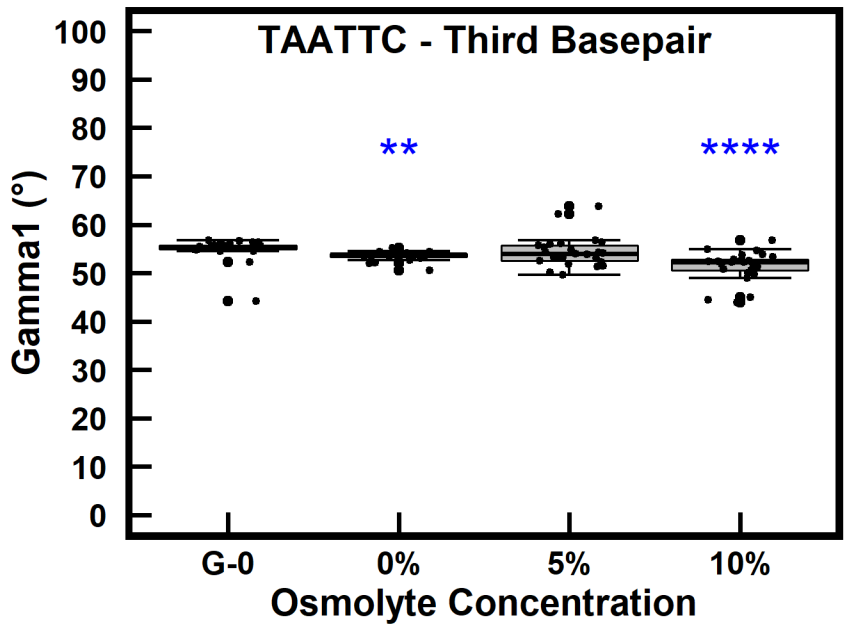
Osmolyte Concentration


TAATTC - Third Basepair
Gamma1 (°)
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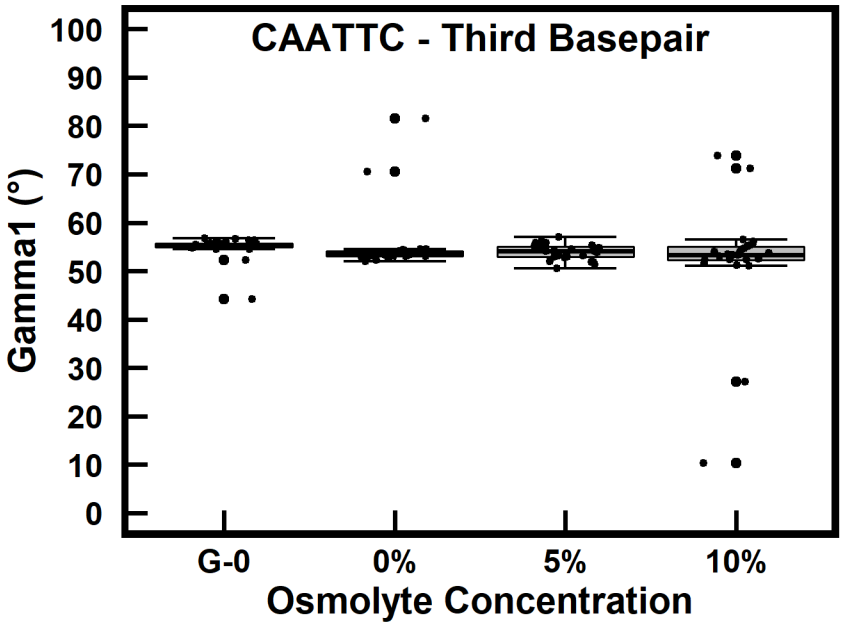
Osmolyte Concentration


CAATTC - Third Basepair
Gamma1 (°)
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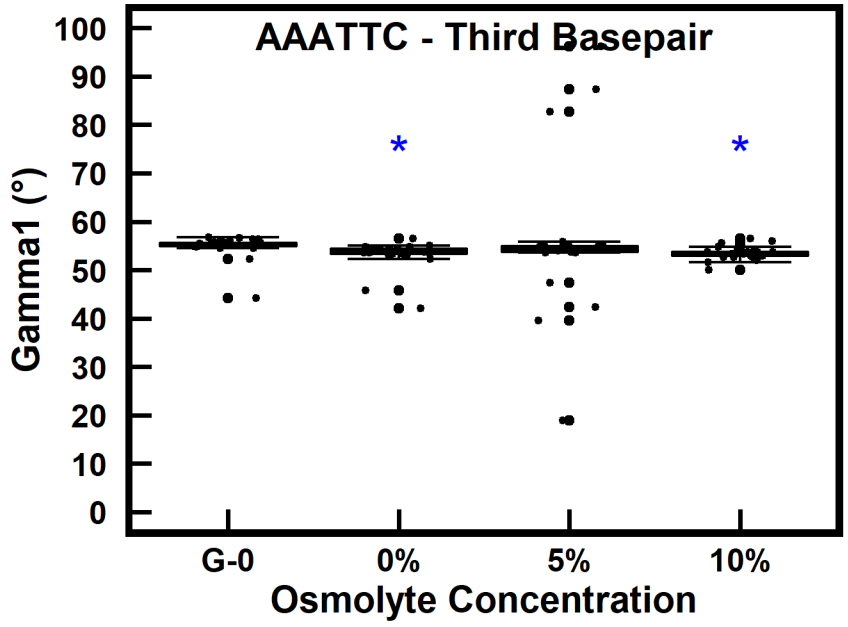
Osmolyte Concentration


AAATTC - Third Basepair
Gamma1 (°)
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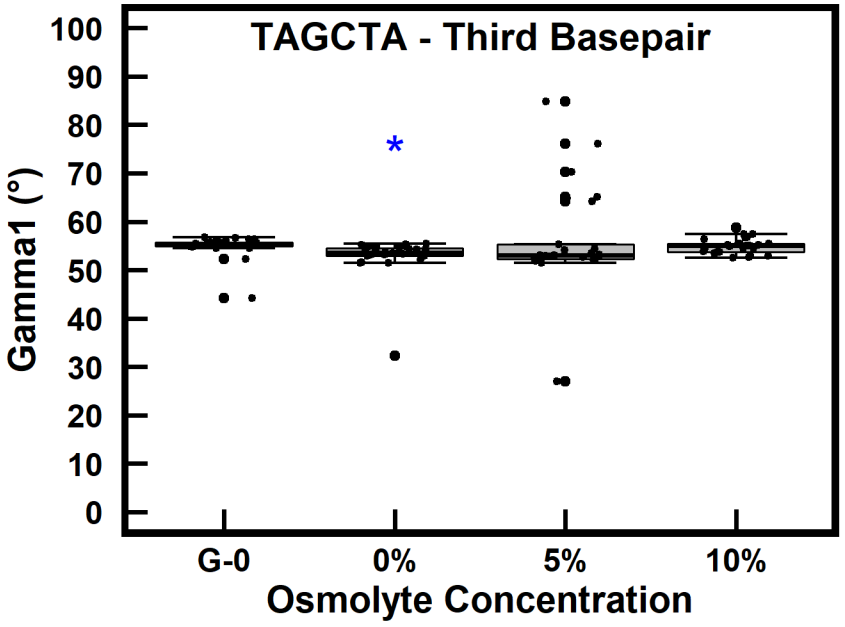
Osmolyte Concentration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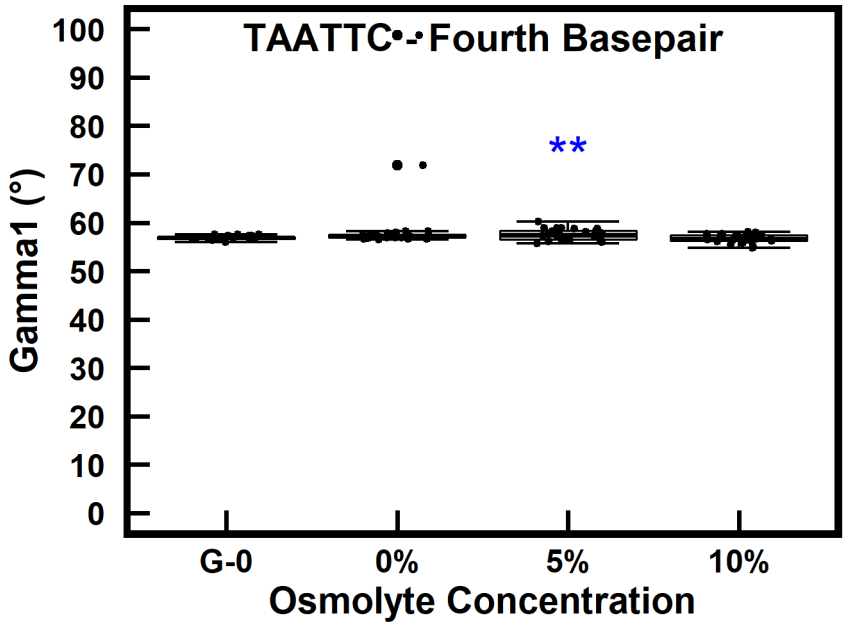
TAATTC - Fourth Basepair
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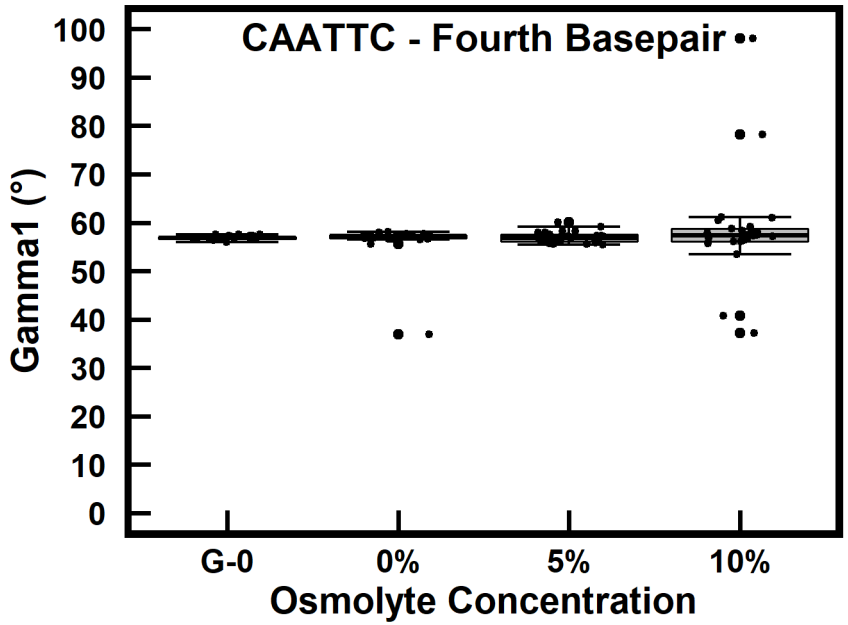
Osmolyte Concentration


CAATTC - Fourth Basepair
Gamma1 (°)
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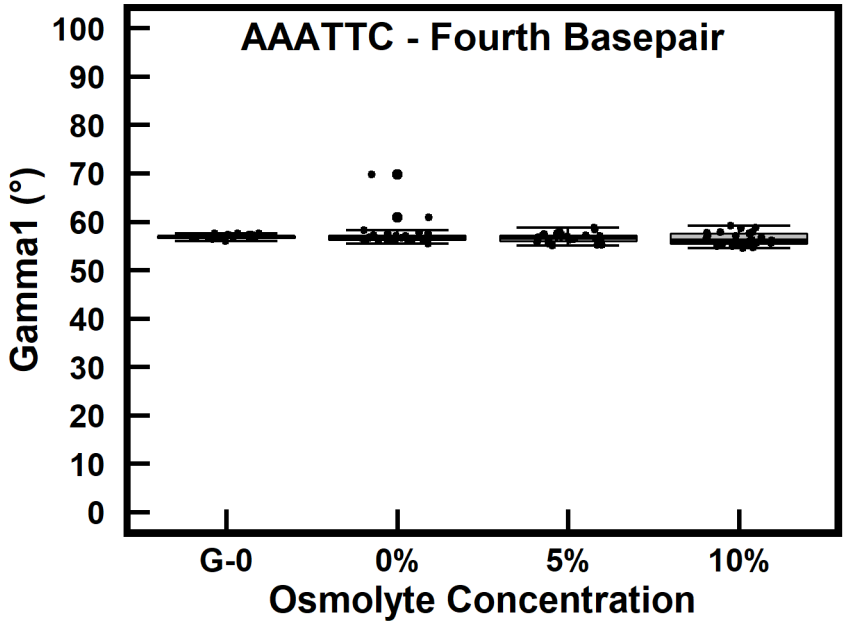
Osmolyte Concentration


AAATTC - Fourth Basepair
Gamma1 (°)
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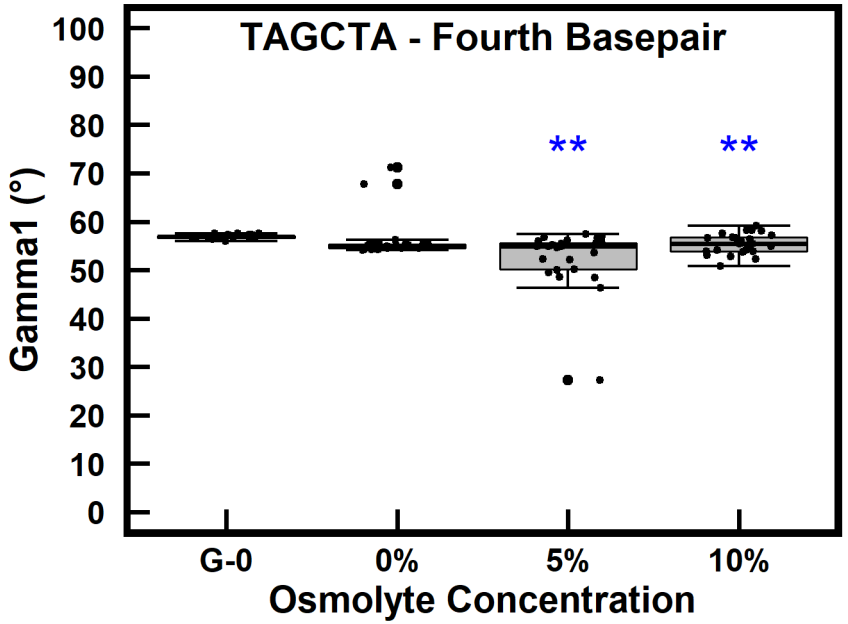
Osmolyte Concentration


TAGCTA - Fourth Basepair
Gamma1 (°)
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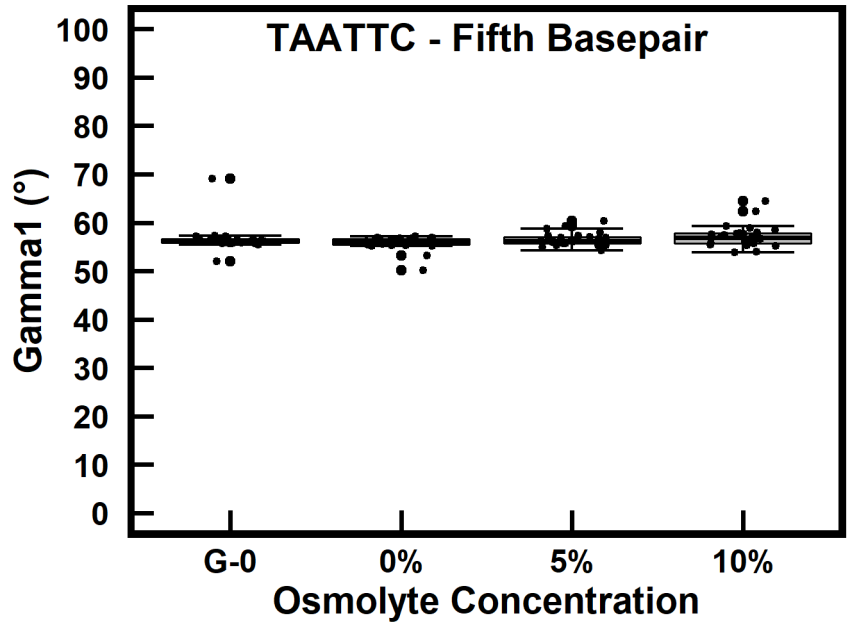
Osmolyte Concentration


TAATTC - Fifth Basepair
Gamma1 (°)
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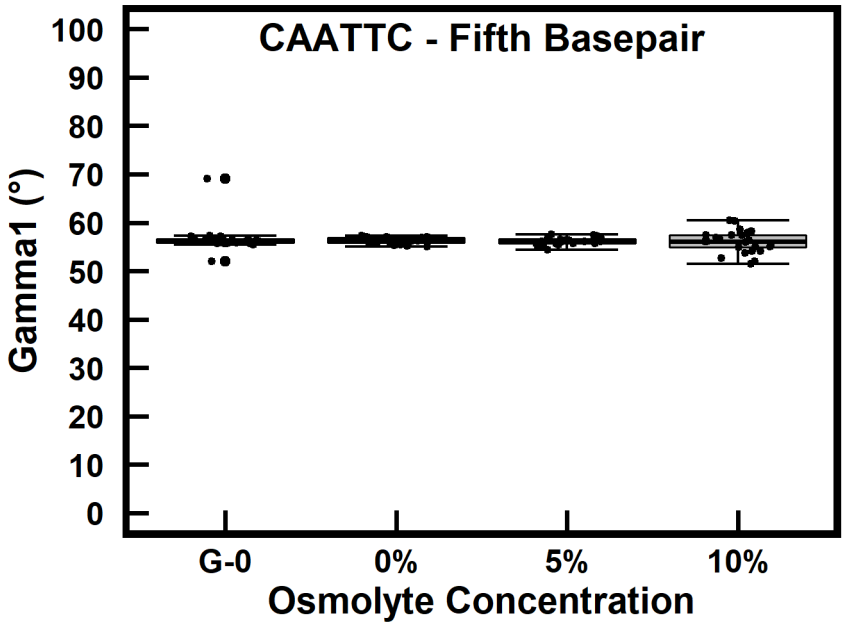
Osmolyte Concentration


CAATTC - Fifth Basepair
Gamma1 (°)
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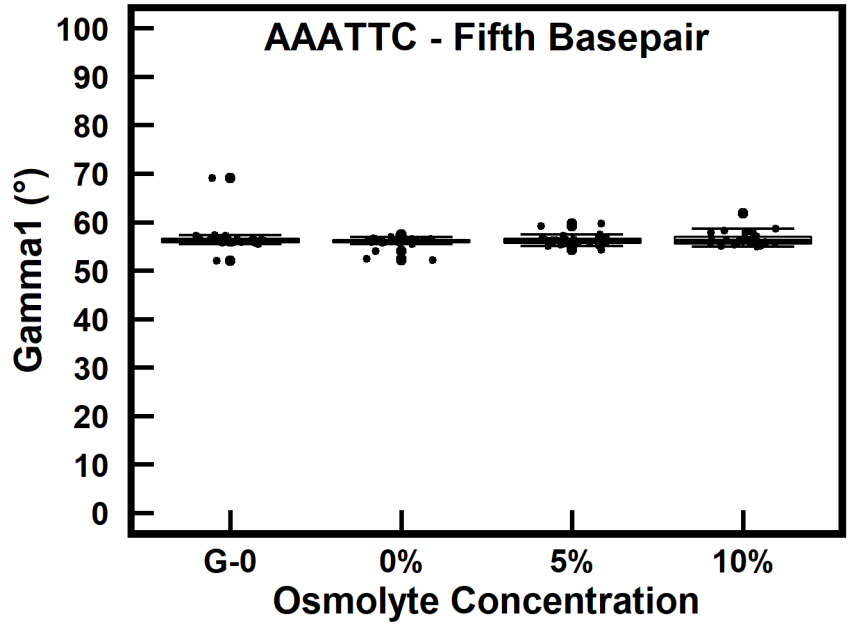
Osmolyte Concentration


AAATTC - Fifth Basepair
Gamma1 (°)
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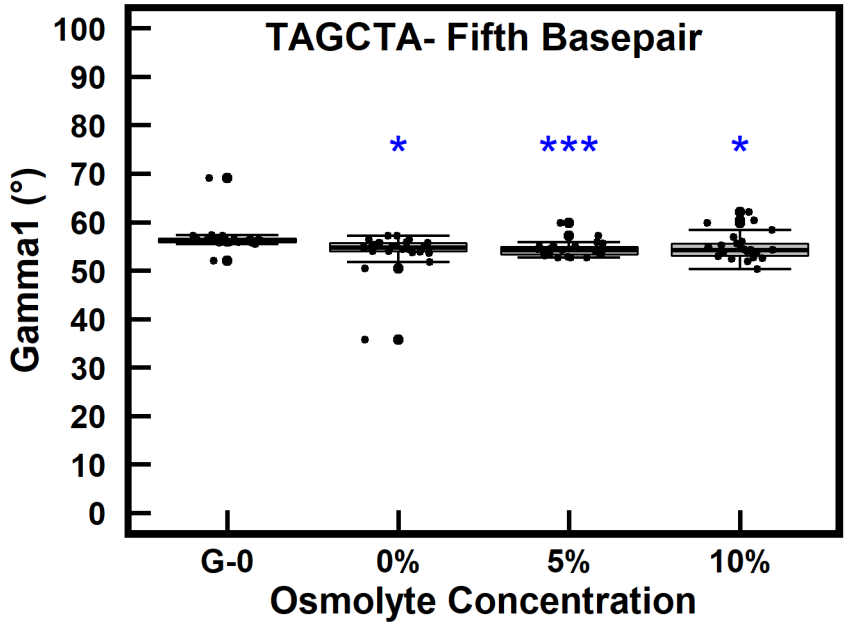
Osmolyte Concentration


TAGCTA- Fifth Basepair
Gamma1 (°)
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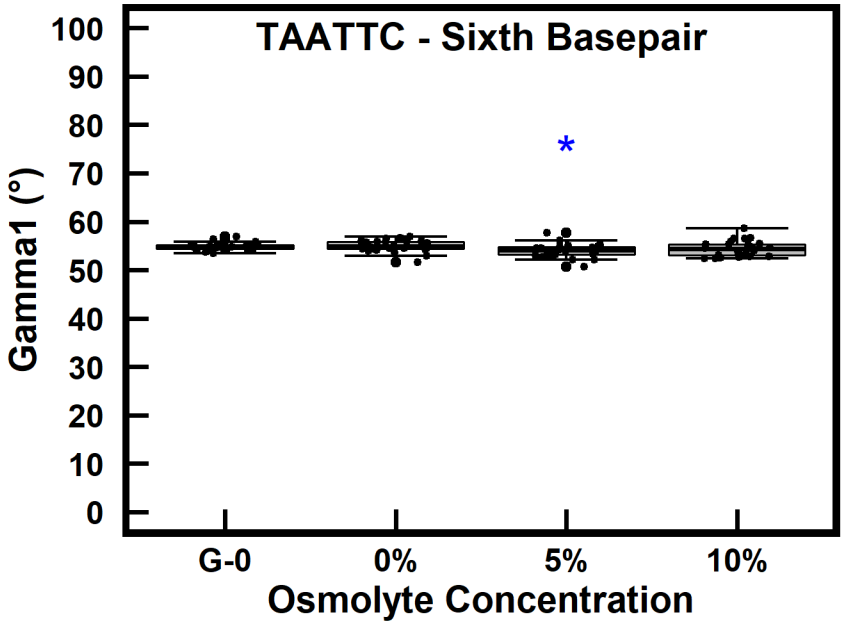
Osmolyte Concentration


TAATTC - Sixth Basepair
Gamma1 (°)
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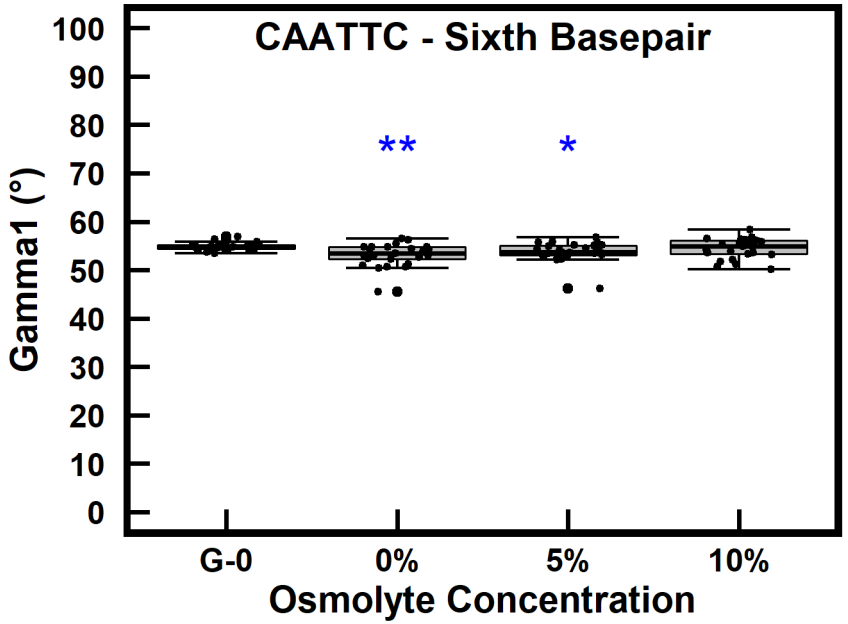
CAATTC - Sixth Basepair
Gamma1 (°)
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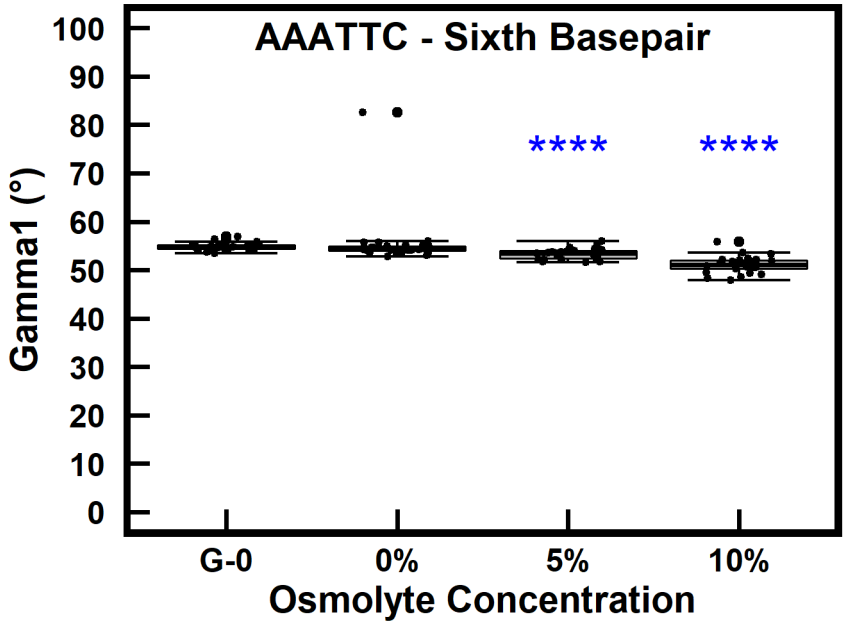
Osmolyte Concentration


AAATTC - Sixth Basepair
Gamma1 (°)
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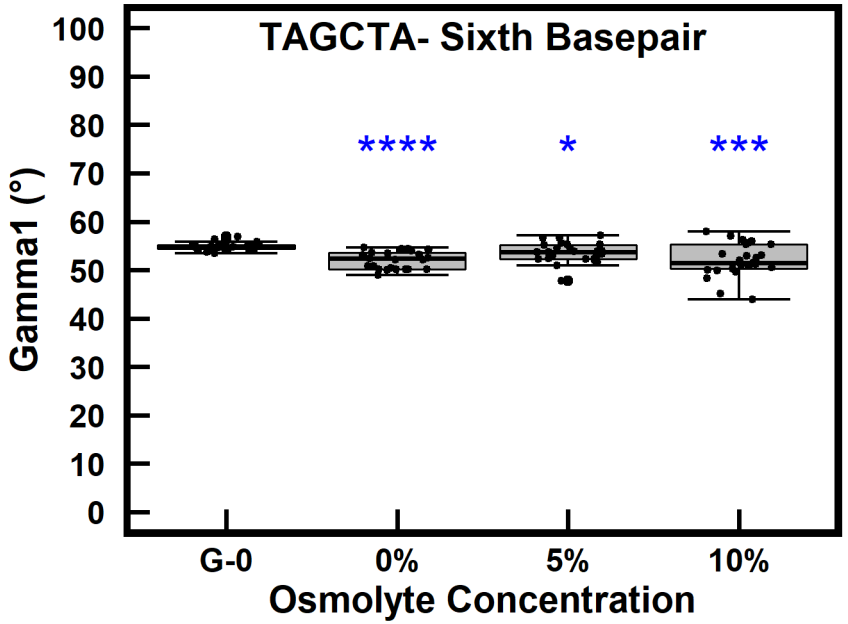
Osmolyte Concentration


TAGCTA- Sixth Basepair
Gamma1 (°)
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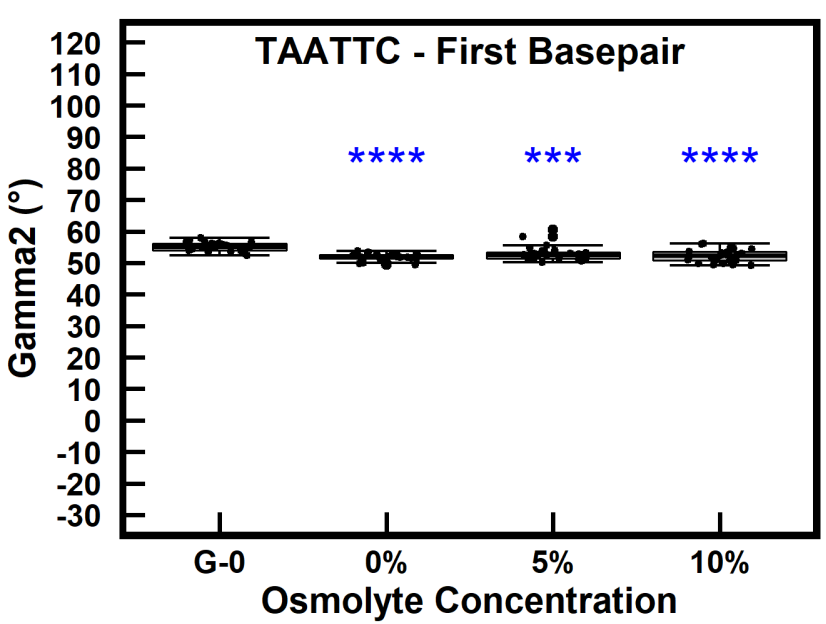
Osmolyte Concentration

