

Full interpretation of the results requires you to look at the individual melt curves.

92% of curves were used in  $T_m$  estimations

Average estimation of error is **0.2 C**

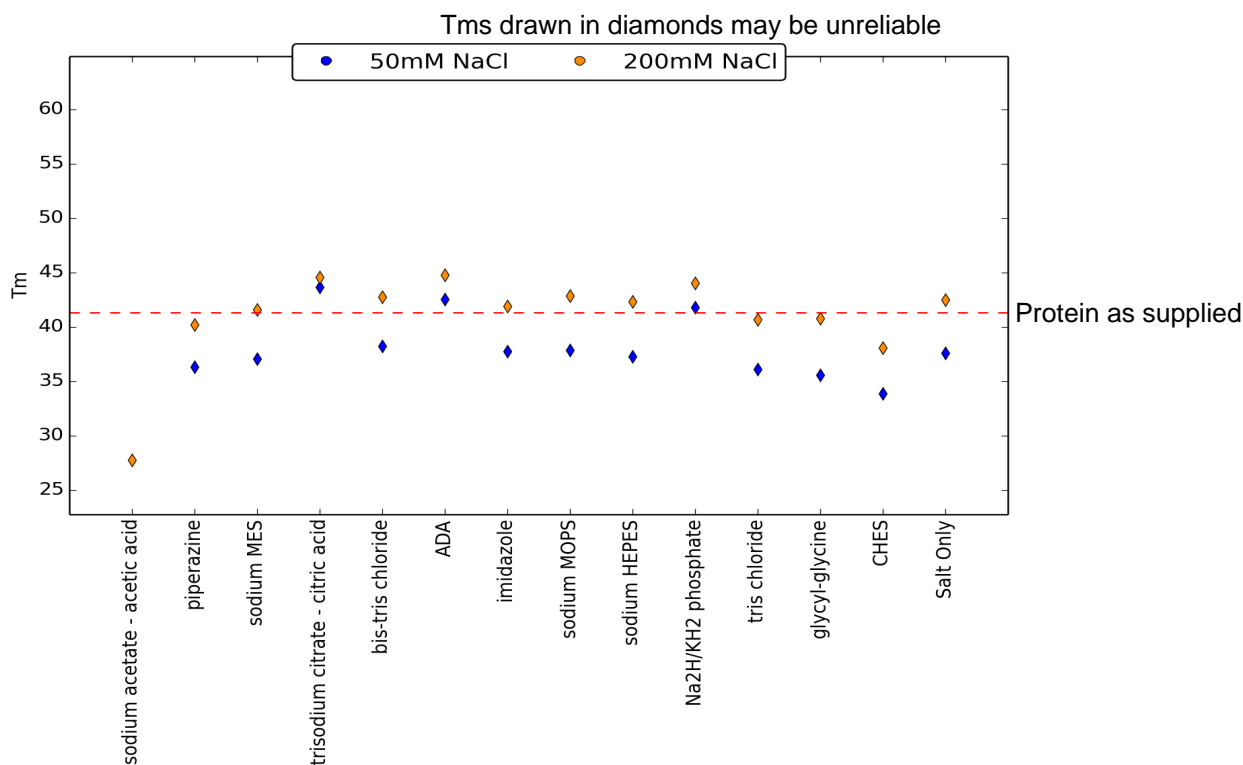
Protein as supplied is **well behaved**

Protein as supplied:  $T_m = 41.32(\pm 0.17)$

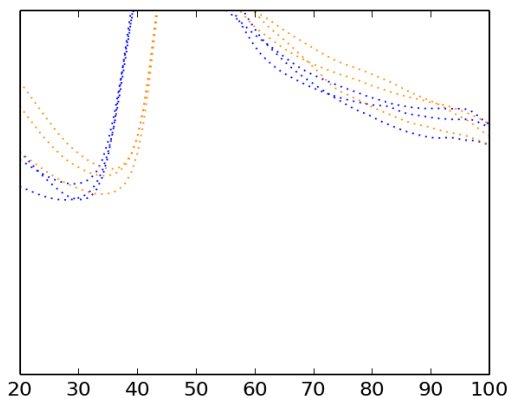
Lysozyme Control: Passed

No Dye Control: Passed

No Protein Control: Passed



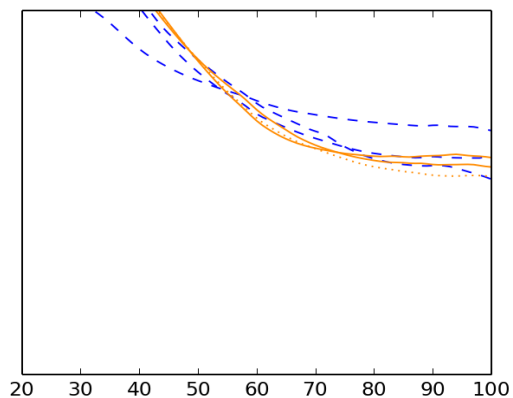
Highest  $T_m = 44.81 \pm 0.15$   
(ADA / 200mM NaCl)