Gamma2


TAATTC - First Basepair
Gamma2 (°)
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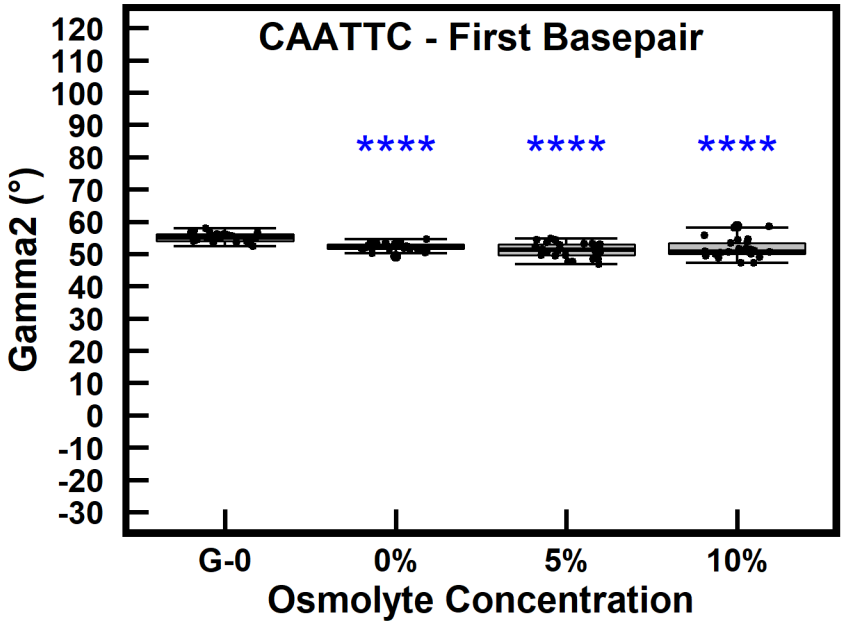
Osmolyte Concentration


CAATTC - First Basepair
Gamma2 (°)
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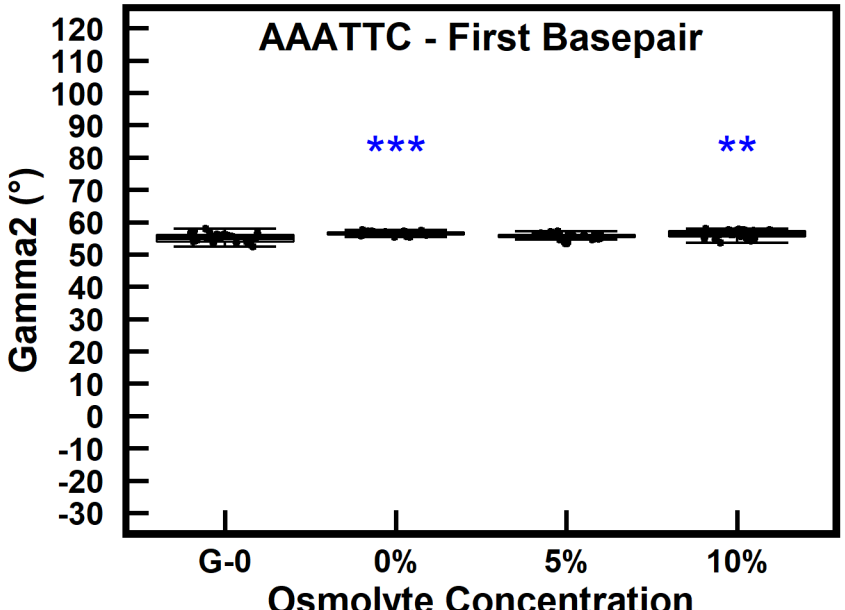
Osmolyte Concentration


AAATTC - First Basepair
Gamma2 (°)
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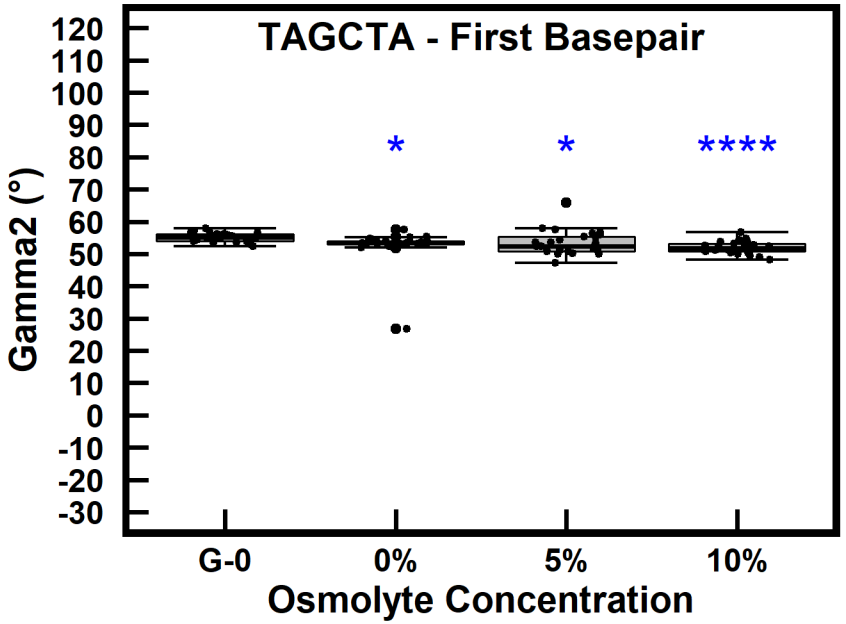
Osmolyte Concentration


TAGCTA - First Basepair
Gamma2 (°)
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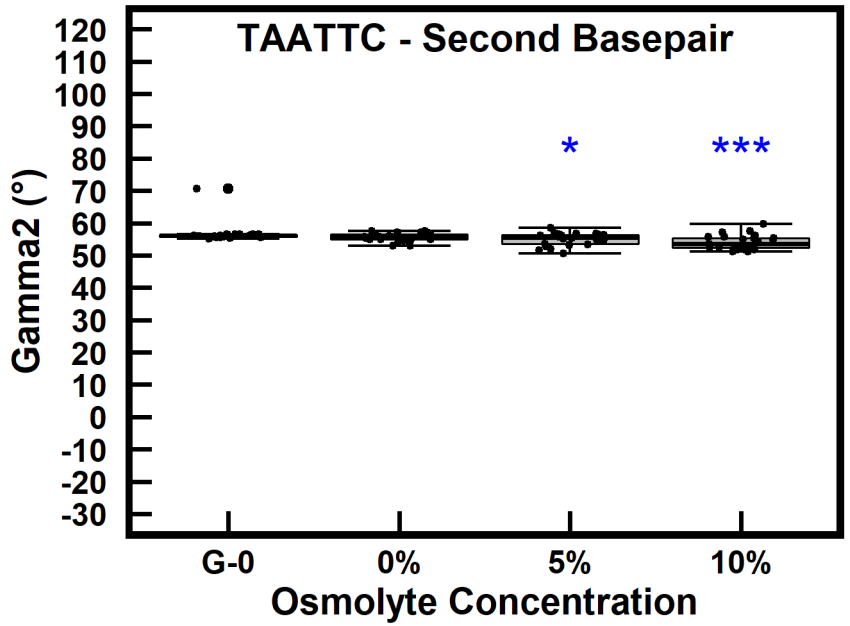
Osmolyte Concentration


TAATTC - Second Basepair
Gamma2 (°)
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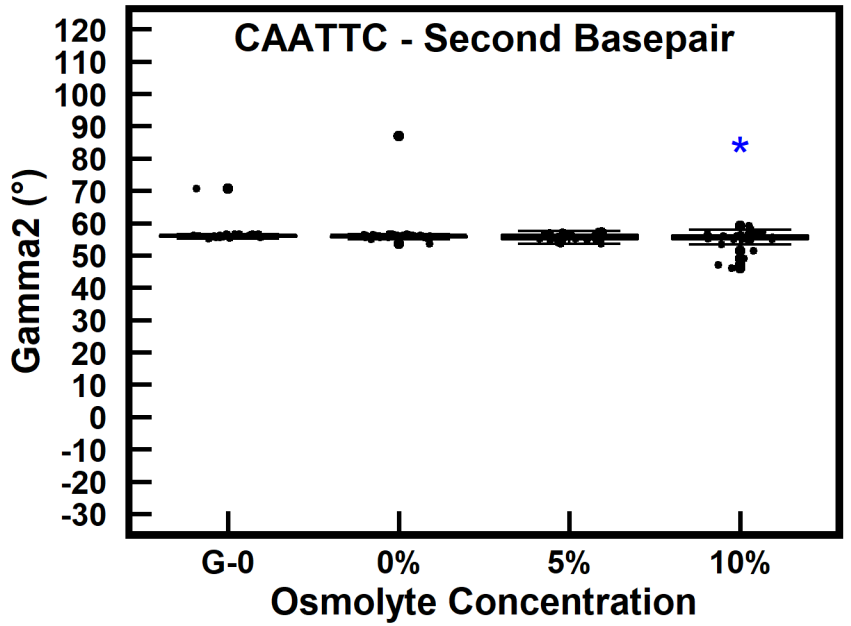
Osmolyte Concentration


CAATTC - Second Basepair
Gamma2 (°)
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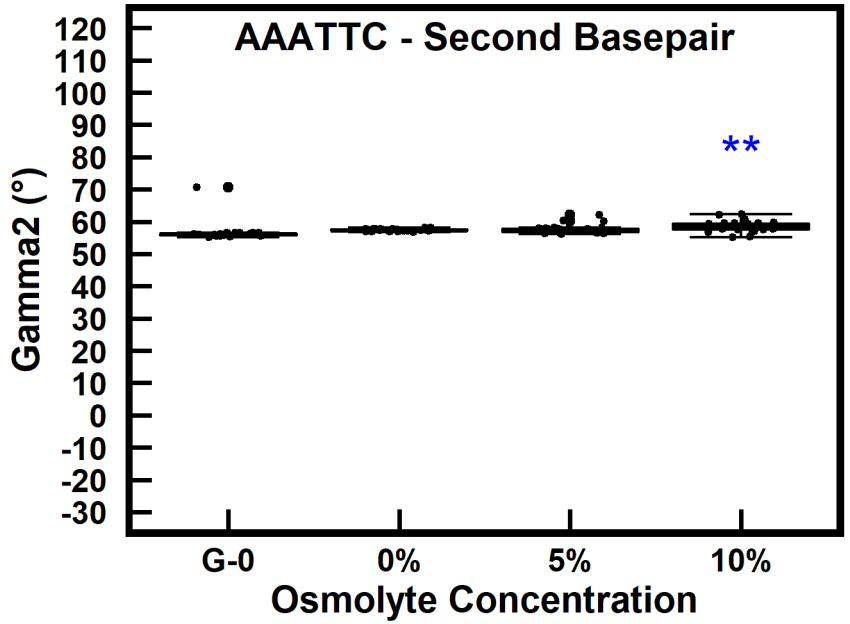
Osmolyte Concentration


AAATTC - Second Basepair
Gamma2 (°)
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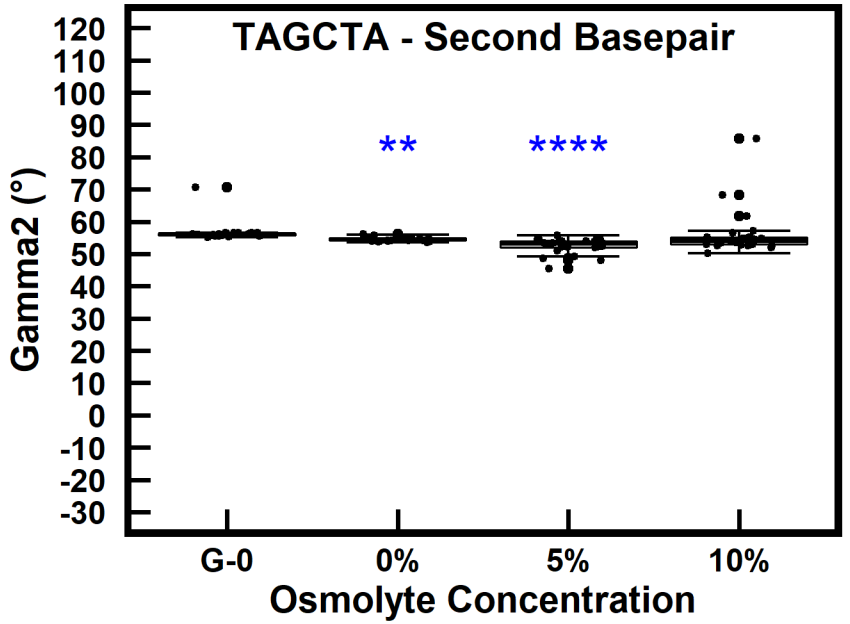
Osmolyte Concentration


TAGCTA - Second Basepair
Gamma2 (°)
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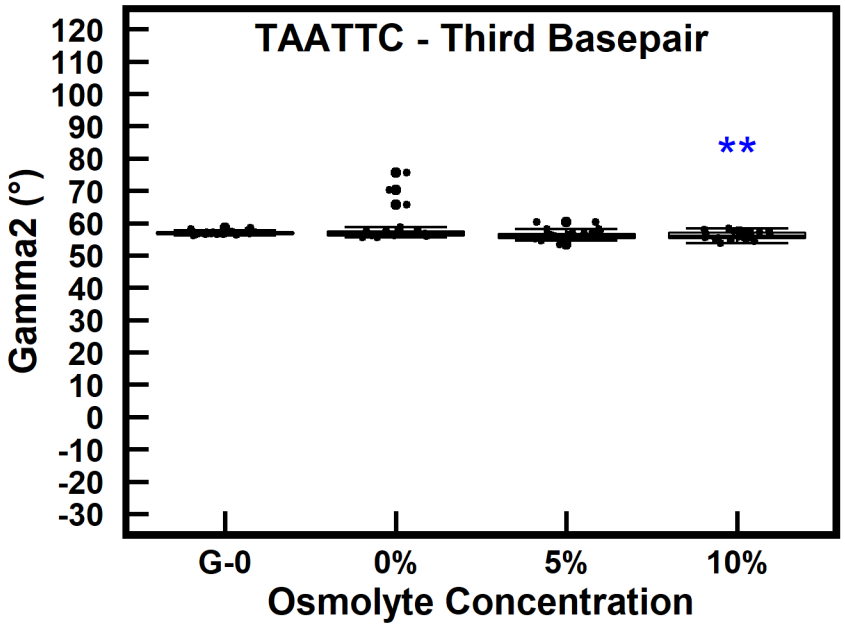
Osmolyte Concentration


TAATTC - Third Basepair
Gamma2 (°)
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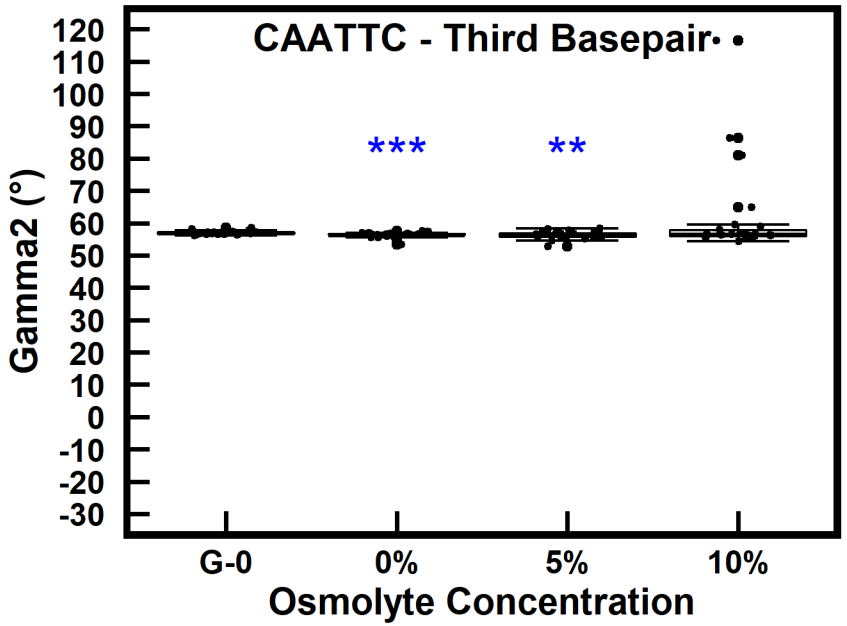
Osmolyte Concentration


CAATTC - Third Basepair
Gamma2 (°)
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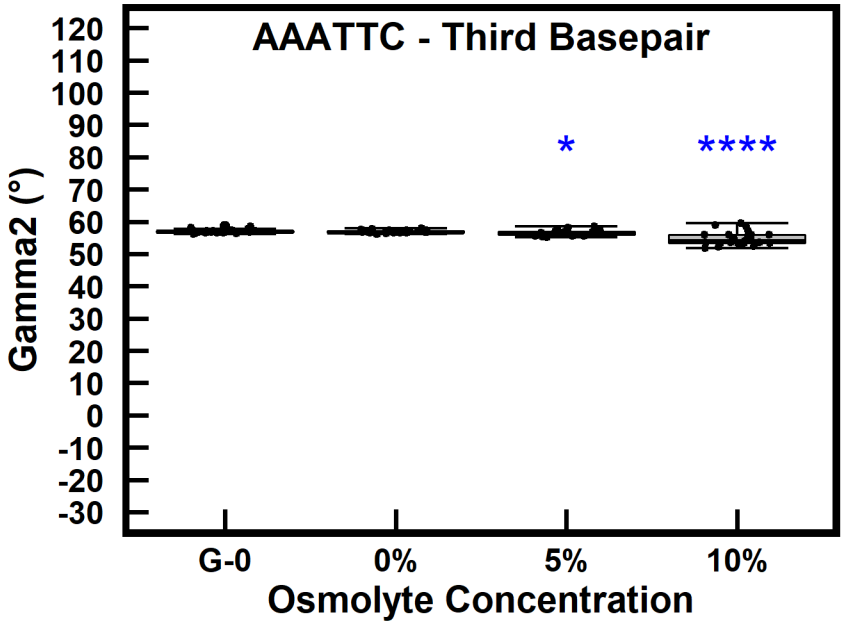
Osmolyte Concentration


AAATTC - Third Basepair
Gamma2 (°)
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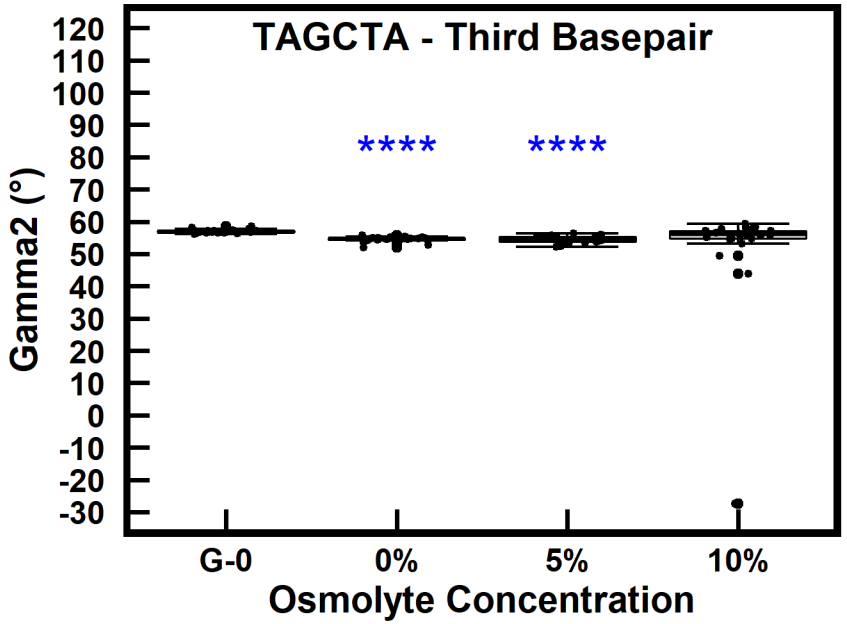
Osmolyte Concentration


TAGCTA - Third Basepair
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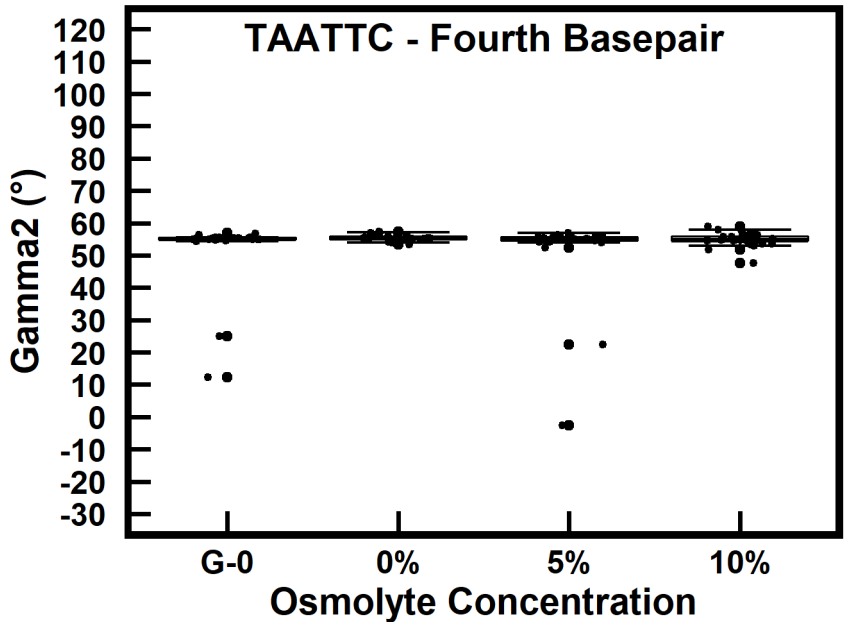
Osmolyte Concentration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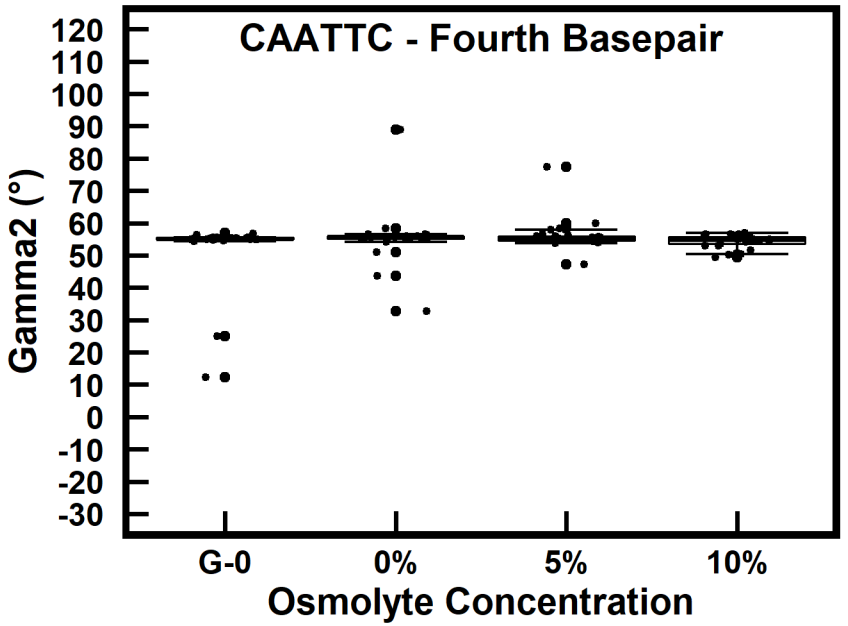
Osmolyte Concentration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Gamma2 (°)
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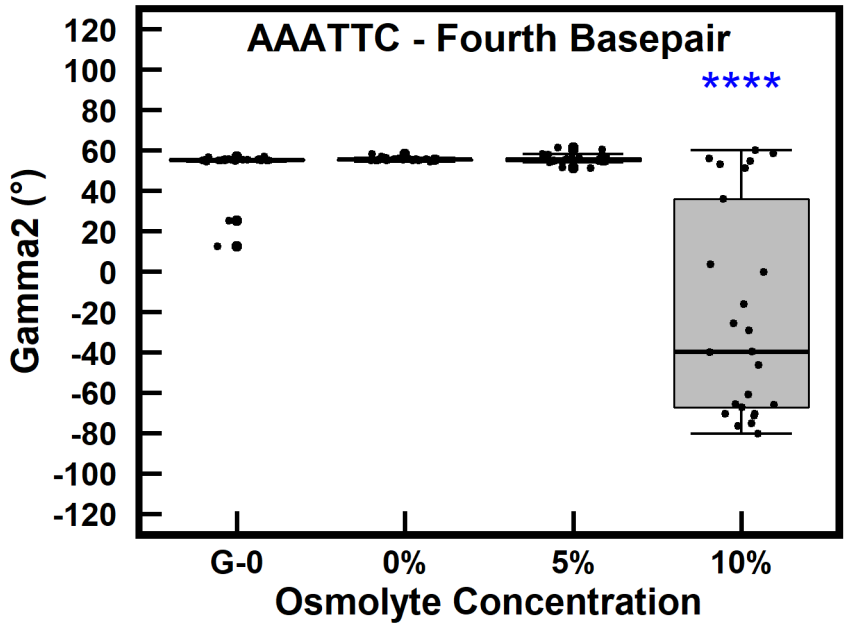
Osmolyte Concentration


AAATTC - Fourth Basepair
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Gamma2 (°)
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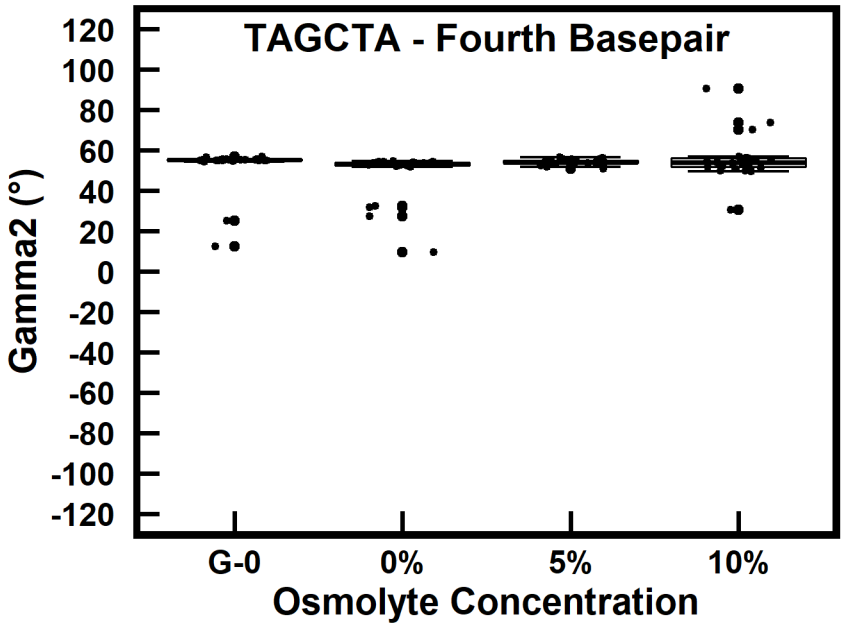
TAGCTA - Fourth Basepair
Gamma2 (°)
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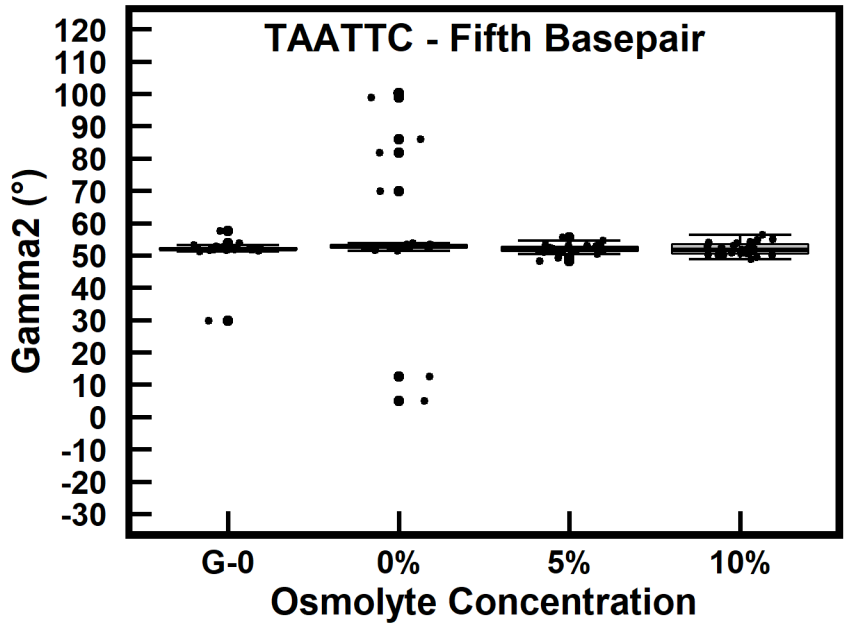
Osmolyte Concentration


TAATTC - Fifth Basepair
Gamma2 (°)
120
110
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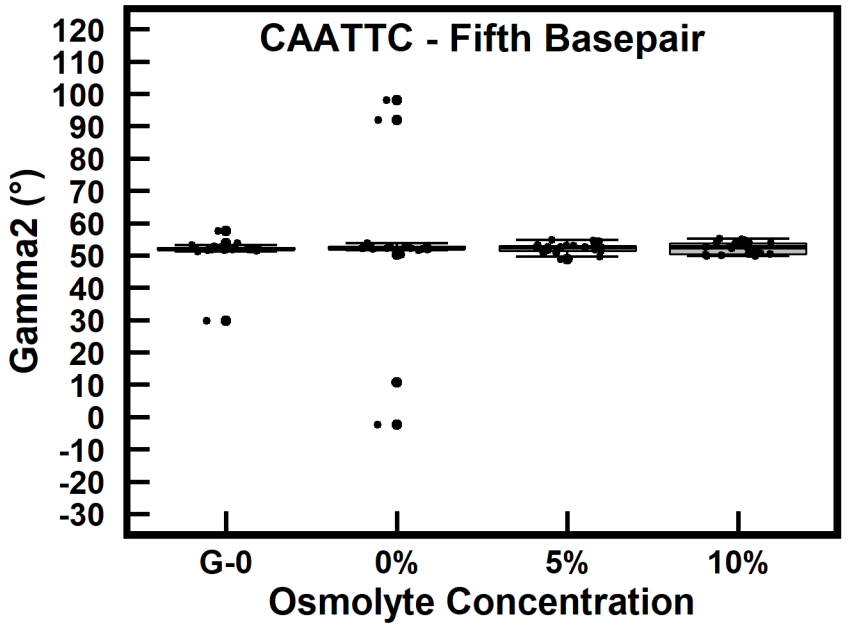
Osmolyte Concentration


CAATTC - Fifth Basepair
Gamma2 (°)
120
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G-0
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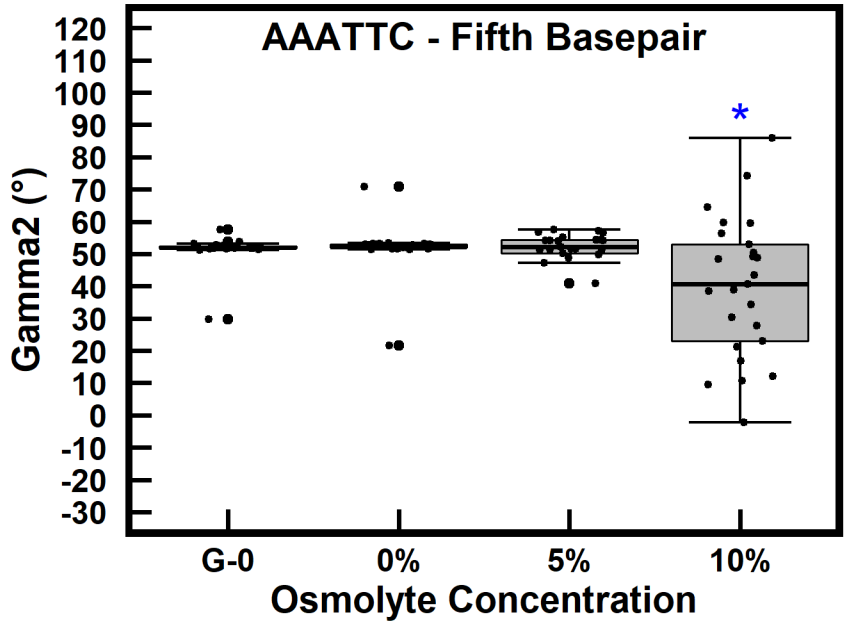
Osmolyte Concentration


AAATTC - Fifth Basepair
Gamma2 (°)
120
110
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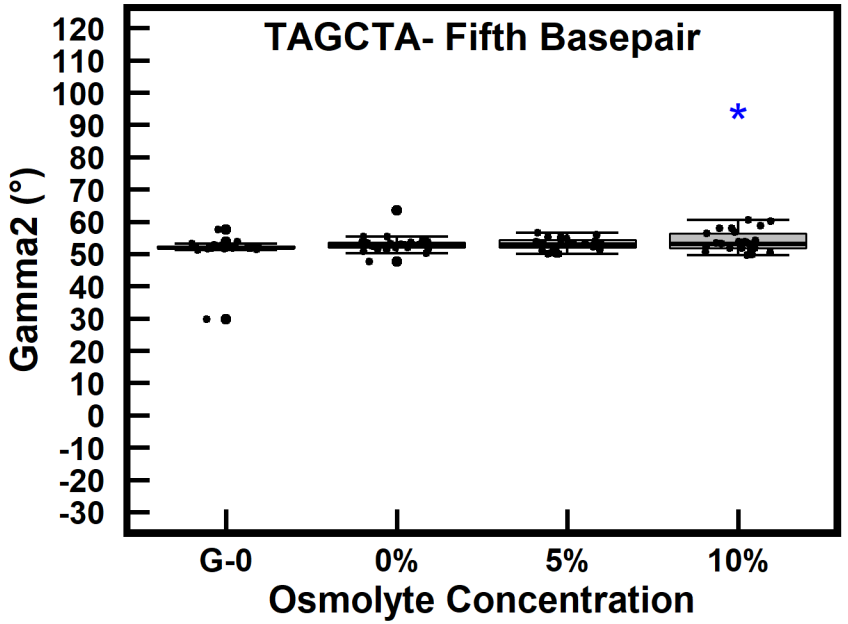
Osmolyte Concentration


TAGCTA- Fifth Basepair
Gamma2 (°)
120
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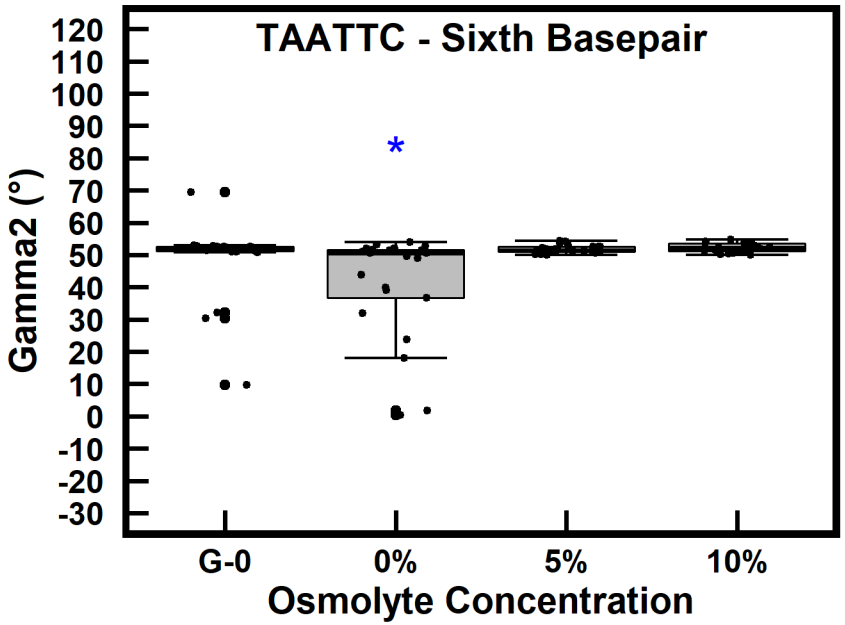
Osmolyte Concentration


TAATTC - Sixth Basepair
Gamma2 (°)
120
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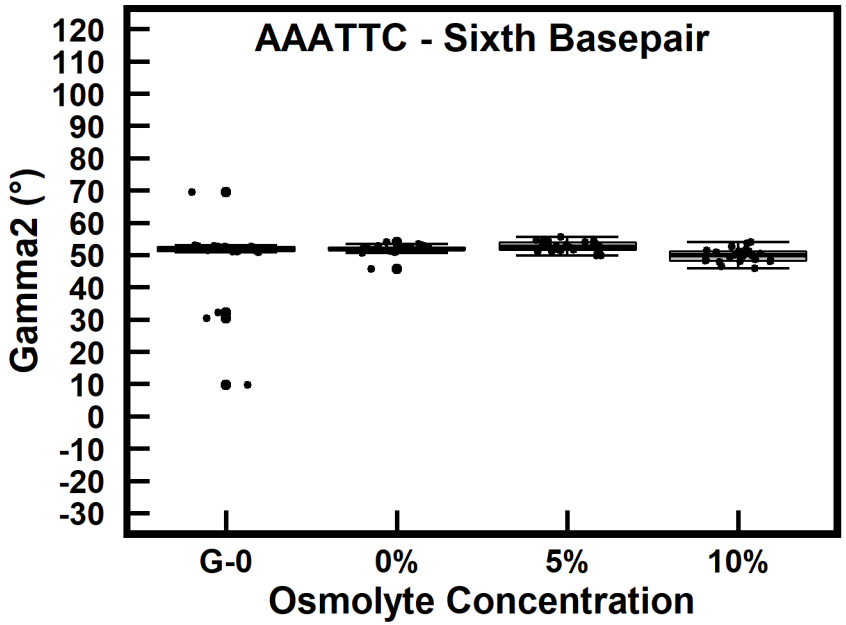
Osmolyte Concentration


AAATTC - Sixth Basepair
Gamma2 (°)
120
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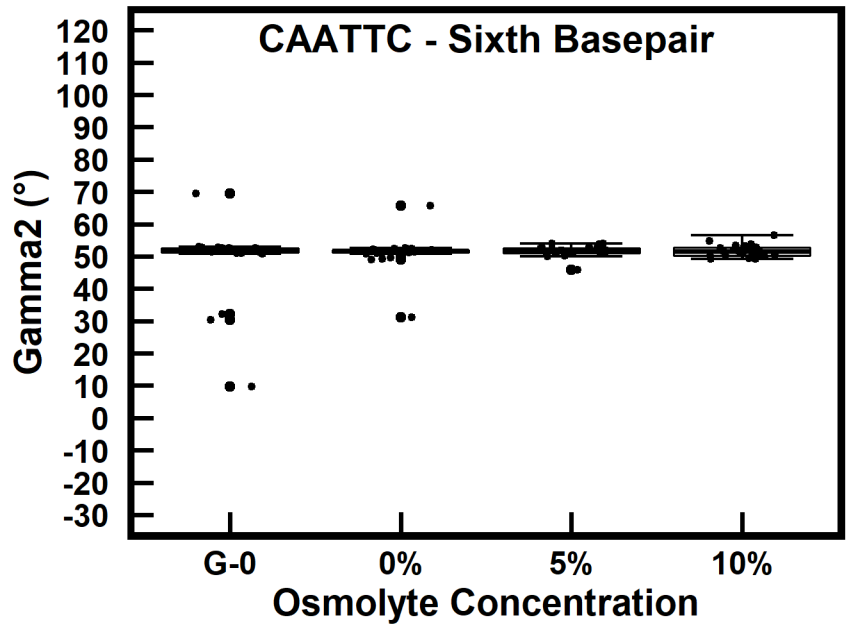
Osmolyte Concentration


CAATTC - Sixth Basepair
Gamma2 (°)
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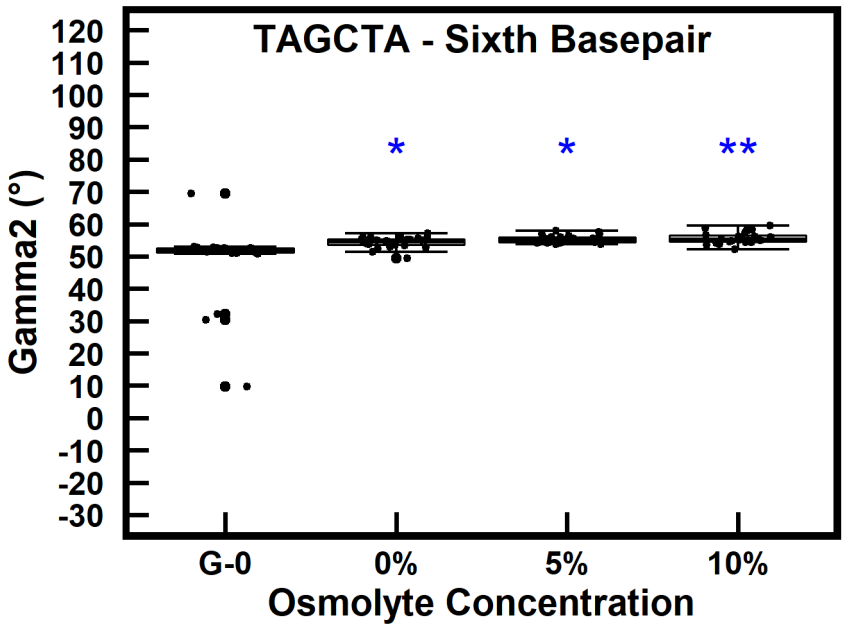
Osmolyte Concentration


TAGCTA - Sixth Basepair
Gamma2 (°)
120
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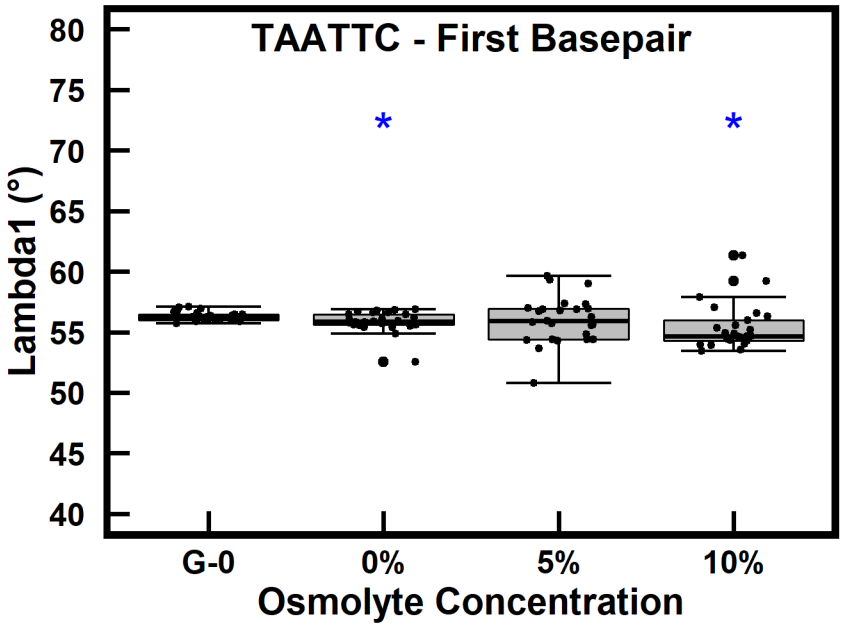
Osmolyte Concentration

Lambda1


TAATTC - First Basepair
Lambda1 (°)
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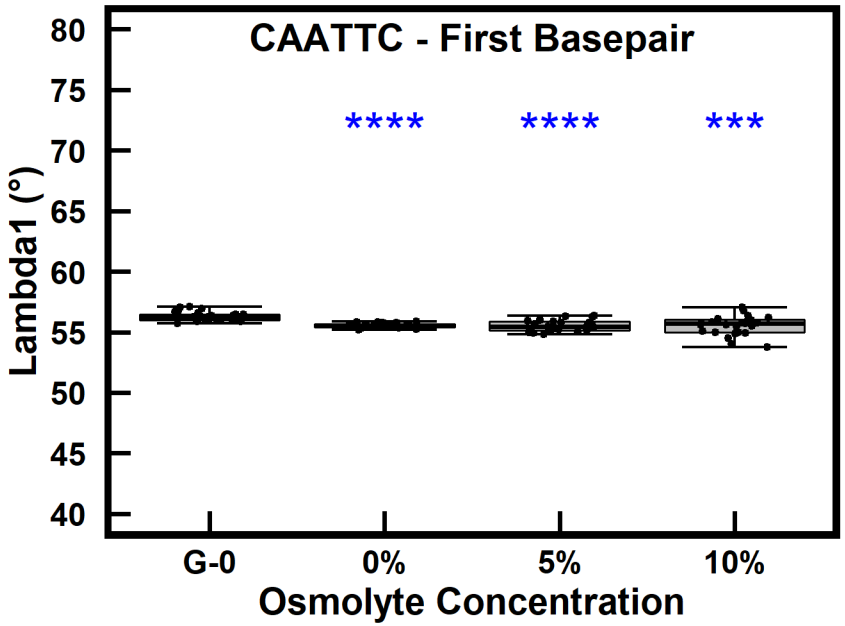
Osmolyte Concentration


CAATTC - First Basepair
Lambda1 (°)
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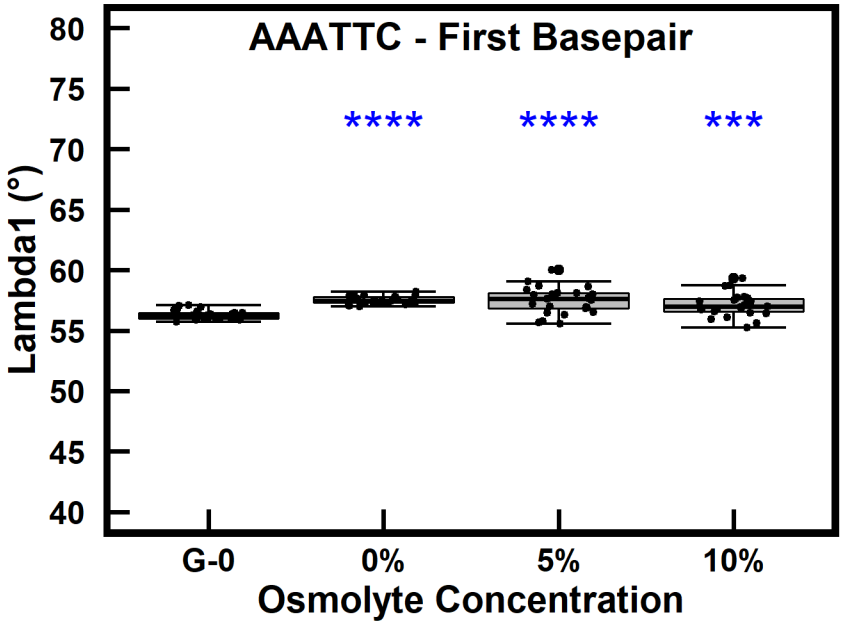
Osmolyte Concentration


AAATTC - First Basepair
Lambda1 (°)
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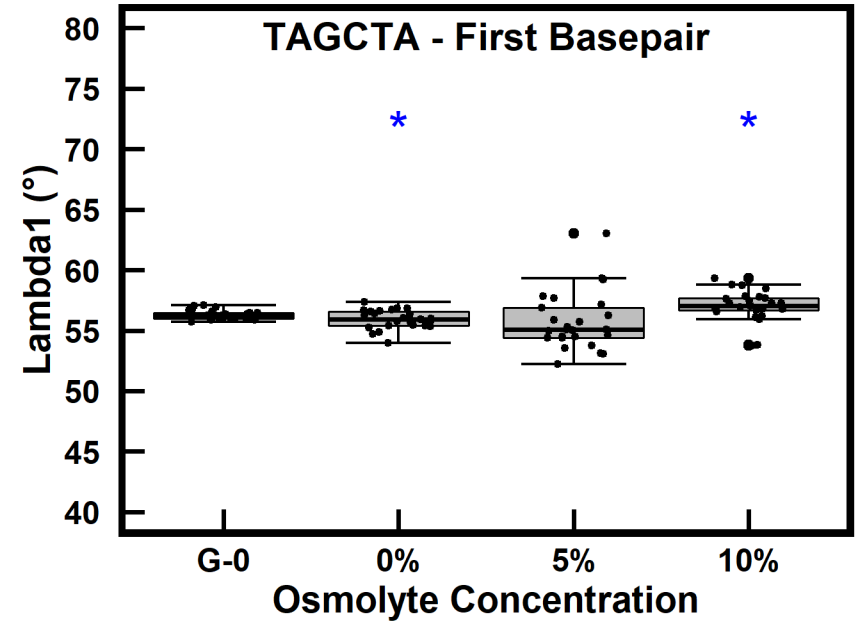
Osmolyte Concentration


TAGCTA - First Basepair
Lambda1 (°)
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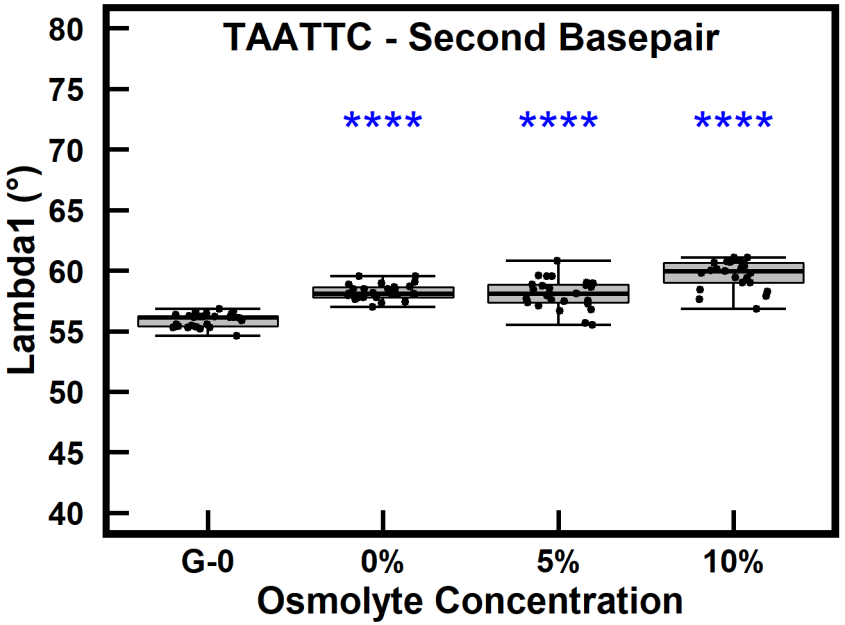
Osmolyte Concentration


TAATTC - Second Basepair
Lambda1 (°)
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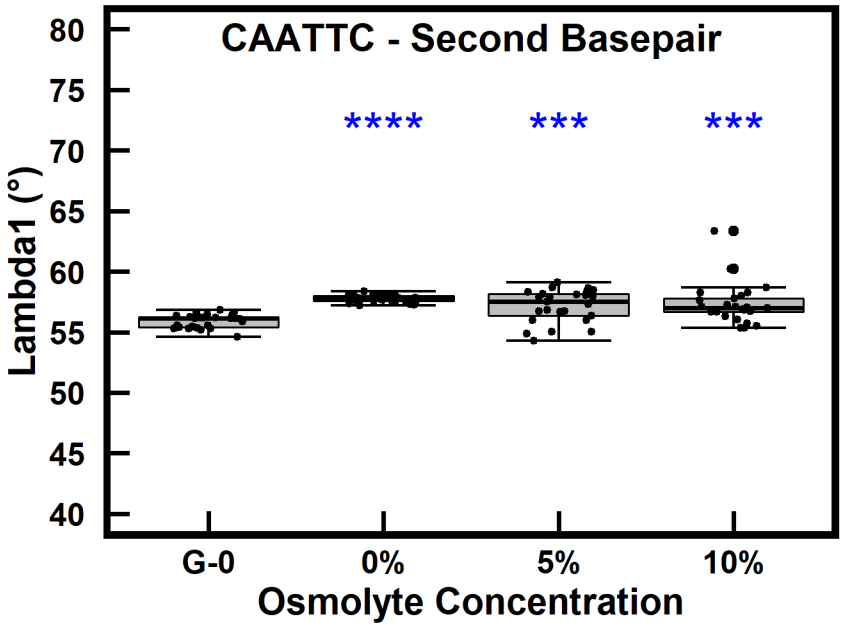
Osmolyte Concentration


CAATTC - Second Basepair
Lambda1 (°)
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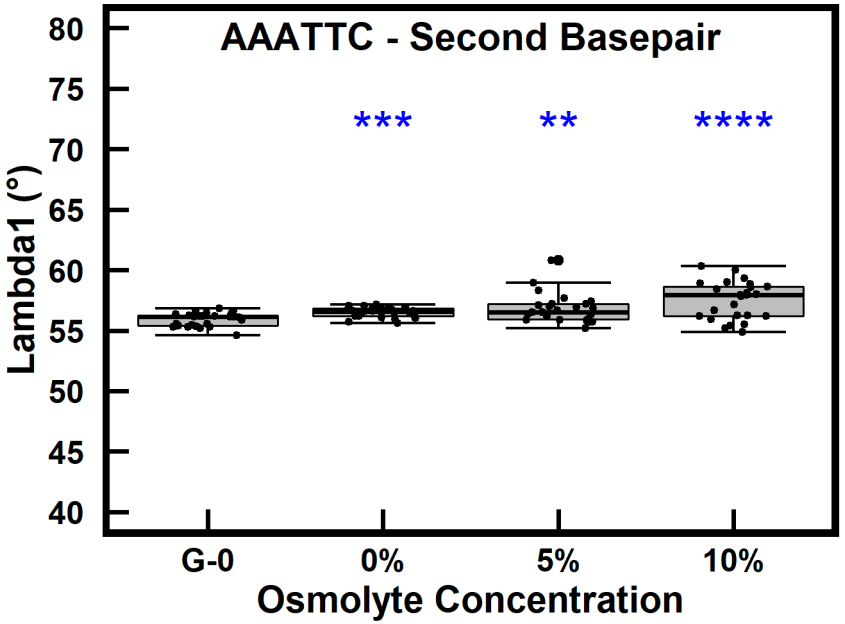
Osmolyte Concentration


AAATTC - Second Basepair
Lambda1 (°)
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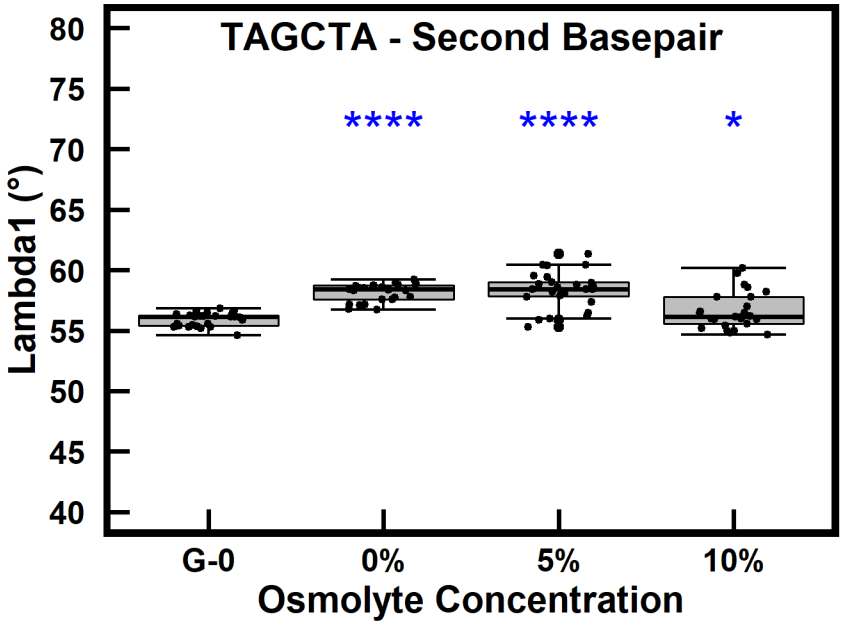
Osmolyte Concentration


TAGCTA - Second Basepair
Lambda1 (°)
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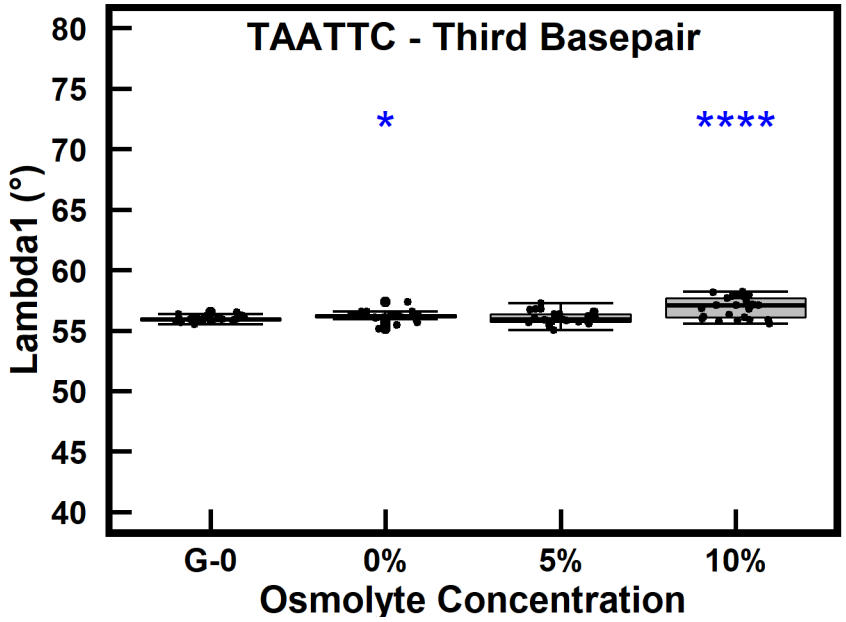
Osmolyte Concentration


TAATTC - Third Basepair
Lambda1 (°)
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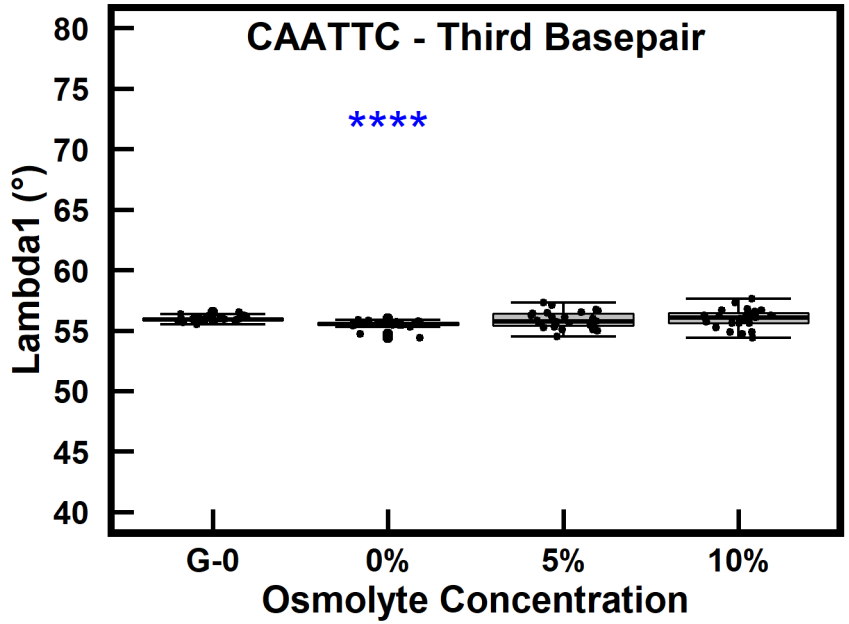
Osmolyte Concentration


CAATTC - Third Basepair
Lambda1 (°)
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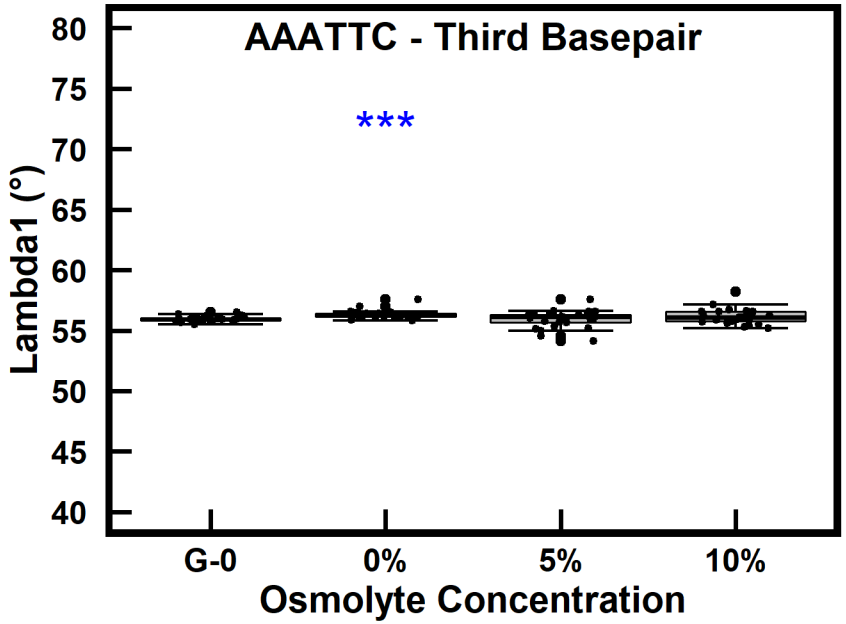
Osmolyte Concentration


AAATTC - Third Basepair
Lambda1 (°)
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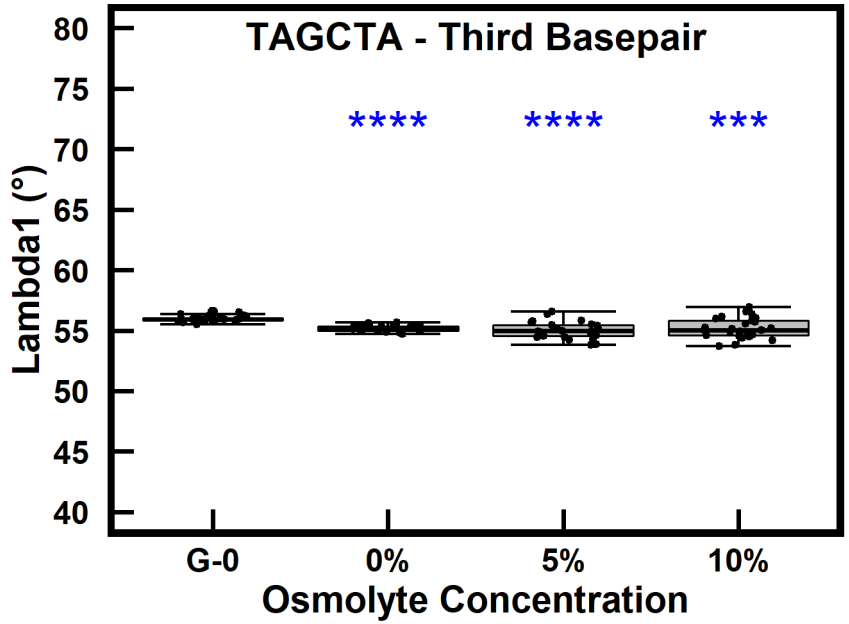
Osmolyte Concentration


TAGCTA - Third Basepair
Lambda1 (°)
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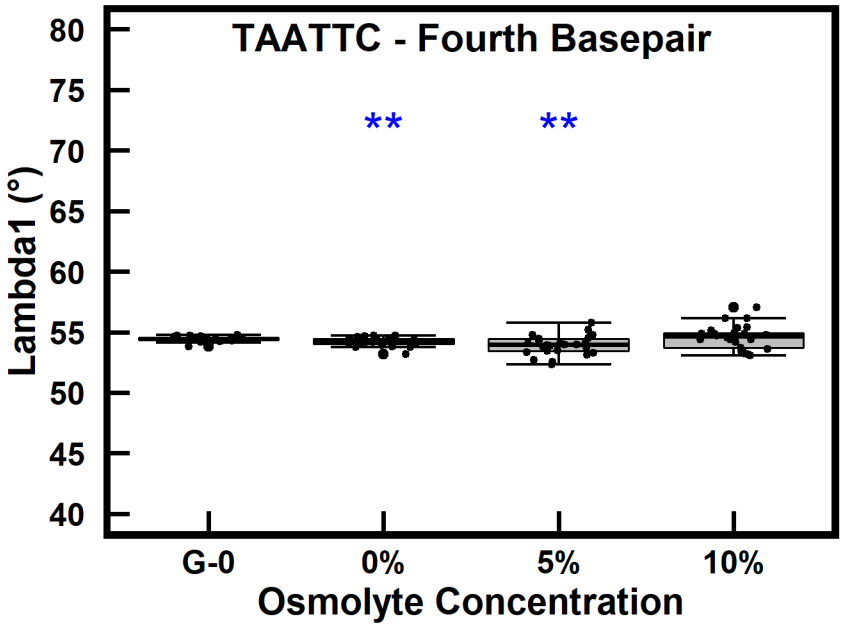
Osmolyte Concentration


TAATTC - Fourth Basepair
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Lambda1 (°)
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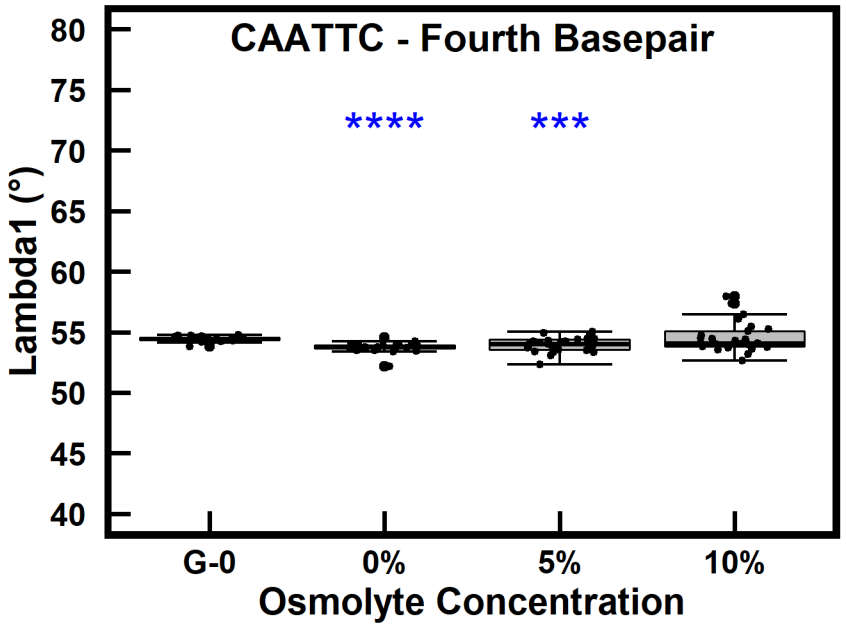
Osmolyte Concentration


CAATTC - Fourth Basepair
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Lambda1 (°)
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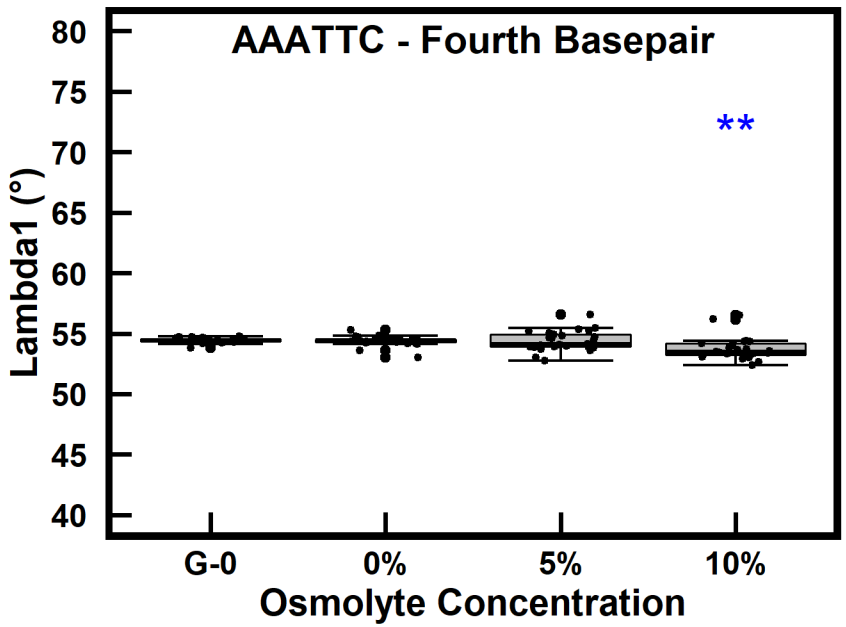
Osmolyte Concentration


AAATTC - Fourth Basepair
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Lambda1 (°)
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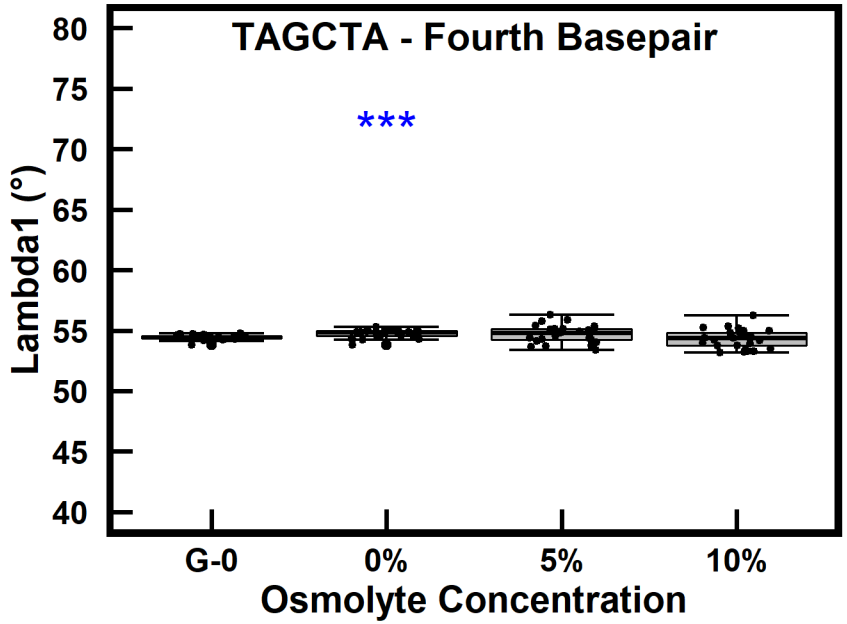
Osmolyte Concentration


TAGCTA - Fourth Basepair
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Lambda1 (°)
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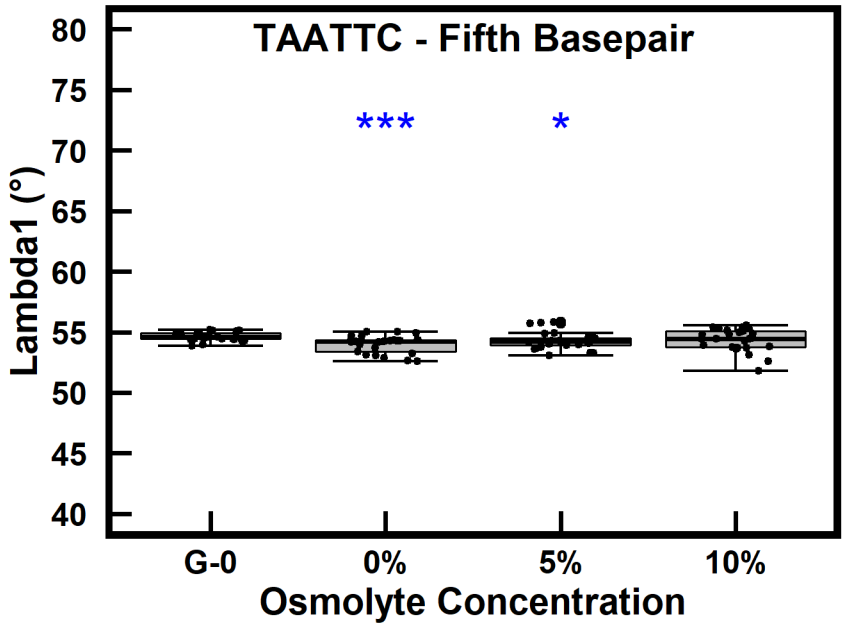
Osmolyte Concentration


TAATTC - Fifth Basepair
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Lambda1 (°)
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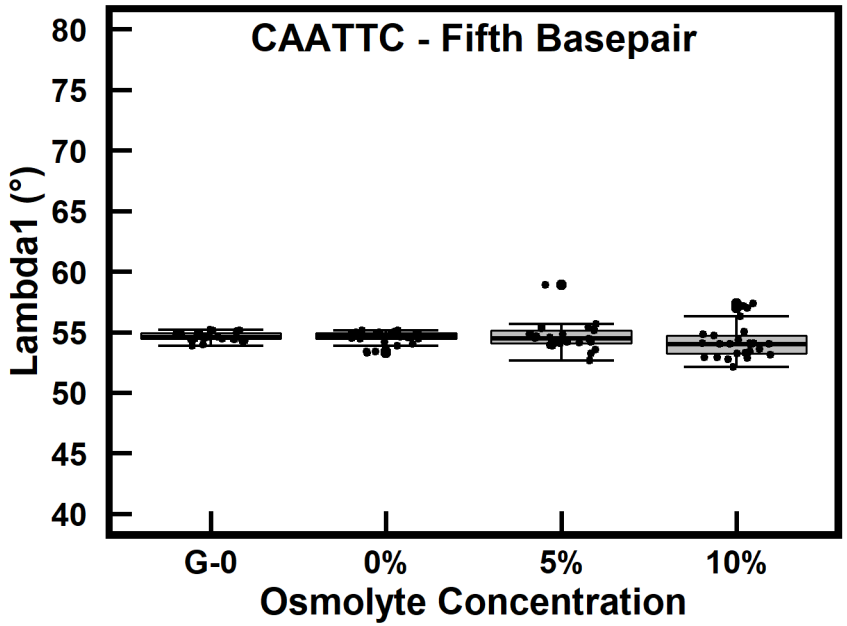
Osmolyte Concentration


CAATTC - Fifth Basepair
Lambda1 (°)
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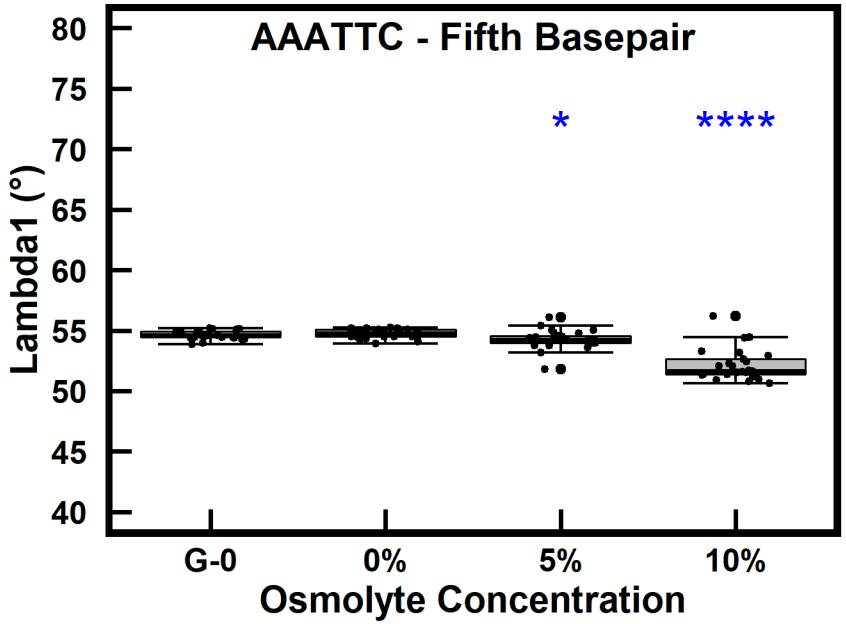
Osmolyte Concentration


AAATTC - Fifth Basepair
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Lambda1 (°)
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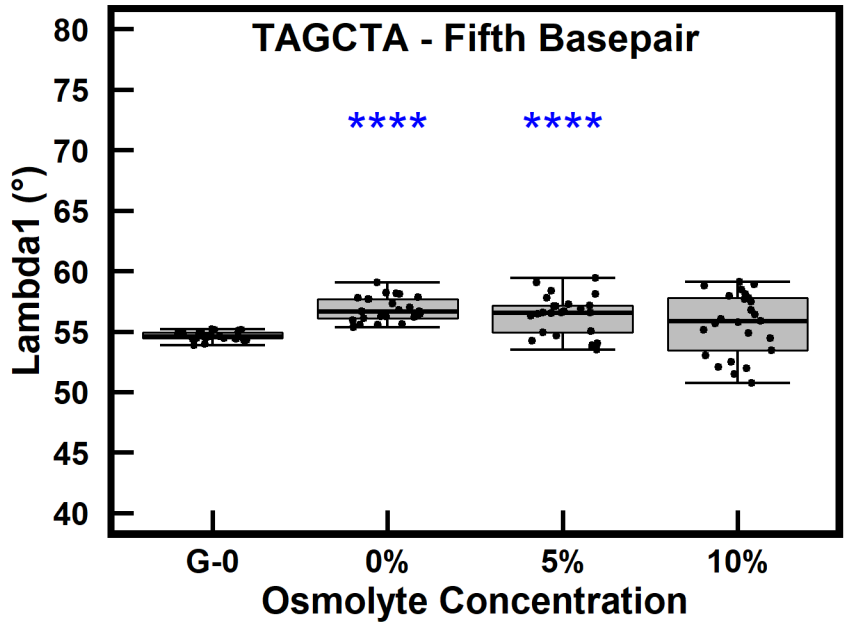
Osmolyte Concentration


TAGCTA - Fifth Basepair
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Lambda1 (°)
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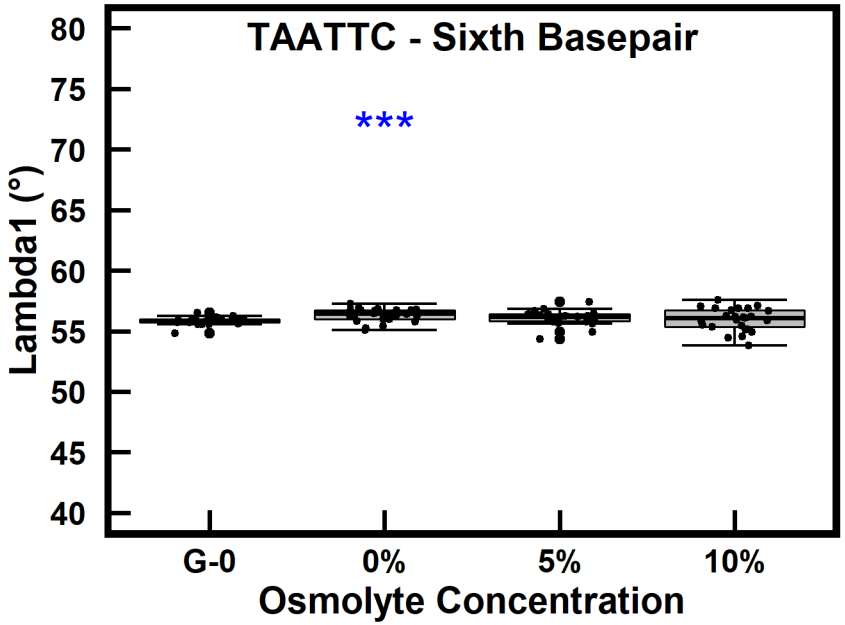
Osmolyte Concentration


TAATTC - Sixth Basepair
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Lambda1 (°)
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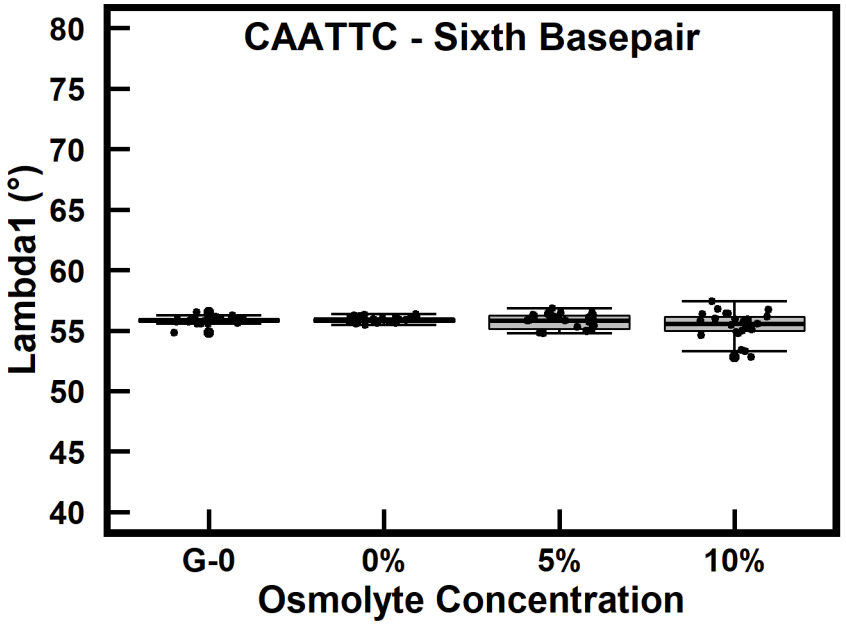
Osmolyte Concentration


CAATTC - Sixth Basepair
Lambda1 (°)
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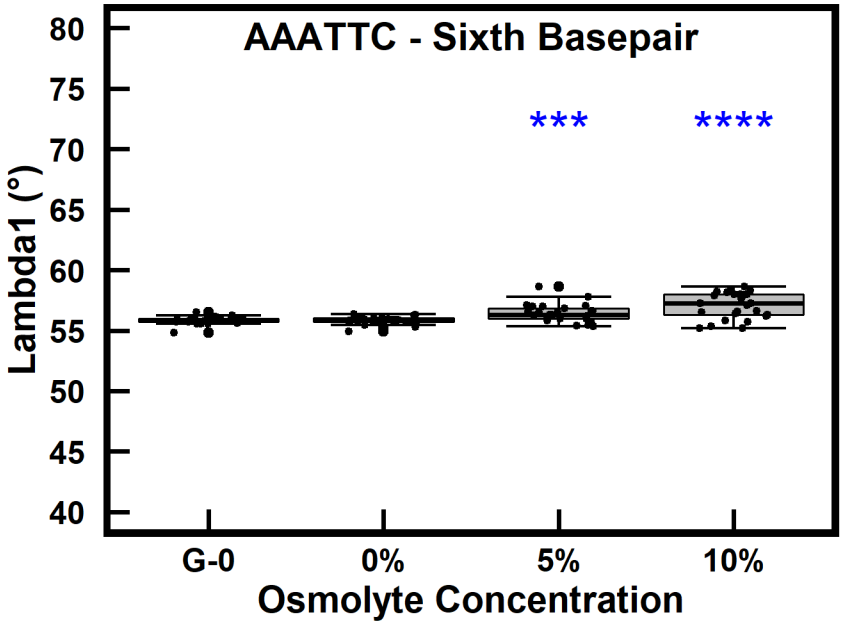
Osmolyte Concentration


AAATTC - Sixth Basepair
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****
Lambda1 (°)
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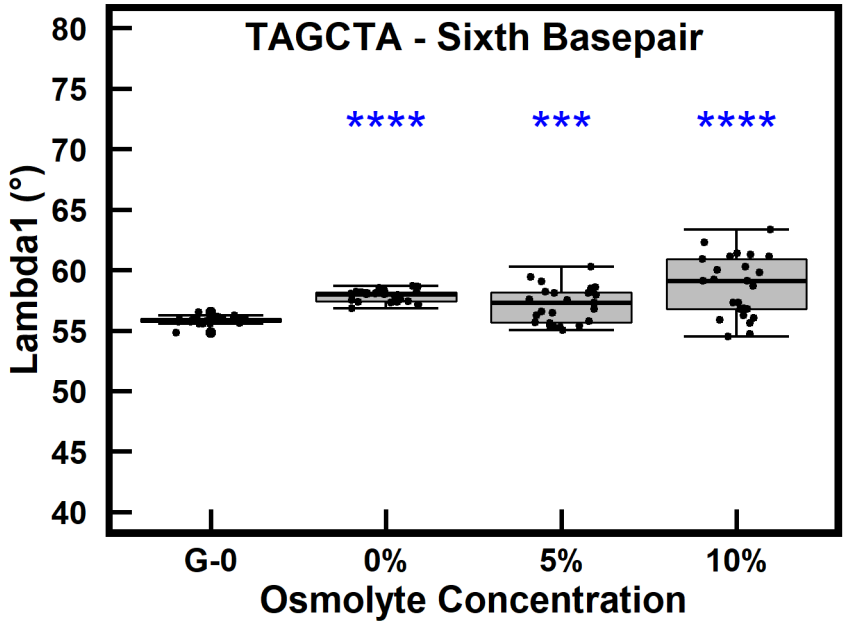
Osmolyte Concentration


TAGCTA - Sixth Basepair
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****
Lambda1 (°)
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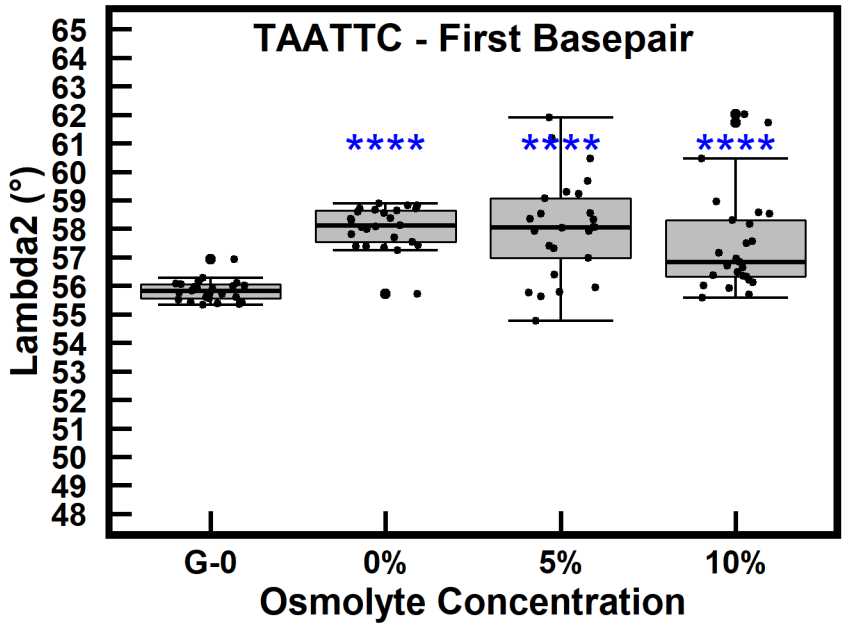
Osmolyte Concentration

Lambda2


TAATTC - First Basepair
Lambda2 (°)
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62
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48
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G-0
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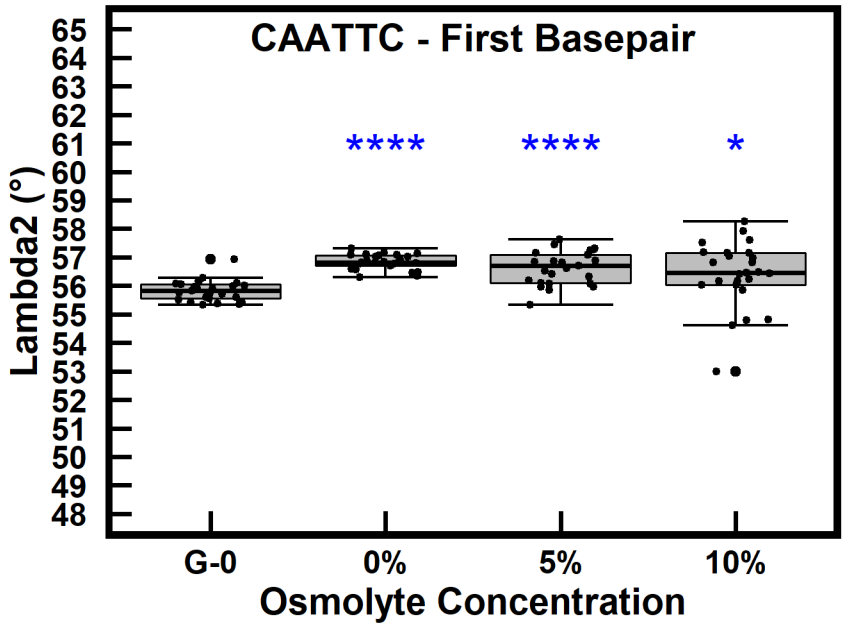
Osmolyte Concentration


CAATTC - First Basepair
Lambda2 (°)
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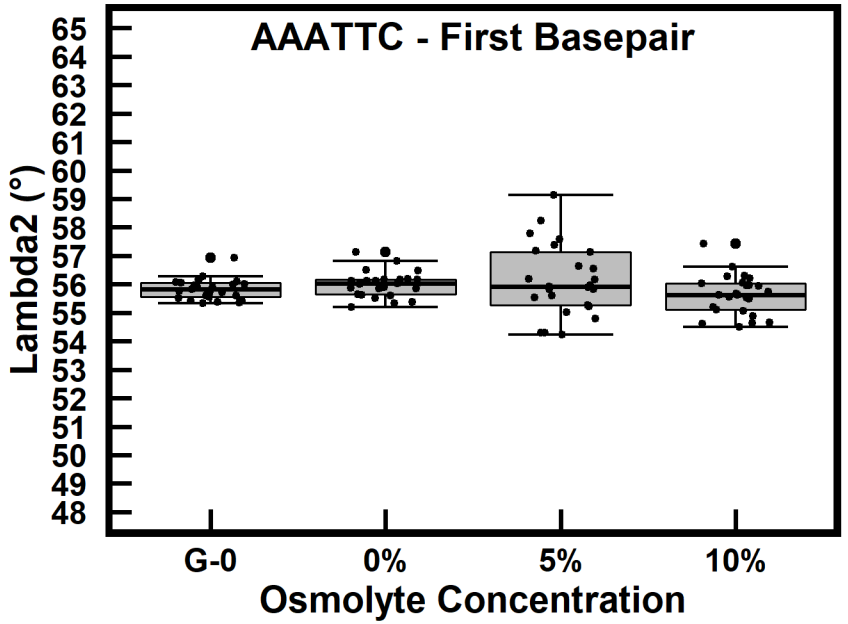
Osmolyte Concentration


AAATTC - First Basepair
Lambda2 (°)
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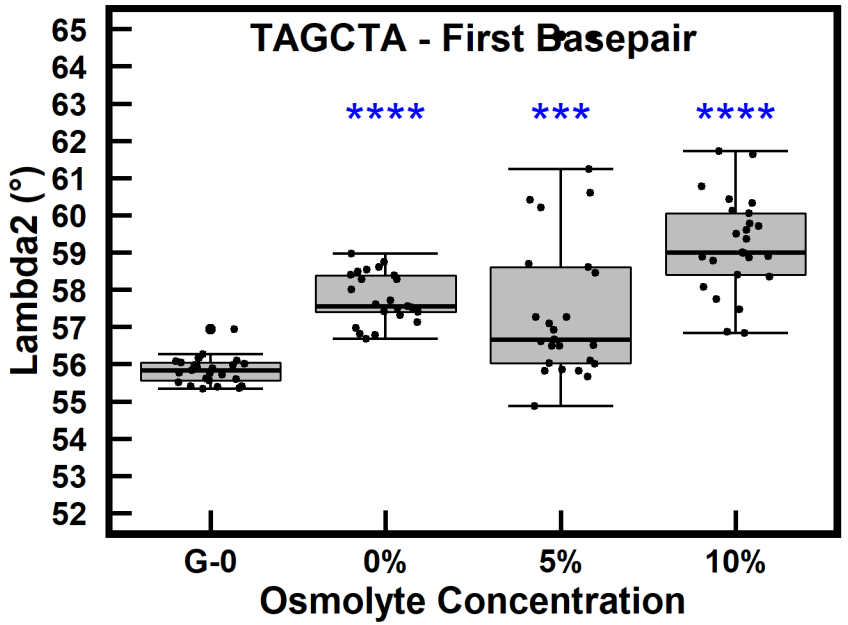
Osmolyte Concentration


TAGCTA - First Basepair
Lambda2 (°)
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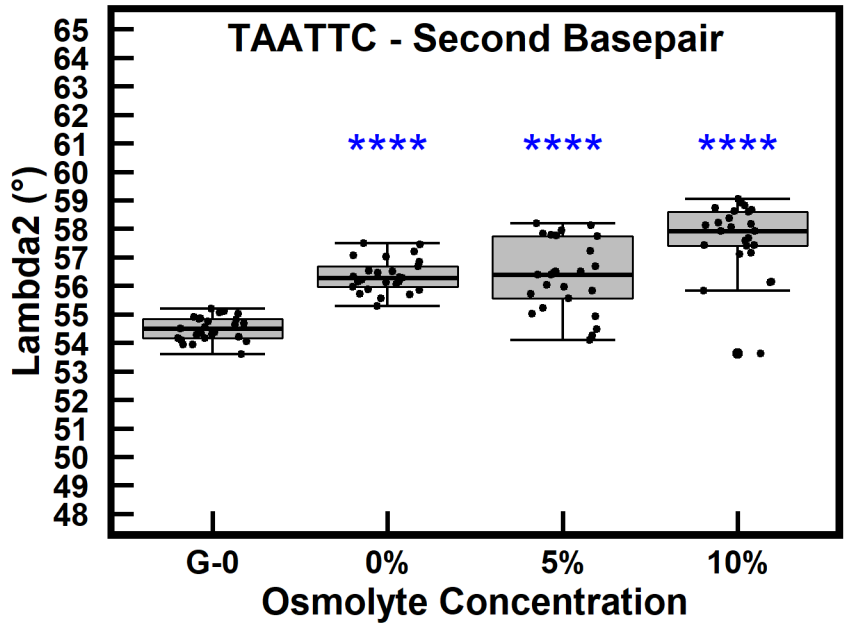
Osmolyte Concentration


TAATTC - Second Basepair
Lambda2 (°)
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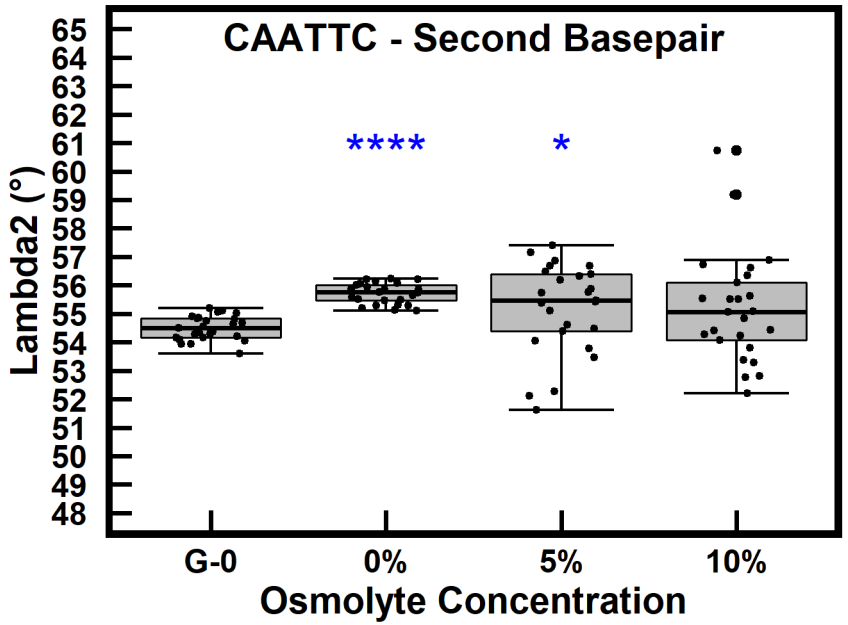
Osmolyte Concentration


CAATTC - Second Basepair
Lambda2 (°)
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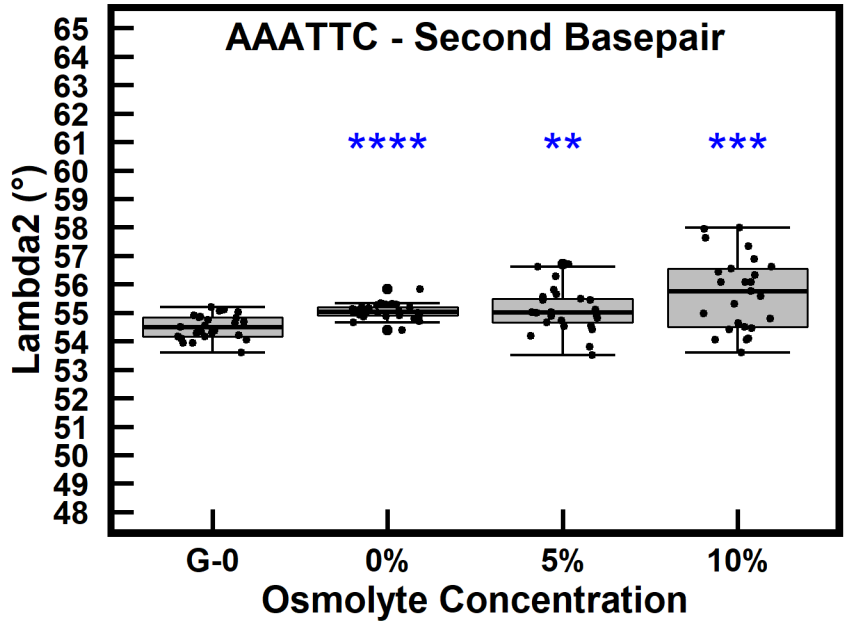
Osmolyte Concentration


AAATTC - Second Basepair
Lambda2 (°)
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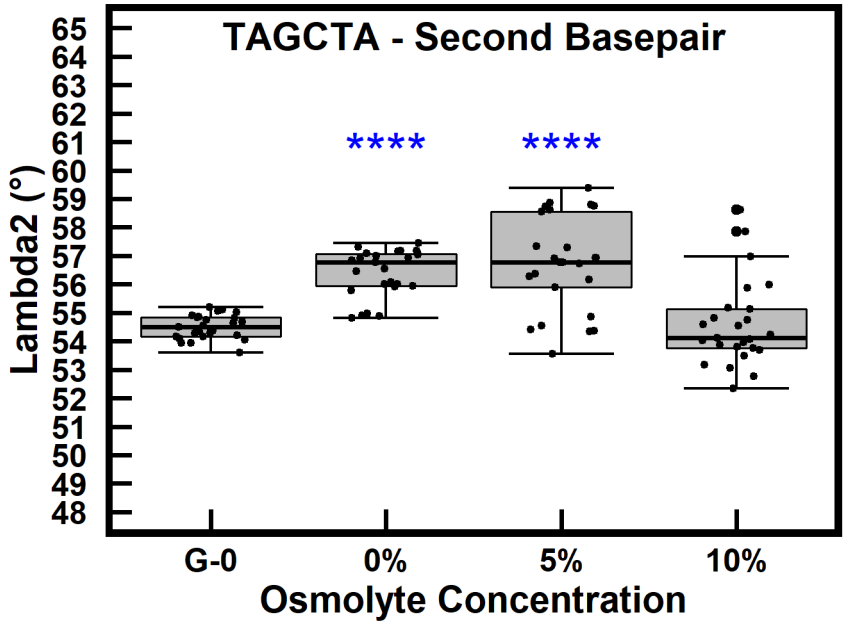
Osmolyte Concentration


TAGCTA - Second Basepair
Lambda2 (°)
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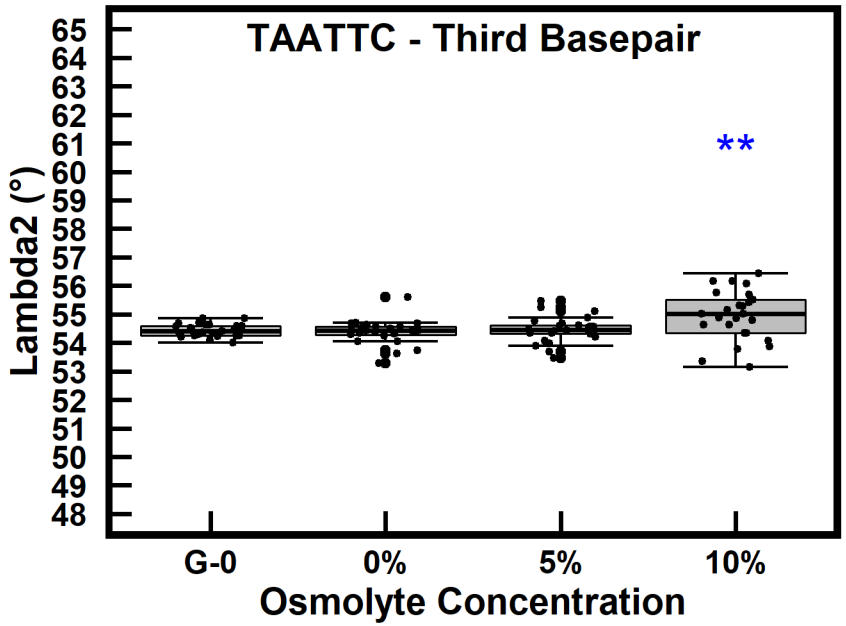
Osmolyte Concentration


TAATTC - Third Basepair
Lambda2 (°)
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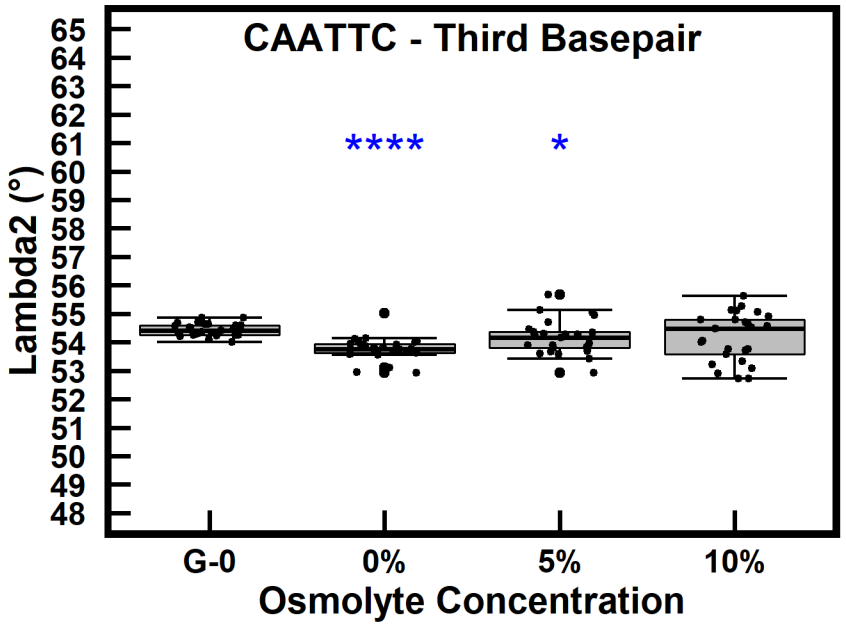
Osmolyte Concentration


CAATTC - Third Basepair
Lambda2 (°)
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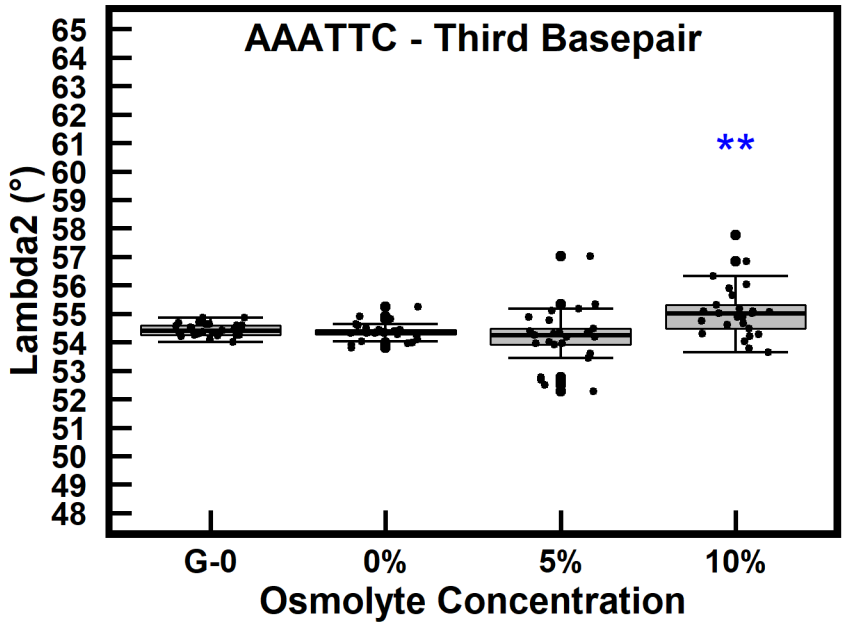
Osmolyte Concentration


AAATTC - Third Basepair
Lambda2 (°)
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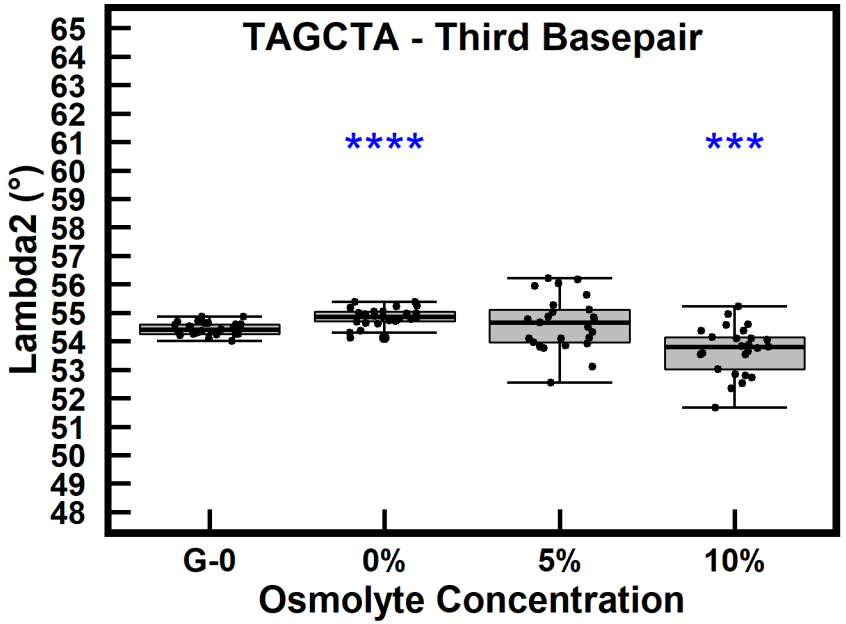
TAGCTA - Third Basepair
Lambda2 (°)
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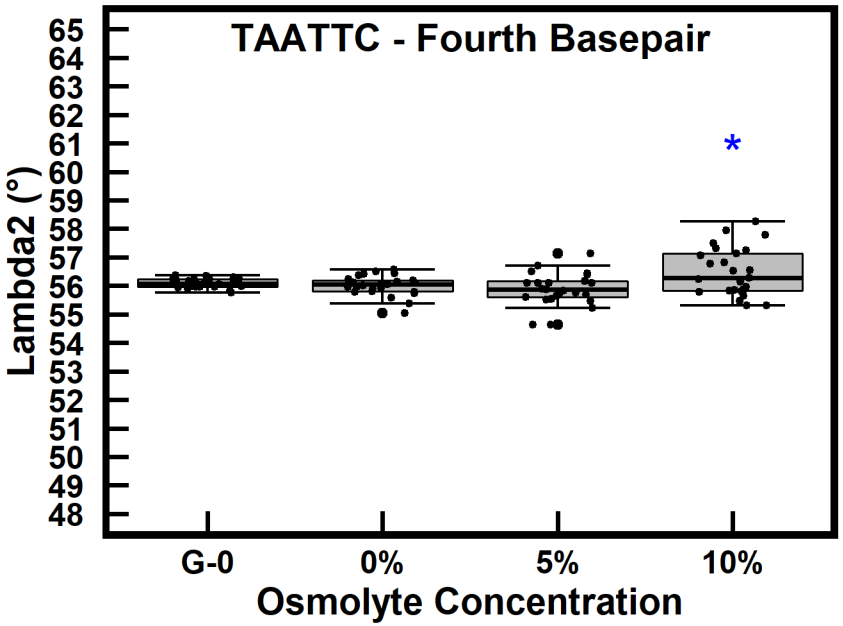
Osmolyte Concentration


TAATTC - Fourth Basepair
Lambda2 (°)
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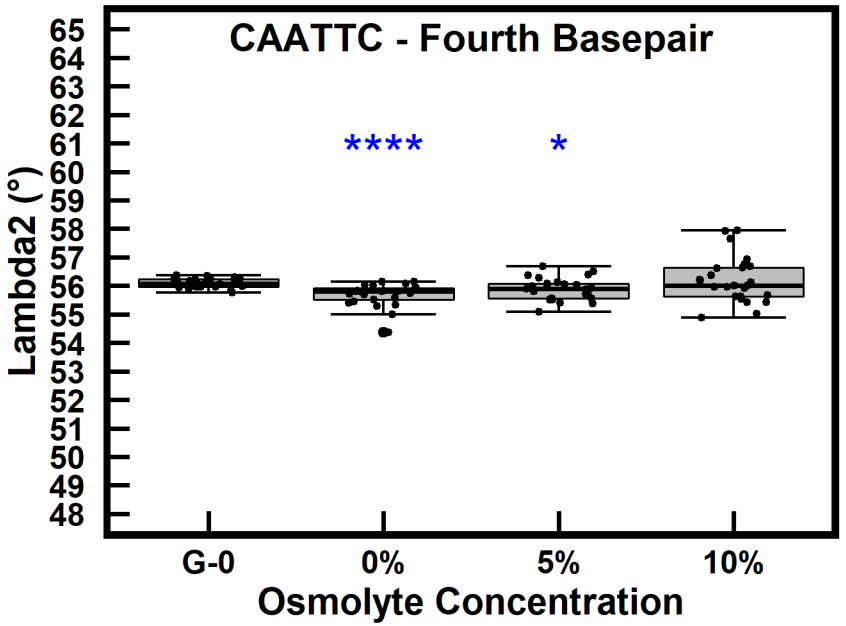
Osmolyte Concentration


CAATTC - Fourth Basepair
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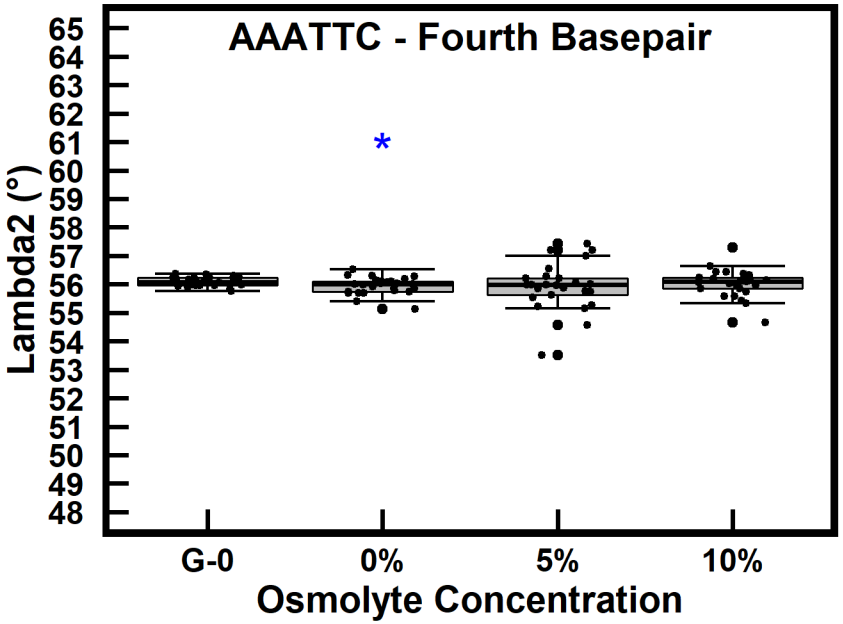
Osmolyte Concentration


AAATTC - Fourth Basepair
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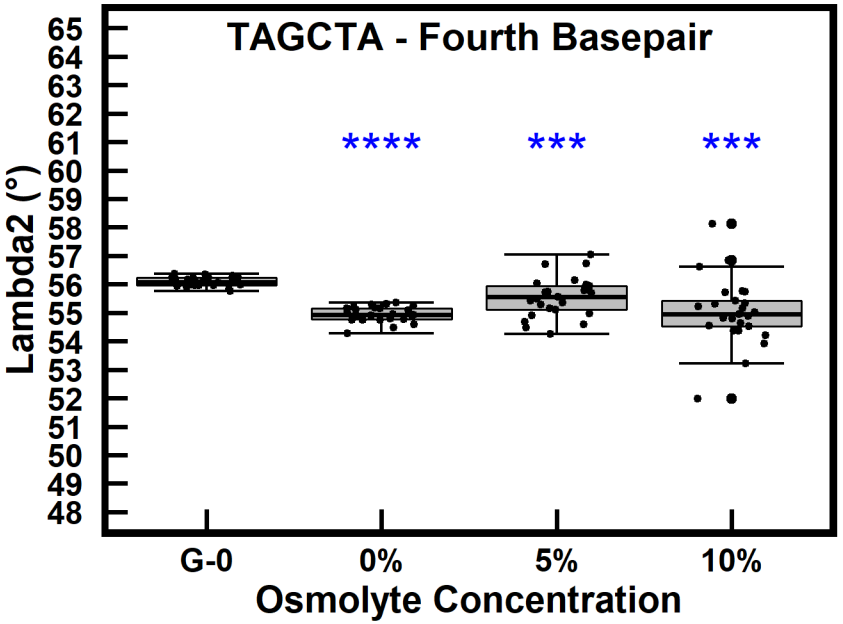
Osmolyte Concentration


TAGCTA - Fourth Basepair
Lambda2 (°)
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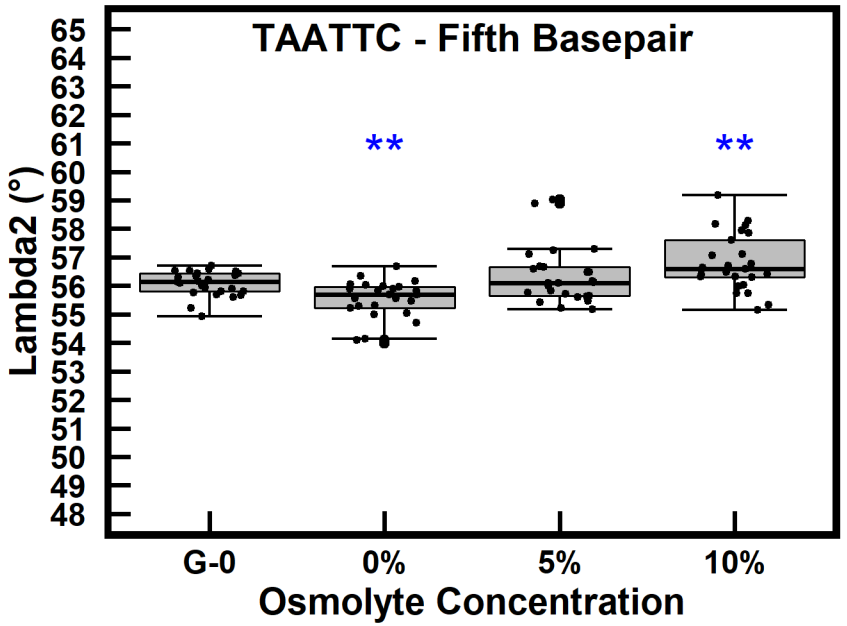
Osmolyte Concentration


TAATTC - Fifth Basepair
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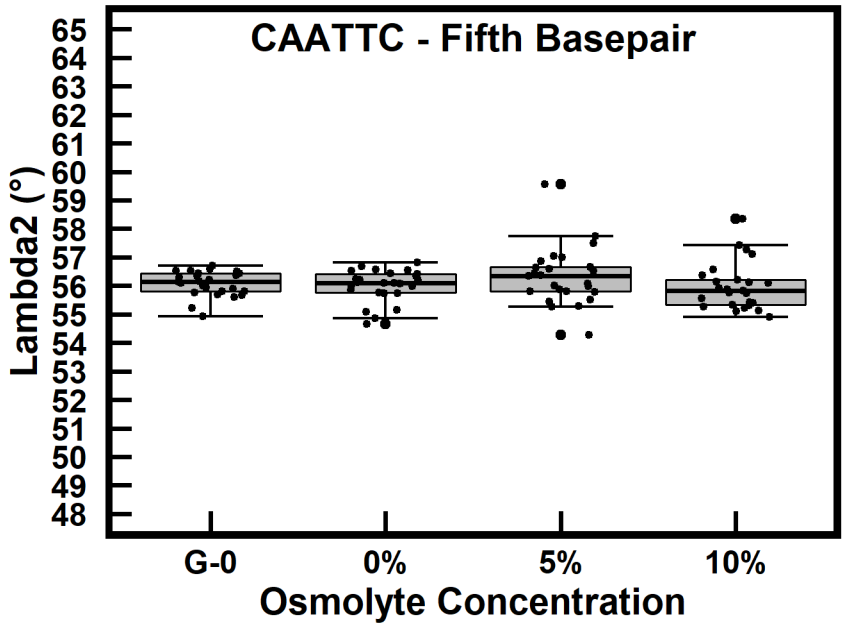
Osmolyte Concentration


CAATTC - Fifth Basepair
Lambda2 (°)
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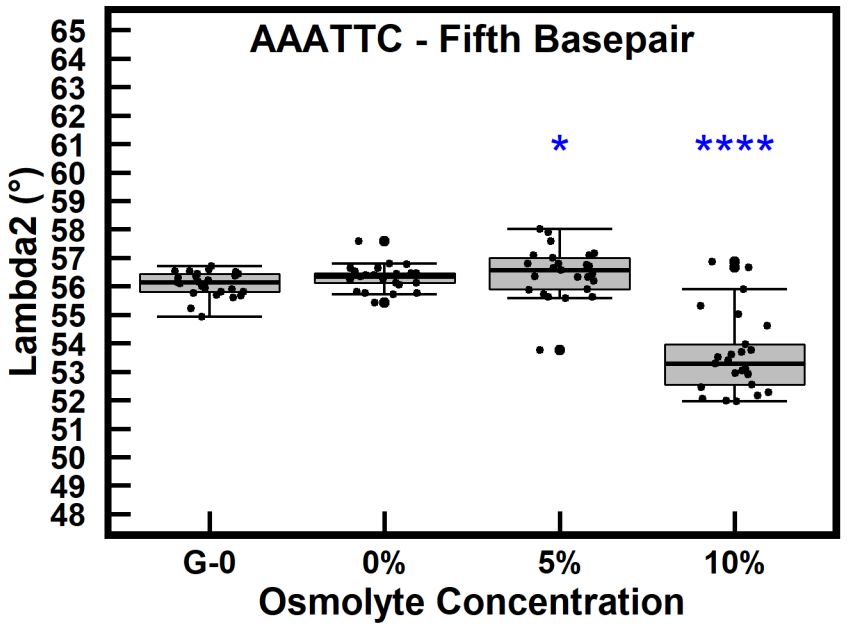
Osmolyte Concentration


AAATTC - Fifth Basepair
Lambda2 (°)
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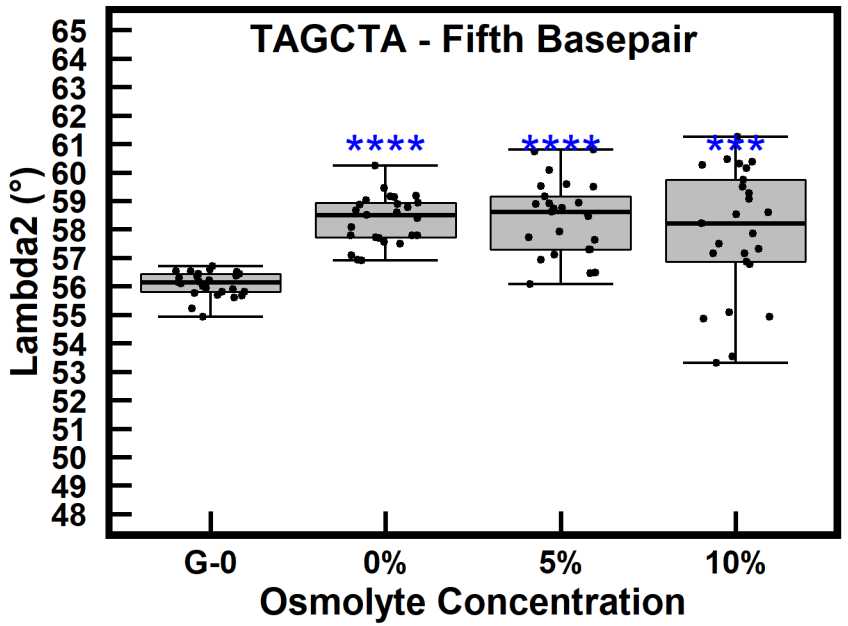
Osmolyte Concentration


TAGCTA - Fifth Basepair
Lambda2 (°)
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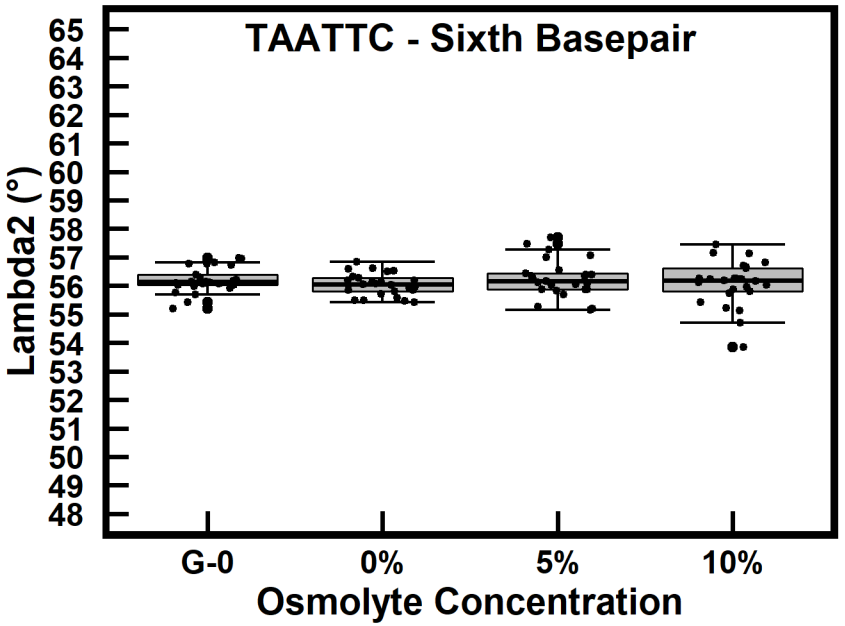
Osmolyte Concentration


TAATTC - Sixth Basepair
Lambda2 (°)
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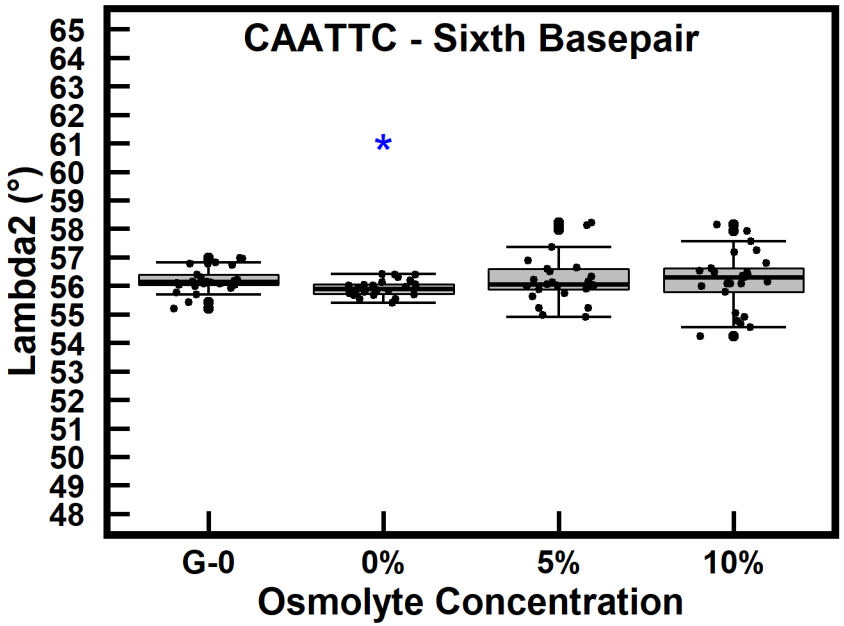
Osmolyte Concentration


CAATTC - Sixth Basepair
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Lambda2 (°)
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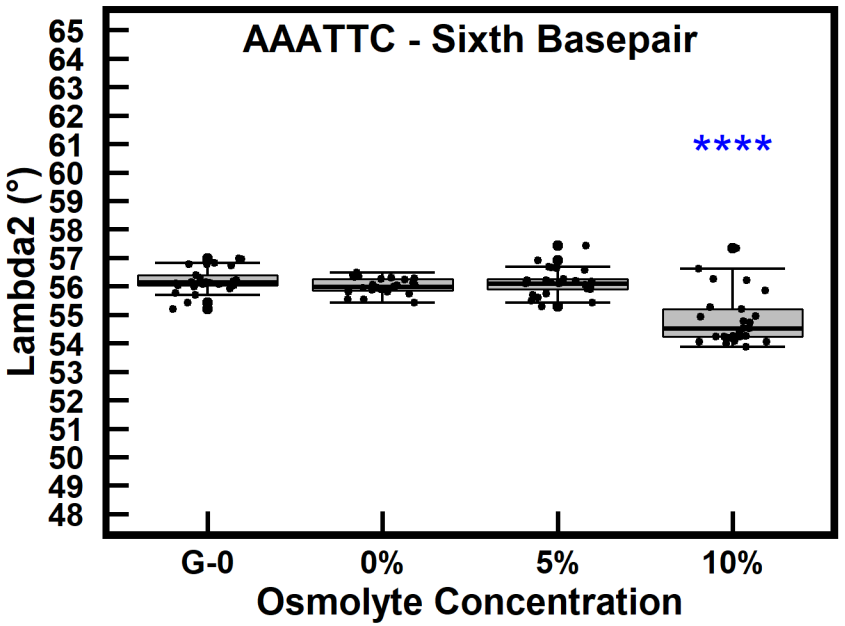
Osmolyte Concentration


AAATTC - Sixth Basepair
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Lambda2 (°)
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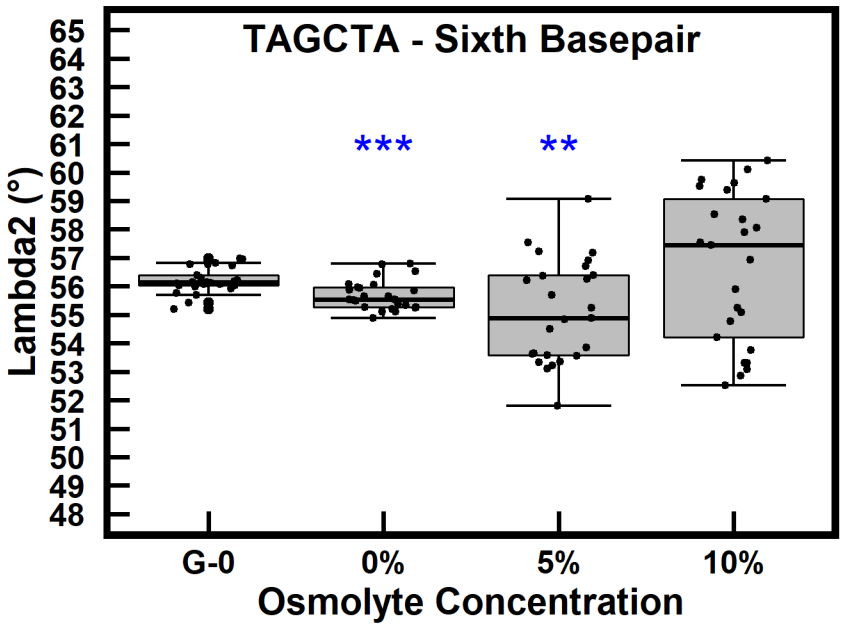
Osmolyte Concentration


TAGCTA - Sixth Basepair
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Lambda2 (°)
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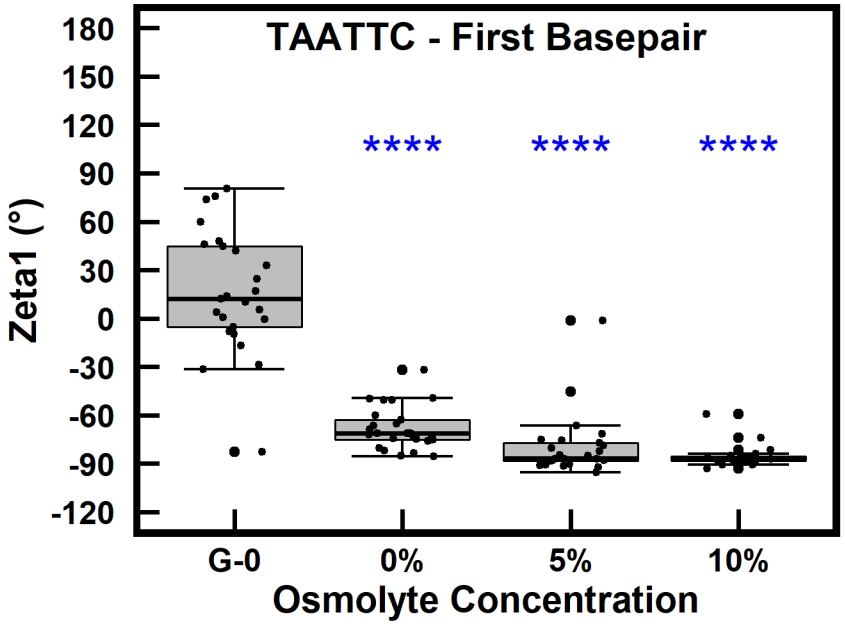
Osmolyte Concentration

Zeta1


TAATTC - First Basepair
Zeta1 (°)
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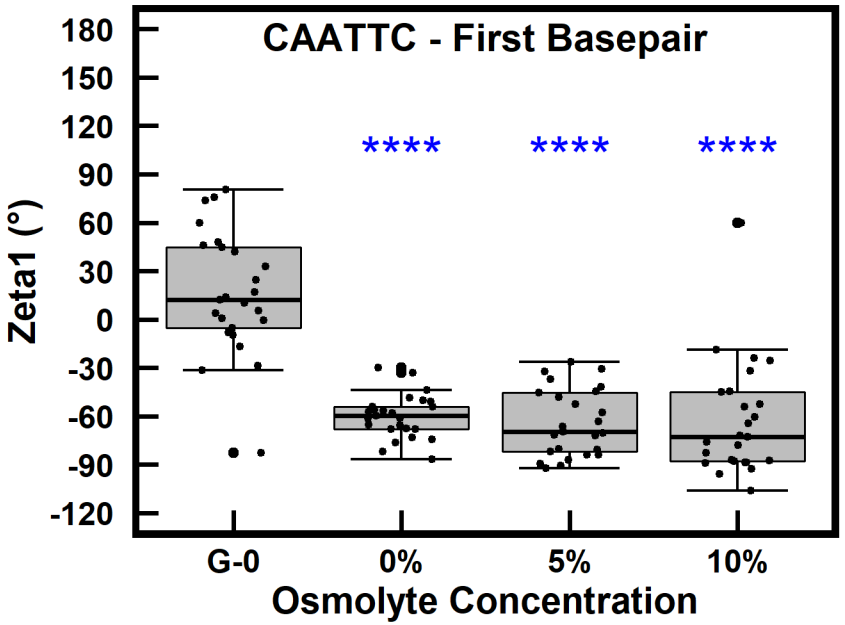
Osmolyte Concentration


CAATTC - First Basepair
Zeta1 (°)
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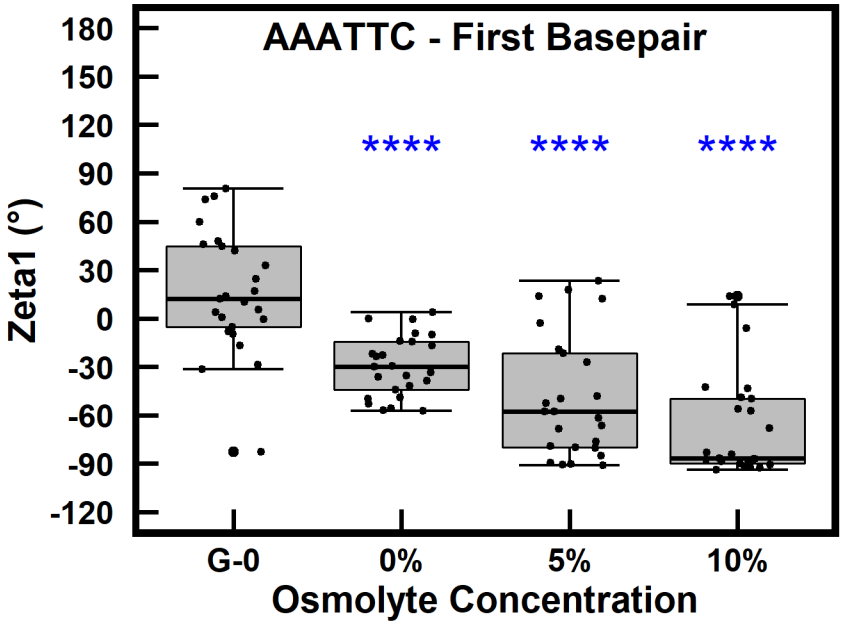
Osmolyte Concentration


AAATTC - First Basepair
Zeta1 (°)
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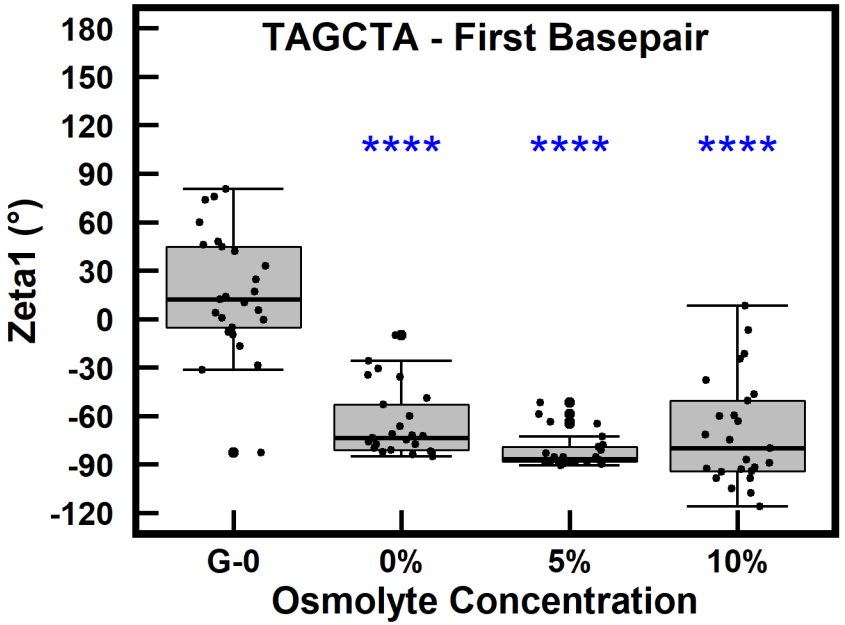
Osmolyte Concentration


TAGCTA - First Basepair
Zeta1 (°)
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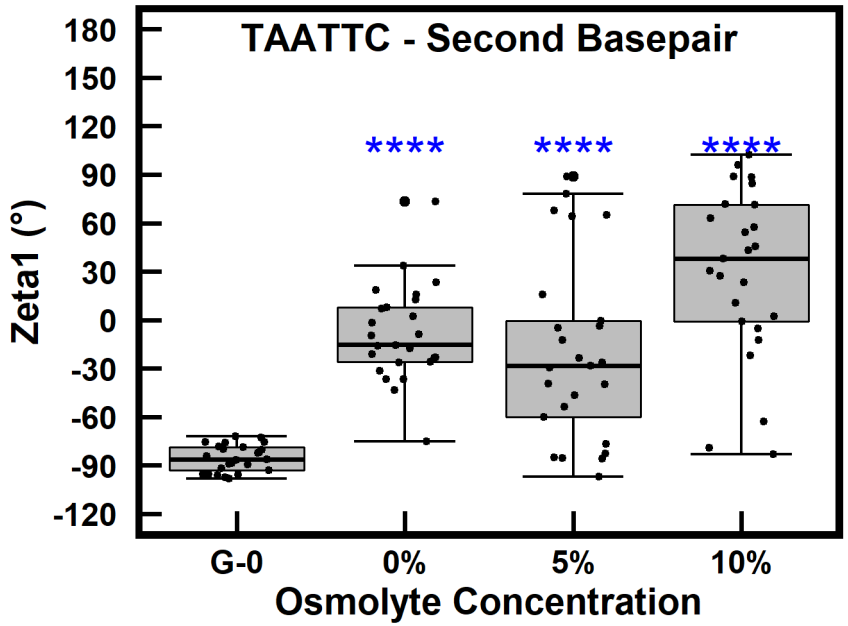
Osmolyte Concentration


TAATTC - Second Basepair
Zeta1 (°)
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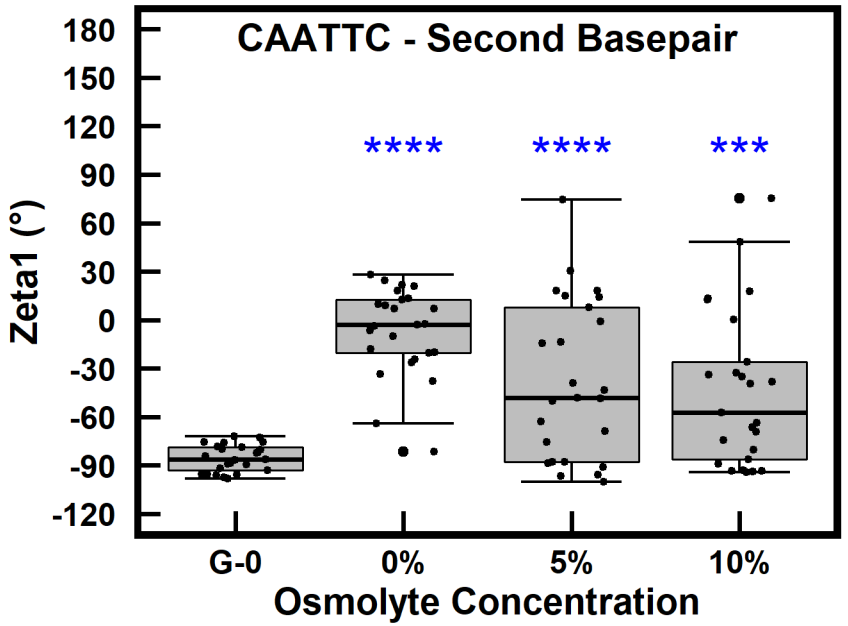
Osmolyte Concentration


CAATTC - Second Basepair
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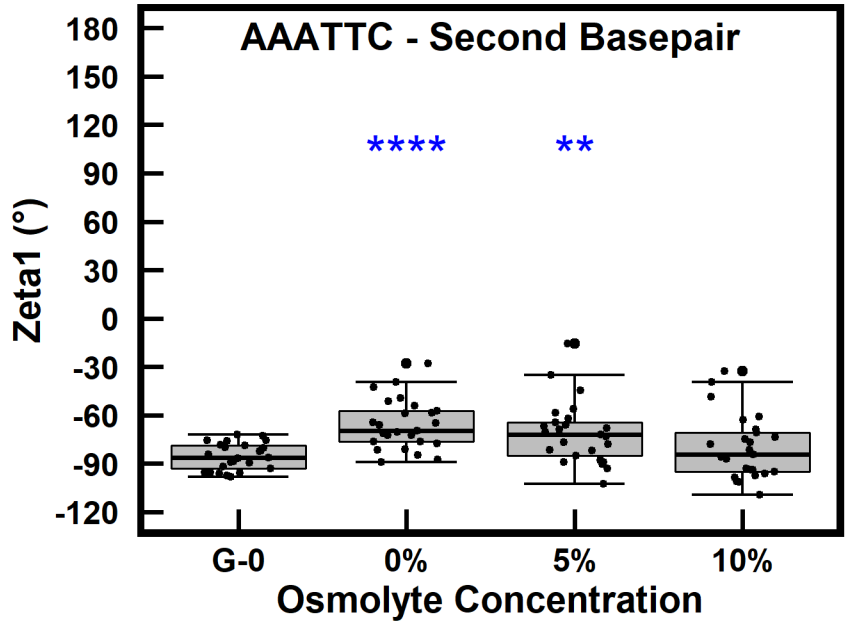
Osmolyte Concentration


AAATTC - Second Basepair
Zeta1 (°)
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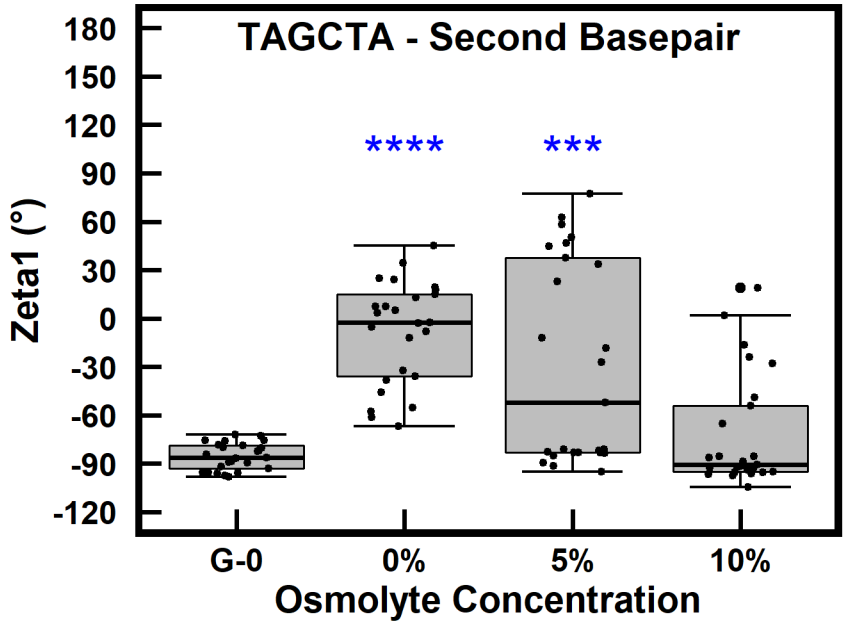
Osmolyte Concentration


TAGCTA - Second Basepair
Zeta1 (°)
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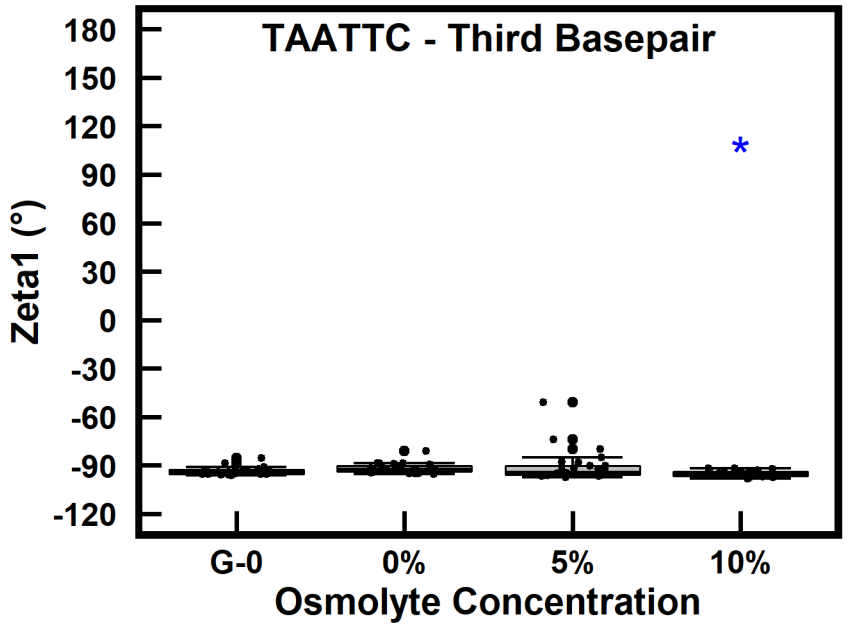
TAATTC - Third Basepair
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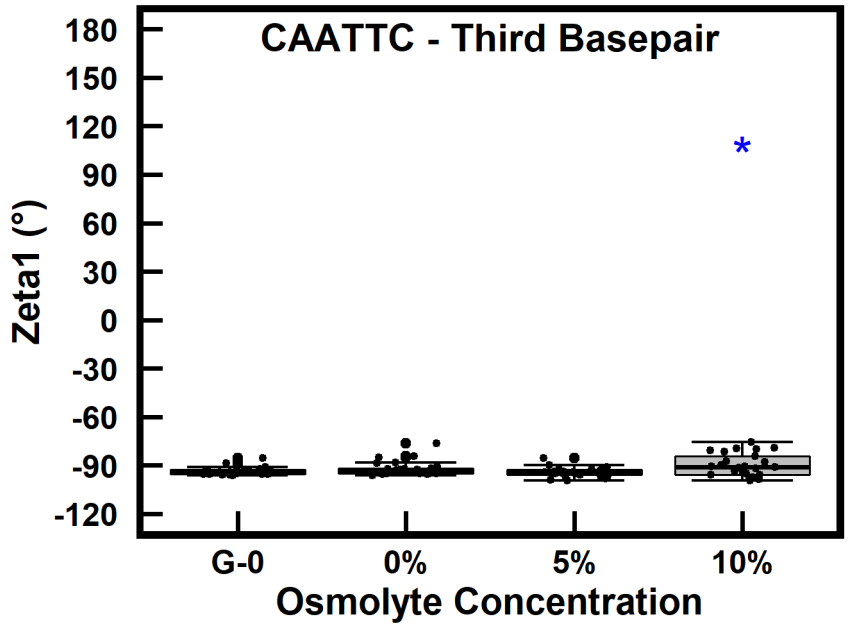
Osmolyte Concentration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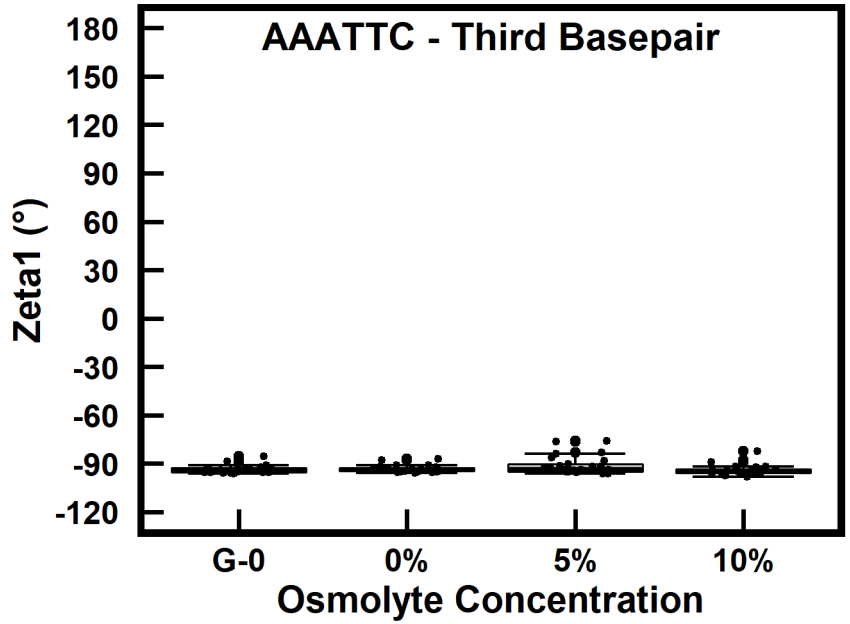
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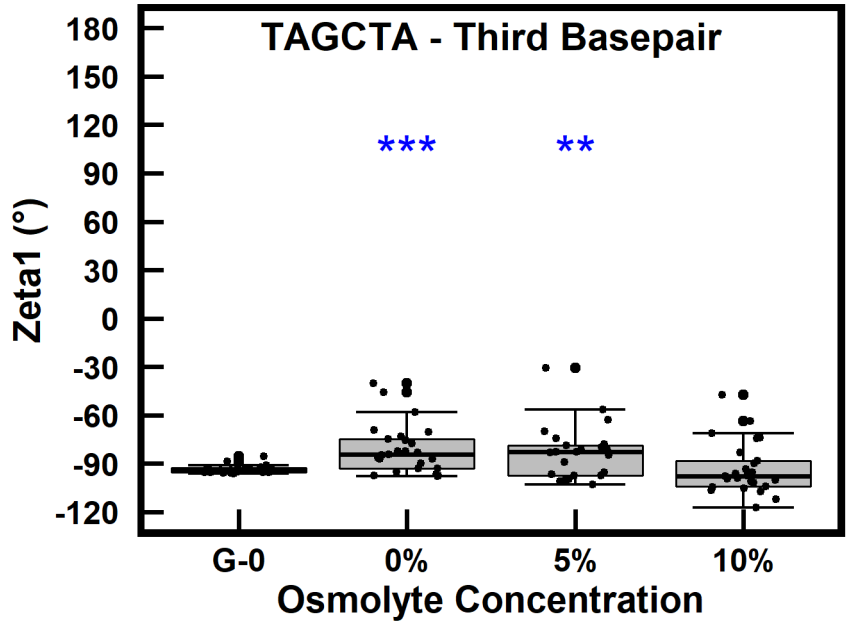
Osmolyte Concentration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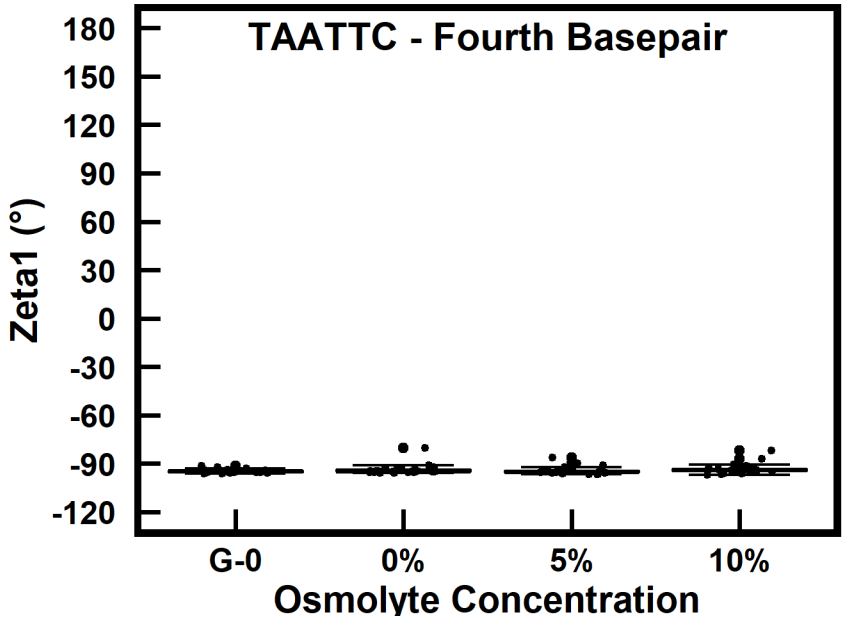
Osmolyte Concentration


TAATTC - Fourth Basepair
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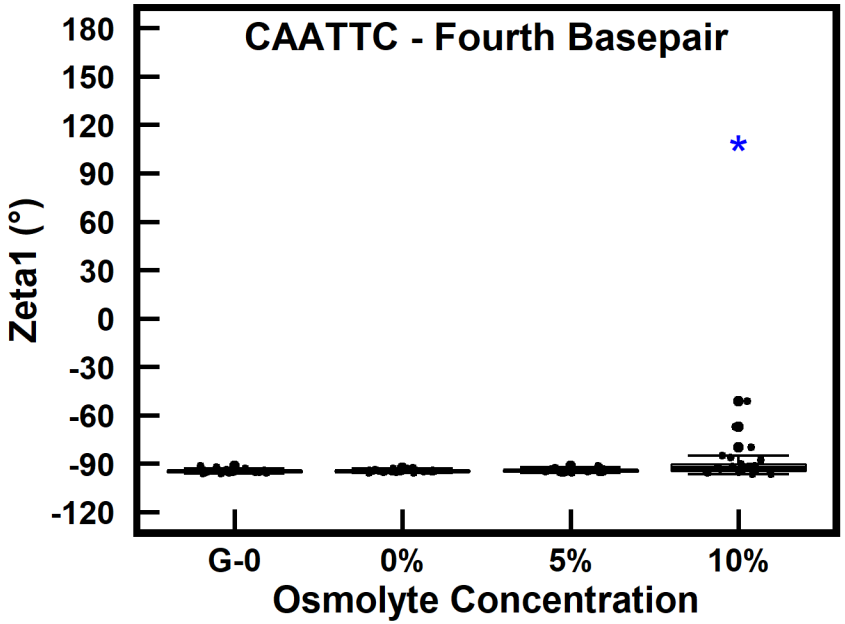
CAATTC - Fourth Basepair
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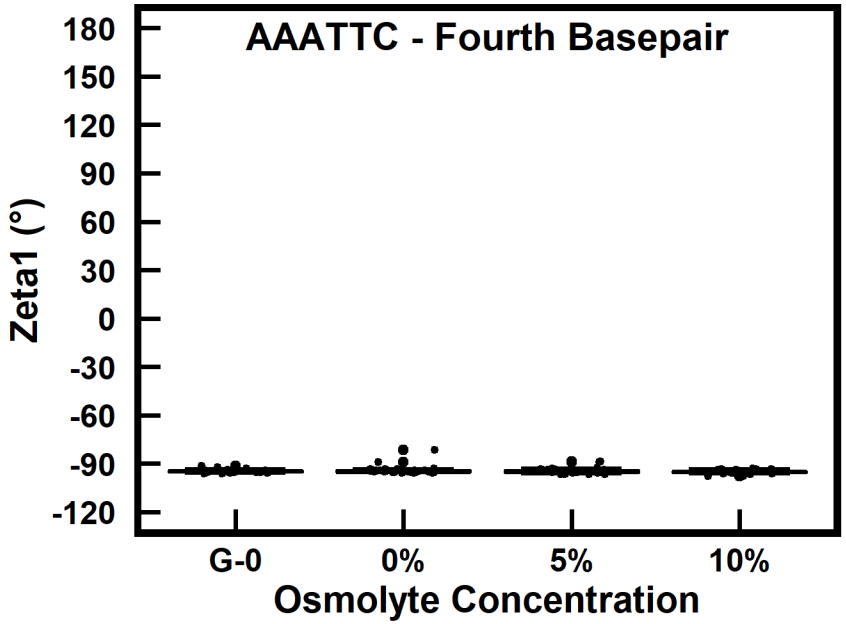
Osmolyte Concentration


AAATTC - Fourth Basepair
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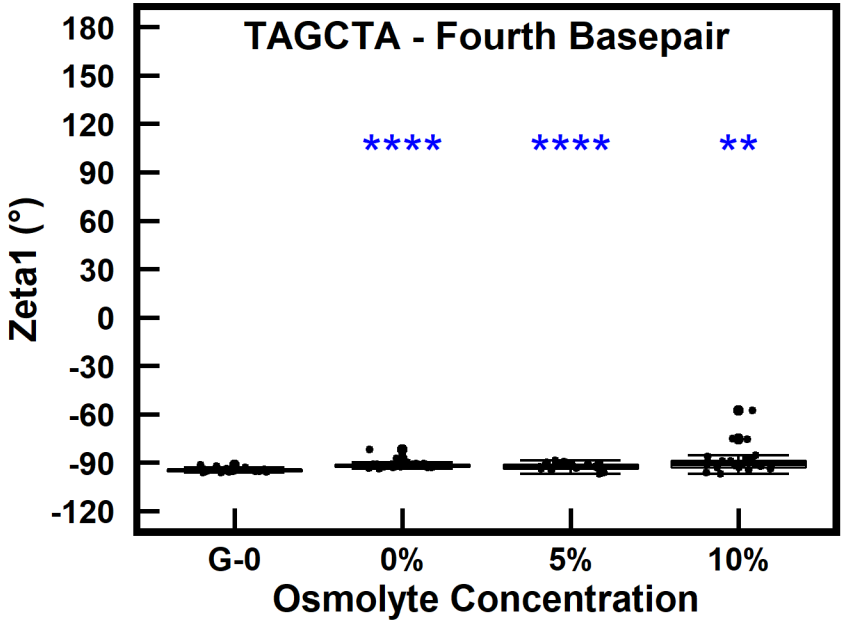
Osmolyte Concentration


TAGCTA - Fourth Basepair
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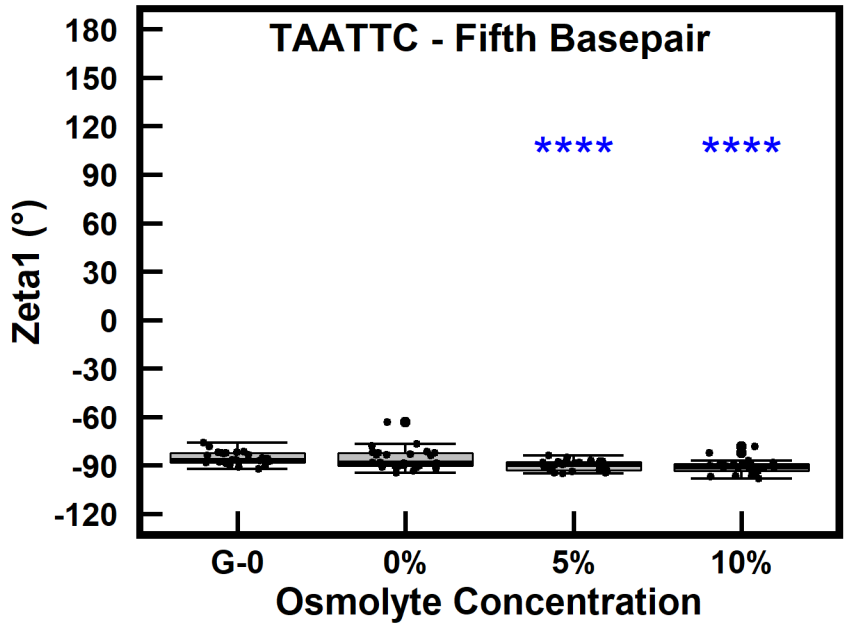
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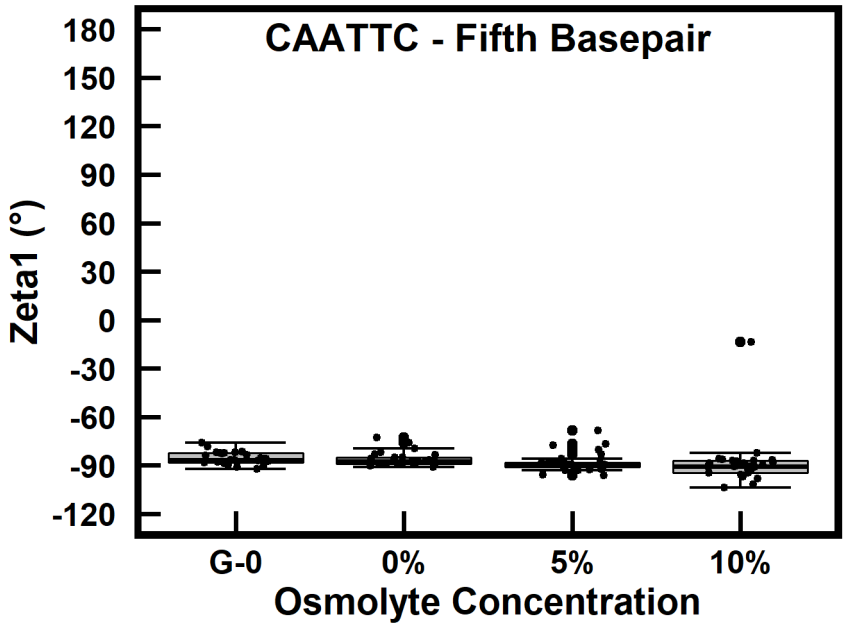
Osmolyte Concentration


CAATTC - Fifth Basepair
Zeta1 (°)
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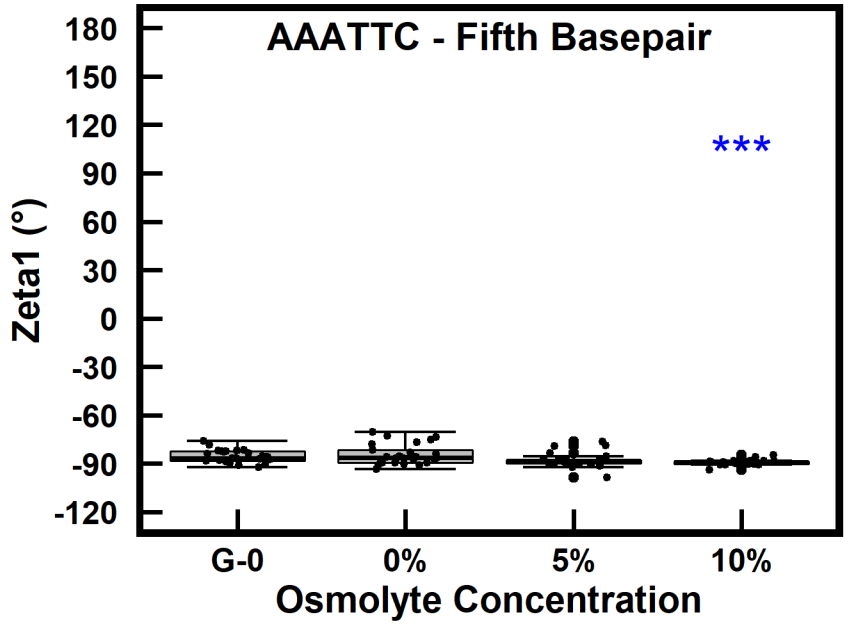
Osmolyte Concentration


AAATTC - Fifth Basepair
Zeta1 (°)
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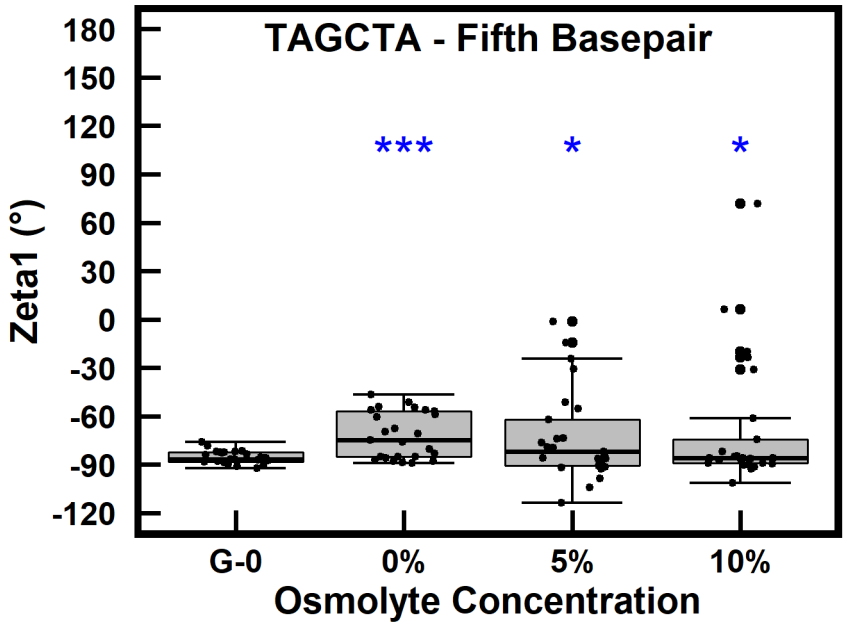
Osmolyte Concentration


TAGCTA - Fifth Basepair
Zeta1 (°)
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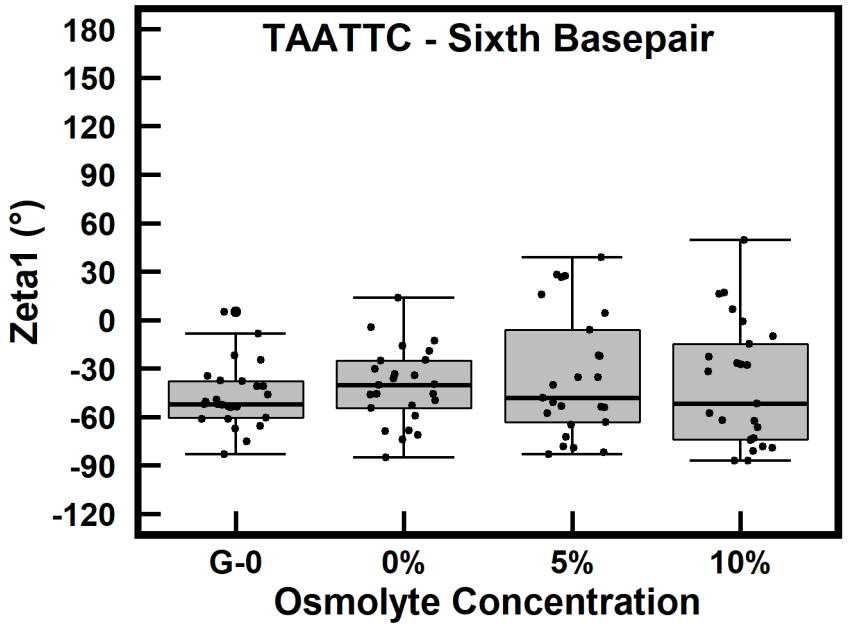
Osmolyte Concentration


TAATTC - Sixth Basepair
Zeta1 (°)
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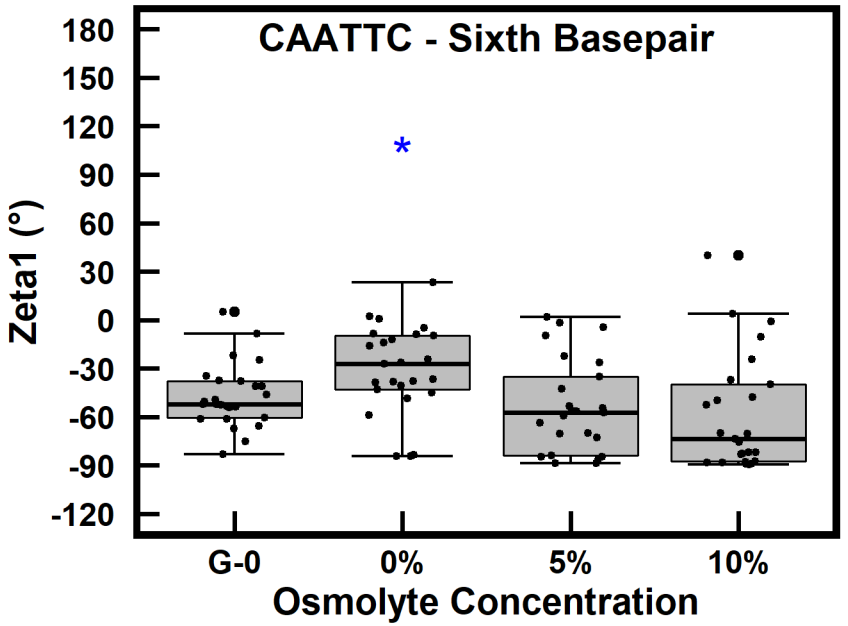
Osmolyte Concentration


CAATTC - Sixth Basepair
Zeta1 (°)
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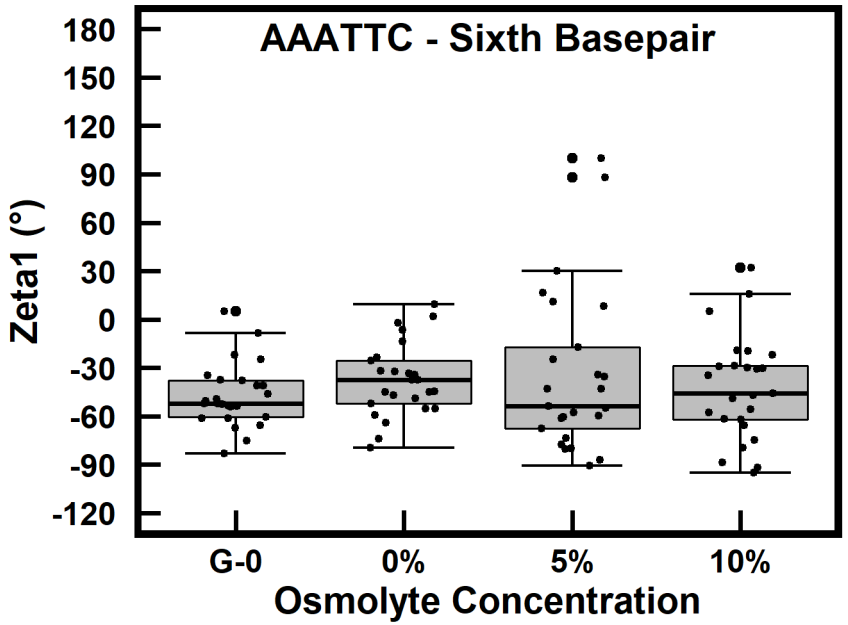
Osmolyte Concentration


AAATTC - Sixth Basepair
Zeta1 (°)
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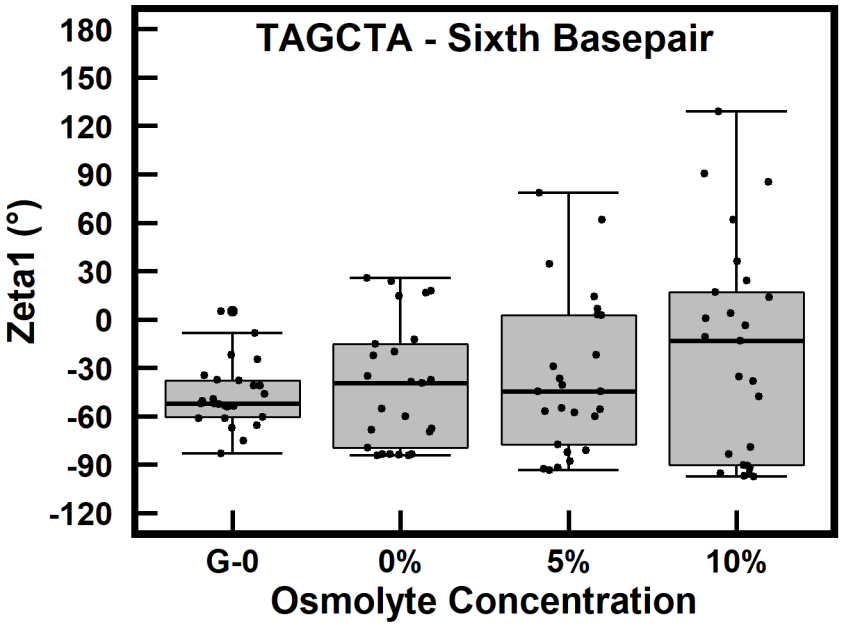
Osmolyte Concentration


TAGCTA - Sixth Basepair
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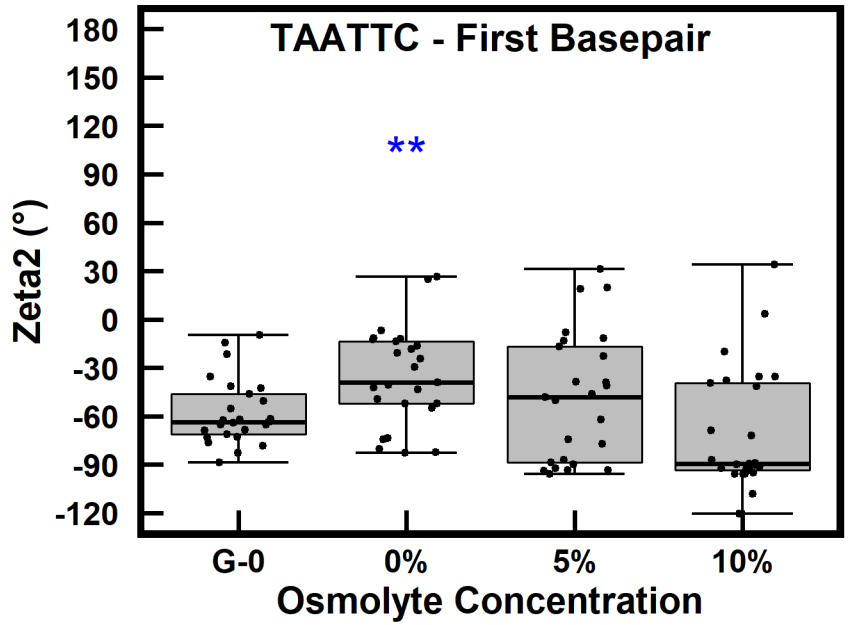
Osmolyte Concentration

Zeta2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Zeta2 (°)
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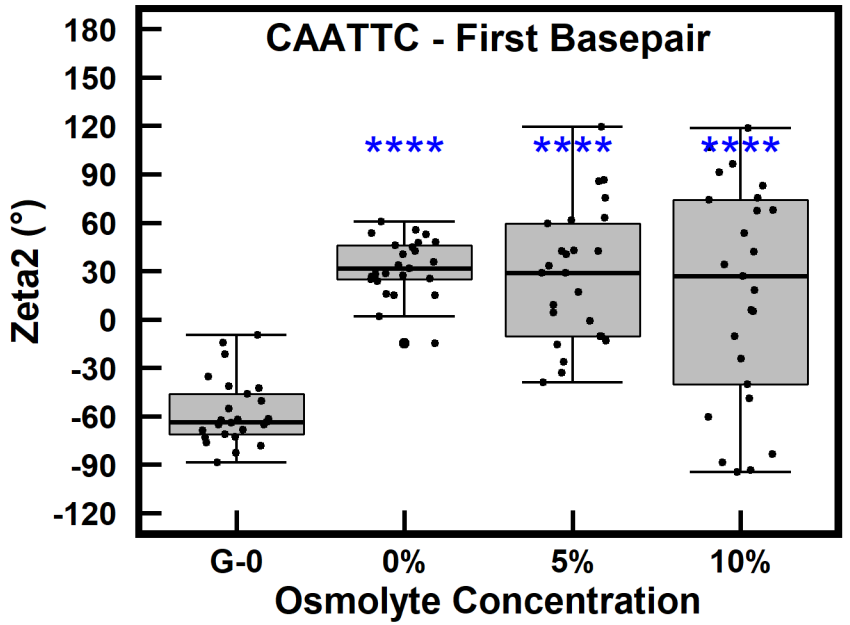
Osmolyte Concentration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Zeta2 (°)
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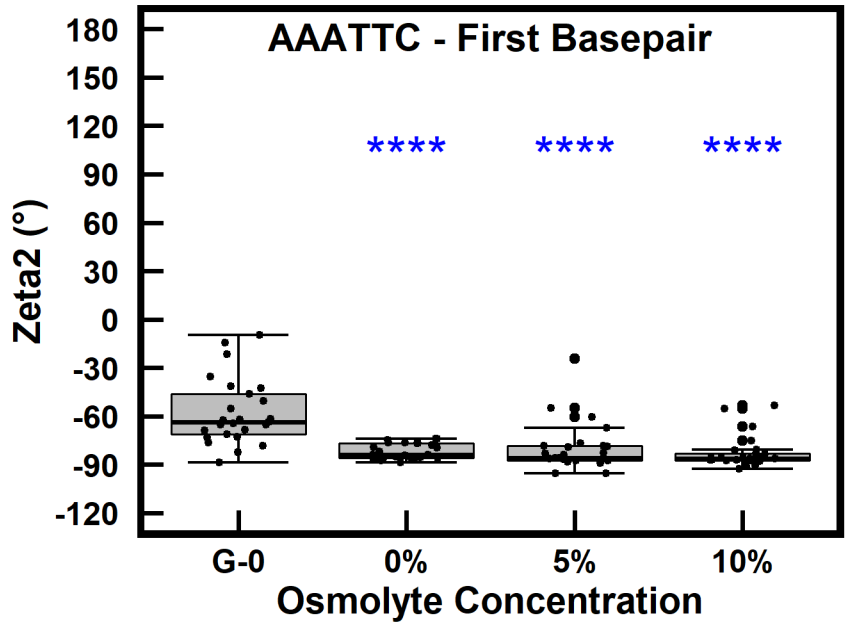
Osmolyte Concentration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Zeta2 (°)
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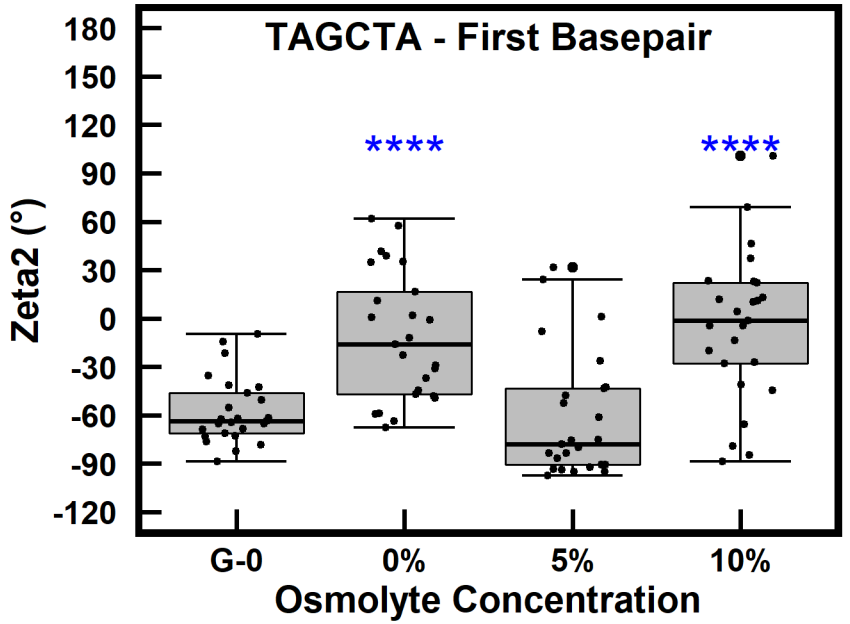
Osmolyte Concentration


TAGCTA - First Basepair
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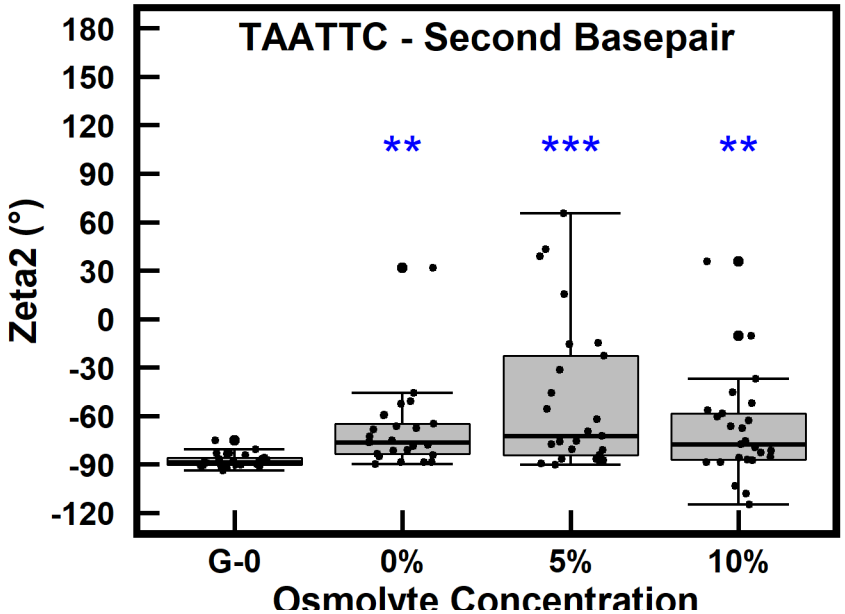
Osmolyte Concentration


TAATTC - Second Basepair
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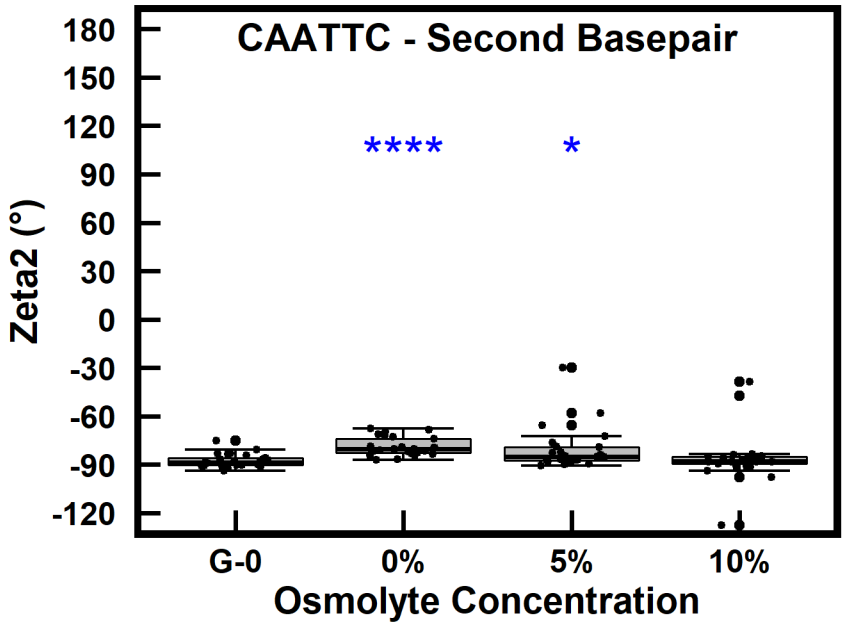
Osmolyte Concentration


CAATTC - Second Basepair
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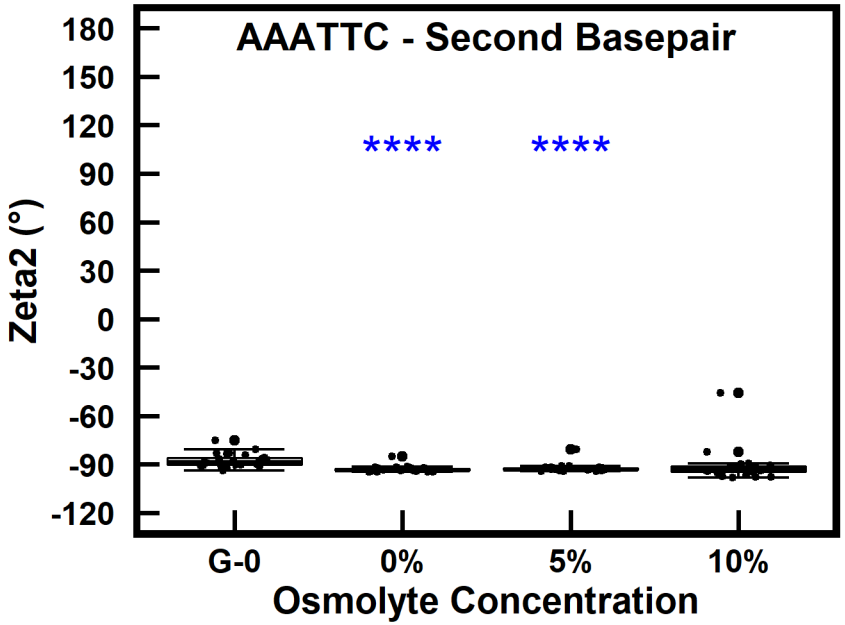
Osmolyte Concentration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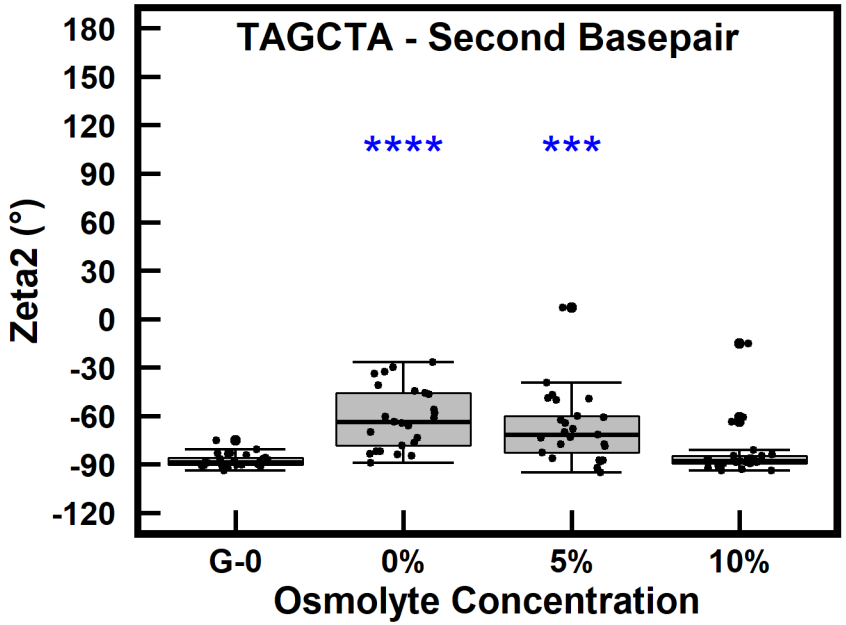
Osmolyte Concentration


TAGCTA - Second Basepair
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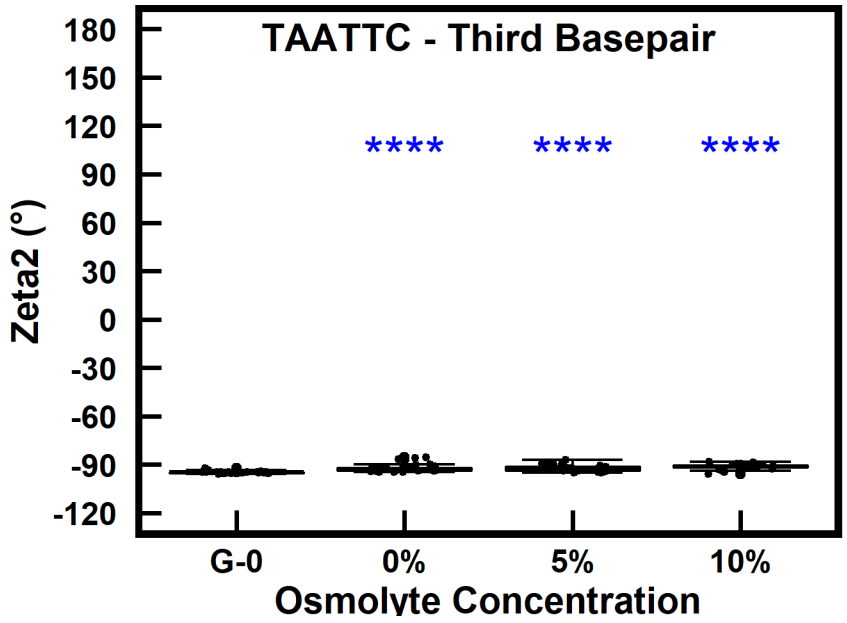
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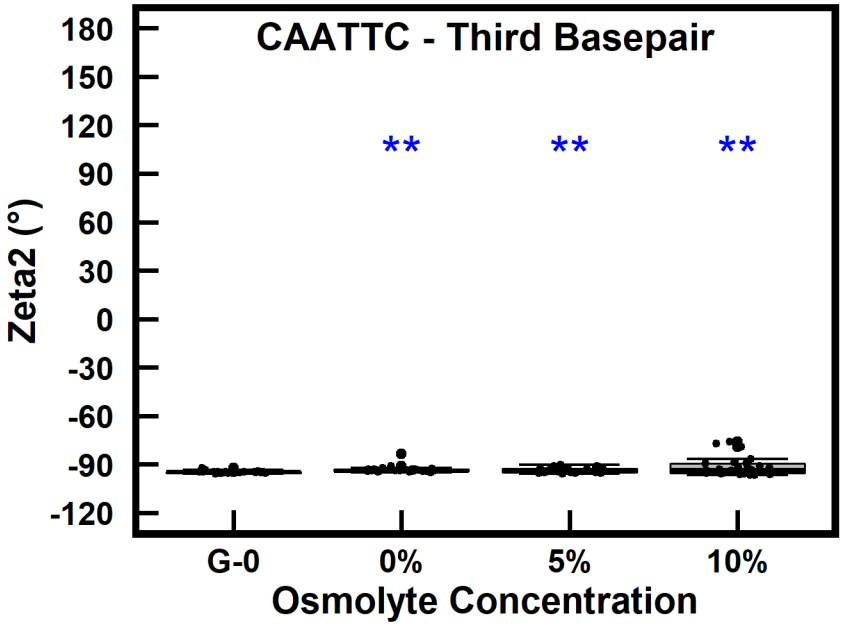
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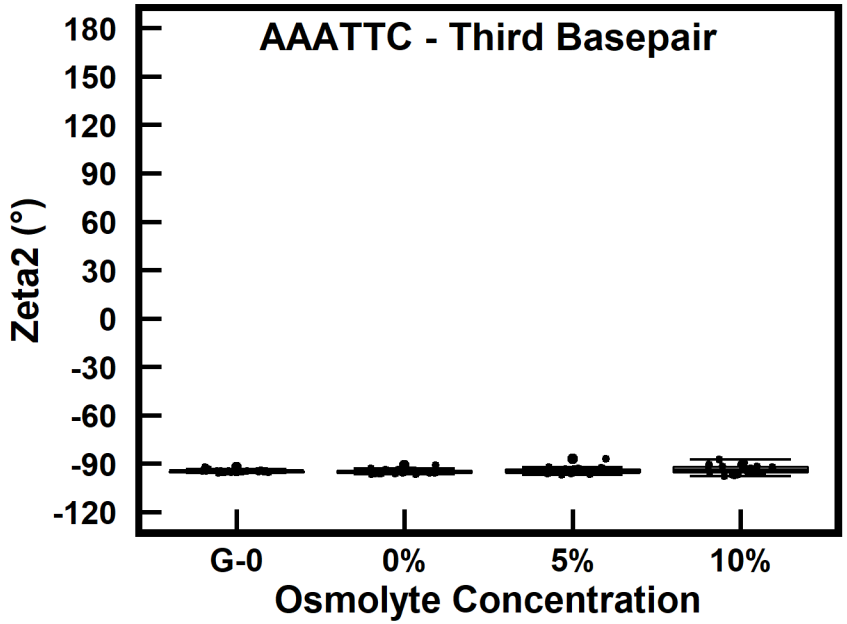
AAATTC - Third Basepair
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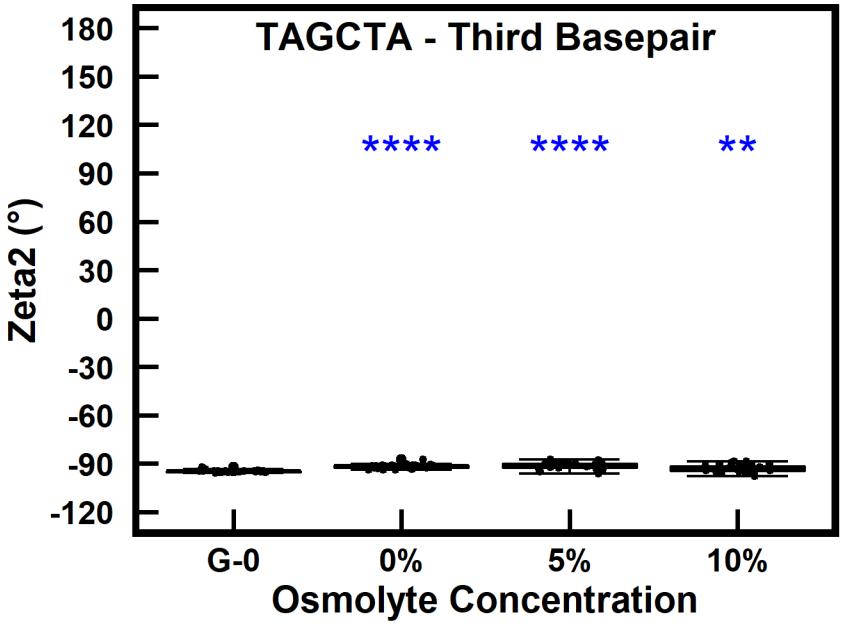
TAGCTA - Third Basepair
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Zeta2 (°)
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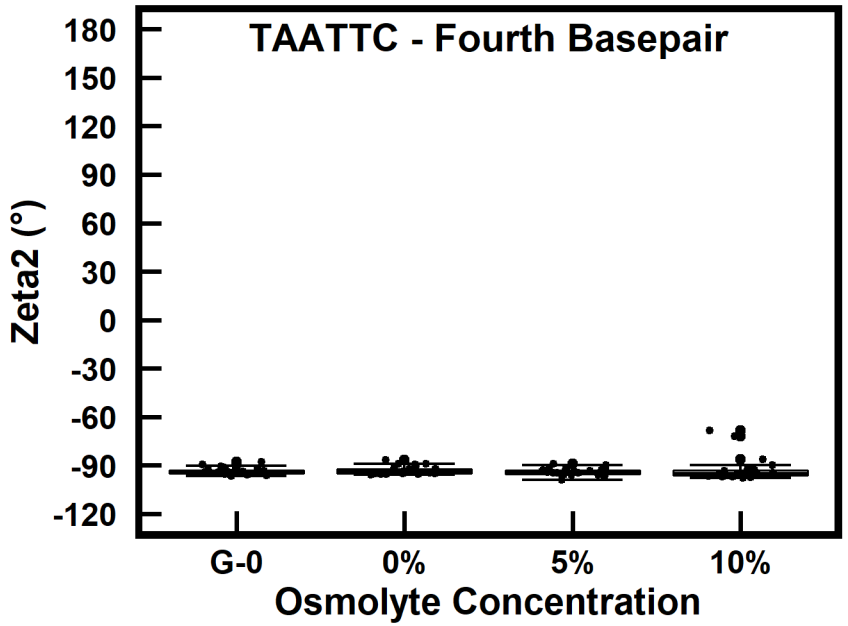
TAATTC - Fourth Basepair
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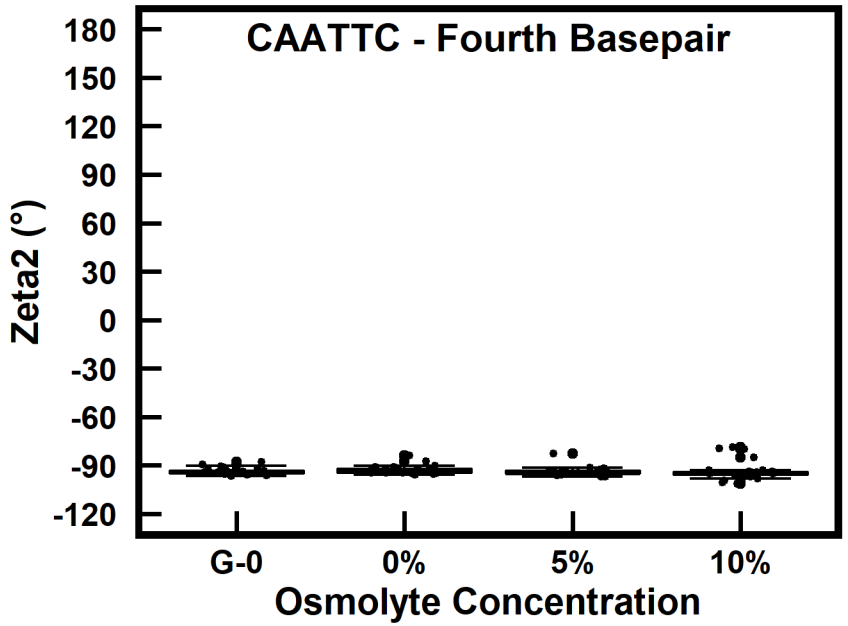
Osmolyte Concentration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Zeta2 (°)
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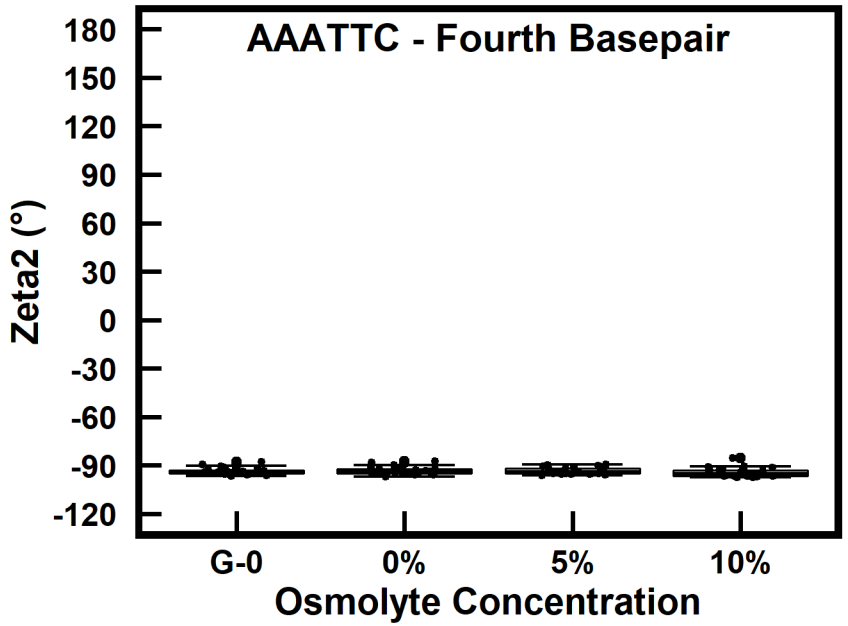
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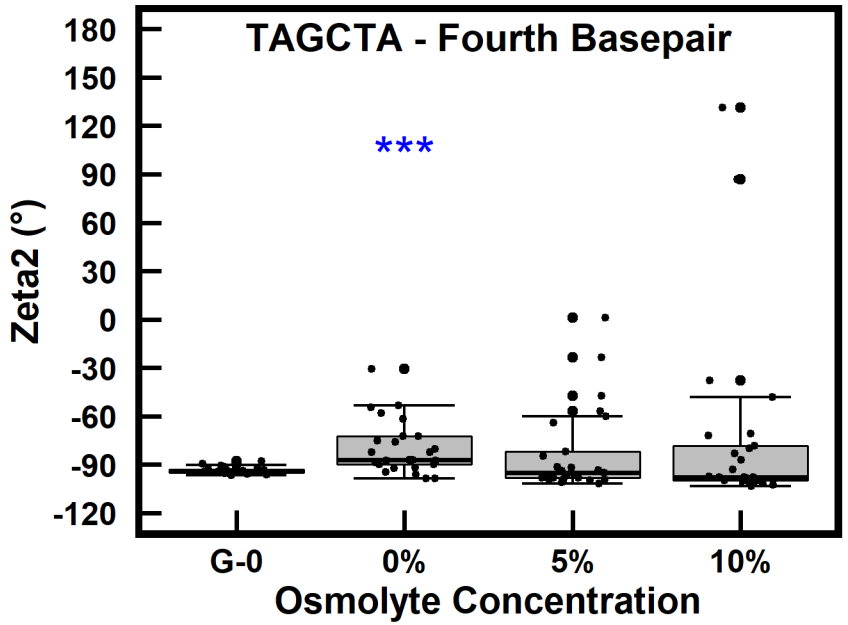
Osmolyte Concentration


TAGCTA - Fourth Basepair
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Zeta2 (°)
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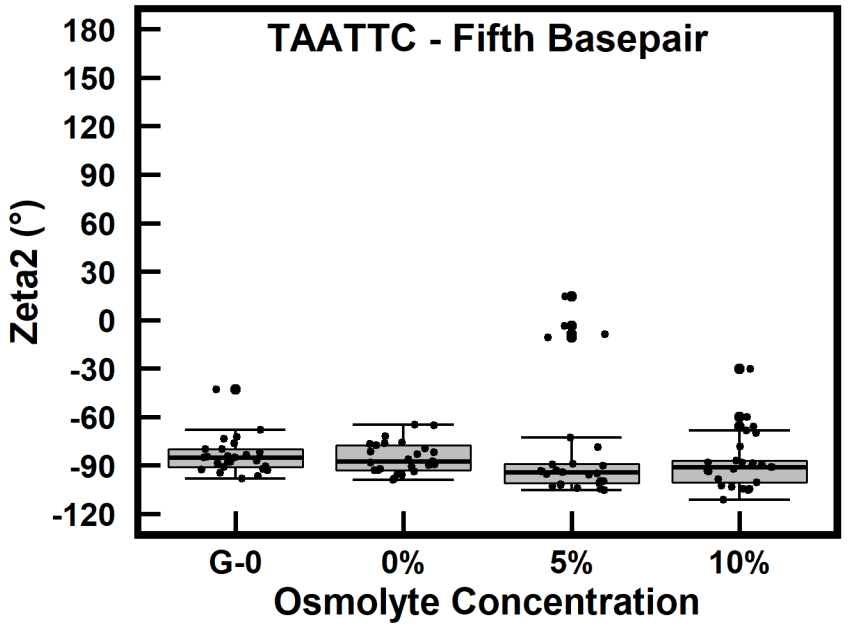
Osmolyte Concentration


TAATTC - Fifth Basepair
Zeta2 (°)
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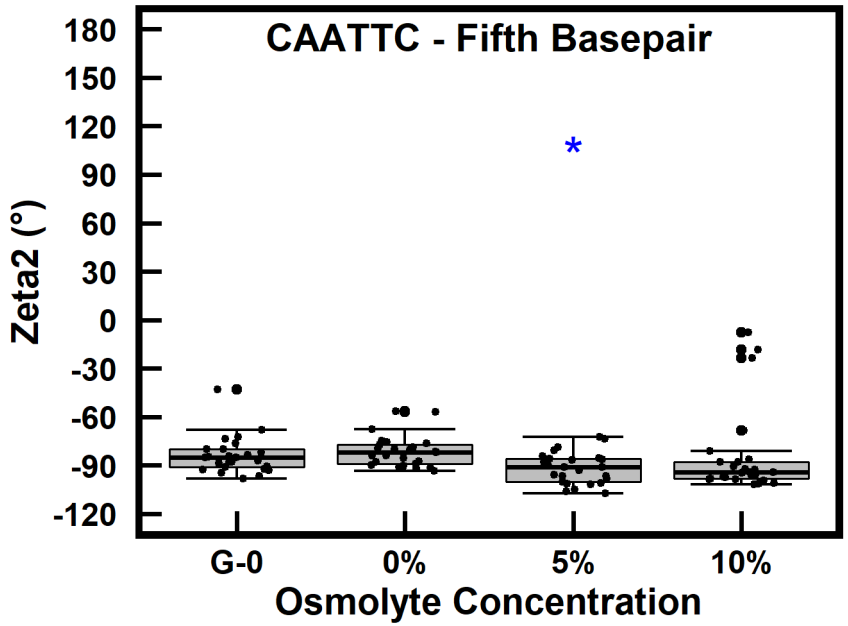
CAATTC - Fifth Basepair
Zeta2 (°)
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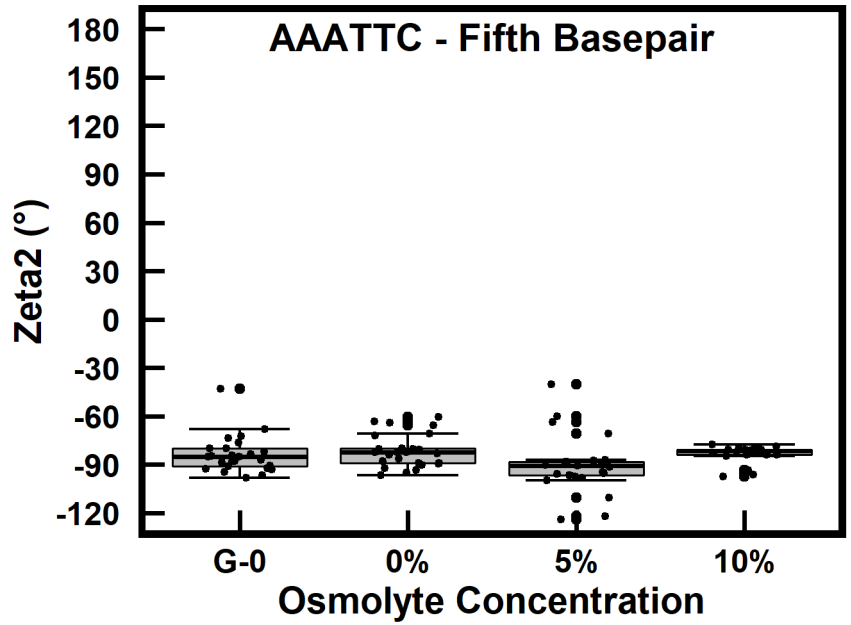
Osmolyte Concentration


AAATTC - Fifth Basepair
Zeta2 (°)
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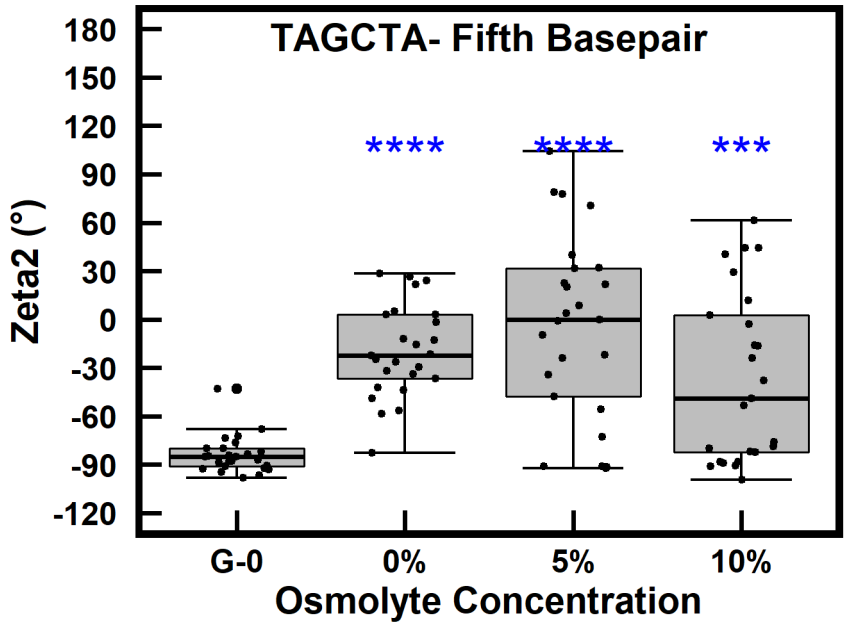
Osmolyte Concentration


TAGCTA- Fifth Basepair
Zeta2 (°)
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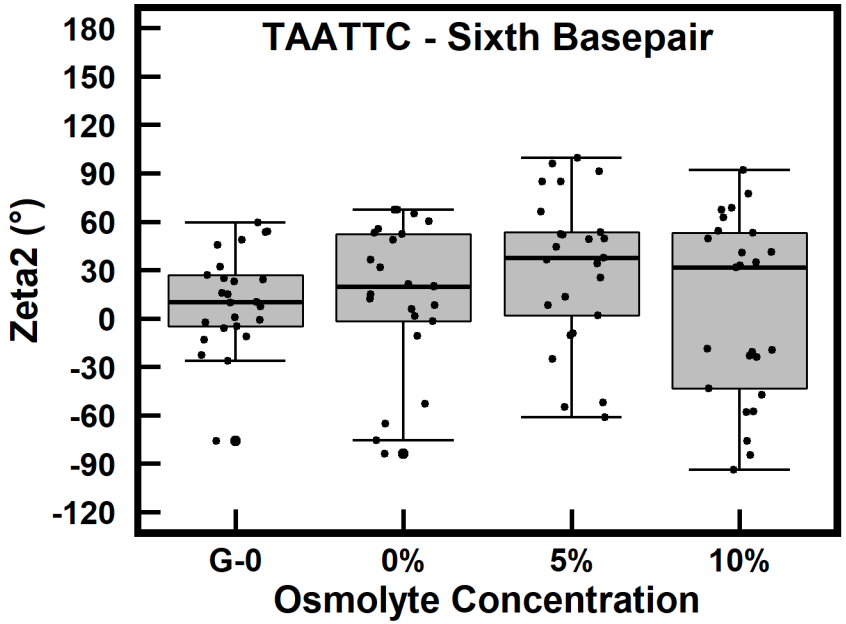
TAATTC - Sixth Basepair
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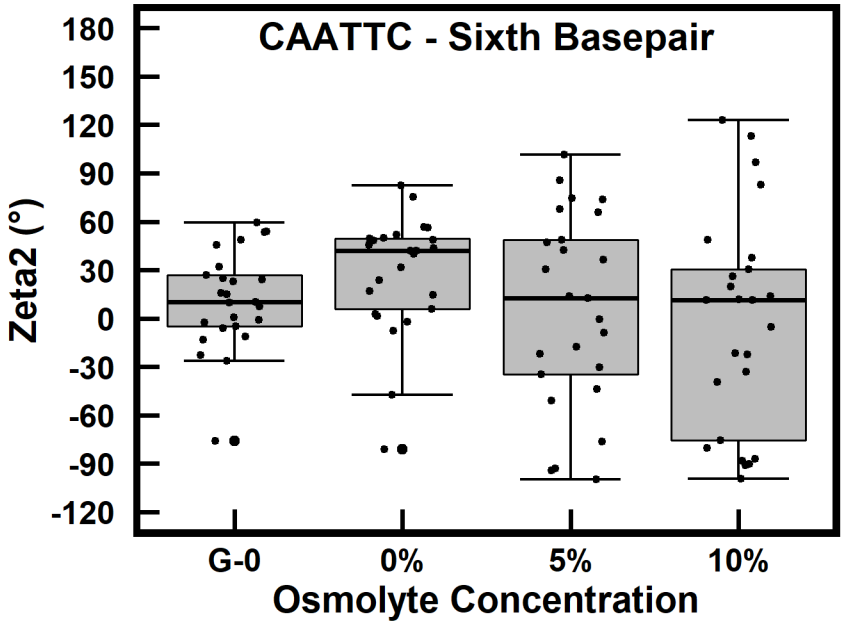
CAATTC - Sixth Basepair
Zeta2 (°)
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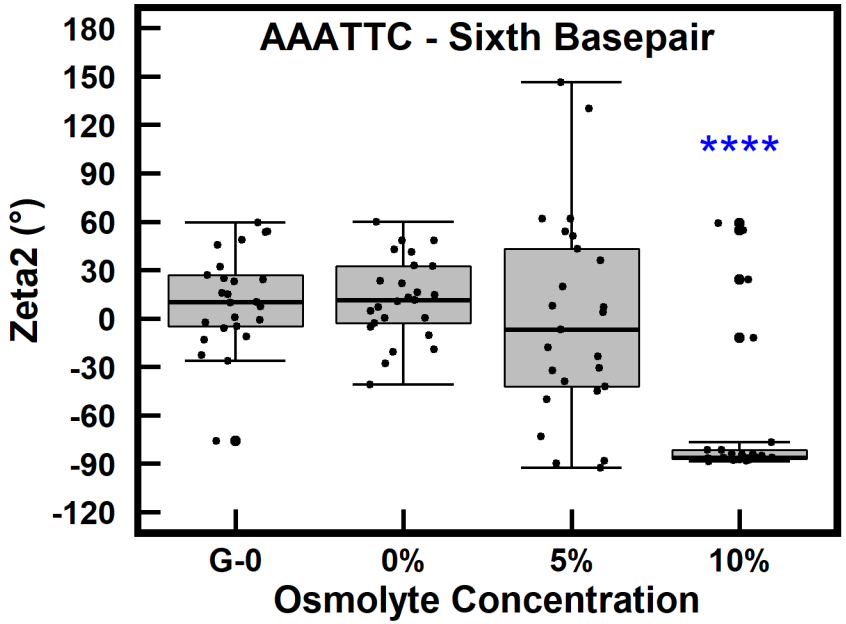
AAATTC - Sixth Basepair
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Zeta2 (°)
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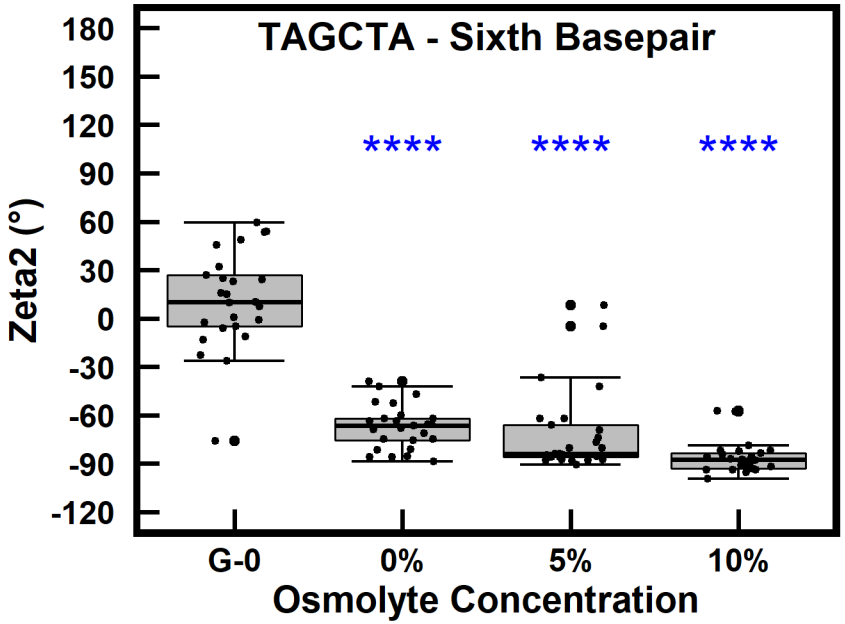
Osmolyte Concentration


TAGCTA - Sixth Basepair
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Zeta2 (°)
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Osmolyte Concentration