Condition: Salt Only ( )

Salt: 50mM NaCl 200mM NaCl

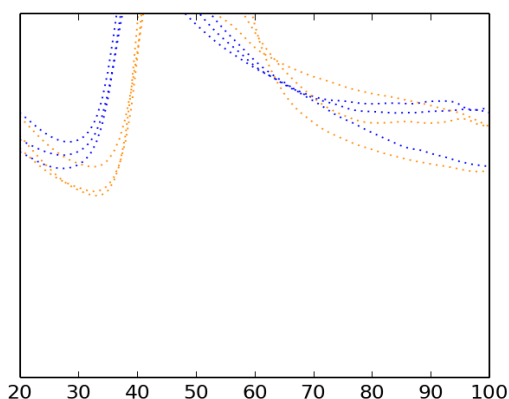
Tm: 37.6 (+/-0.52)^ 42.49 (+/-0.07)^



Condition: sodium acetate - acetic acid (5)

Salt: 50mM NaCl 200mM NaCl

Tm: None 27.76 (+/-0.65)^



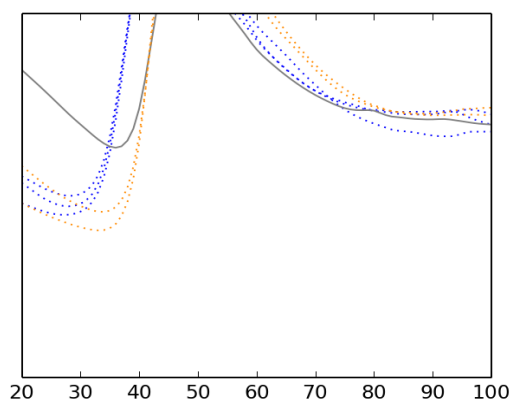
Condition: piperazine (5)

Salt: 50mM NaCl 200mM NaCl

Tm: 36.31 (+/-0.08)^ 40.22 (+/-0.36)^

Adjusted pH at Tm: 5 at 20C

4.7 4.63



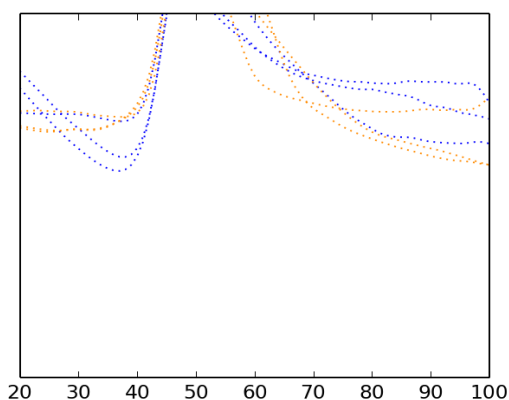
Condition: sodium MES (6)

Salt: 50mM NaCl 200mM NaCl

Tm: 37.05 (+/-0.15)^ 41.58 (+/-0.01)^

Adjusted pH at Tm: 6 at 20C

5.87 5.83



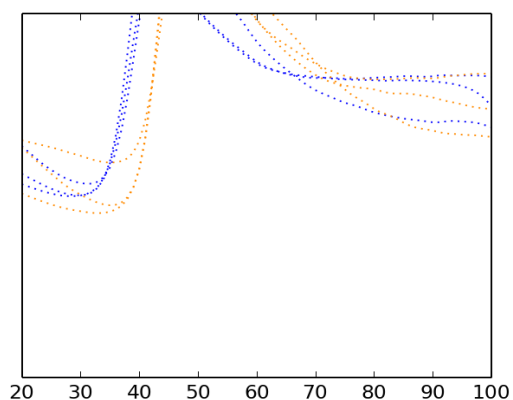
Condition: trisodium citrate - citric acid (6)

Salt: 50mM NaCl 200mM NaCl

Tm: 43.69 (+/-0.13)^ 44.59 (+/-0.12)^

Adjusted pH at Tm: 6 at 20C

6.09 6.1



Condition: bis-tris chloride (6)

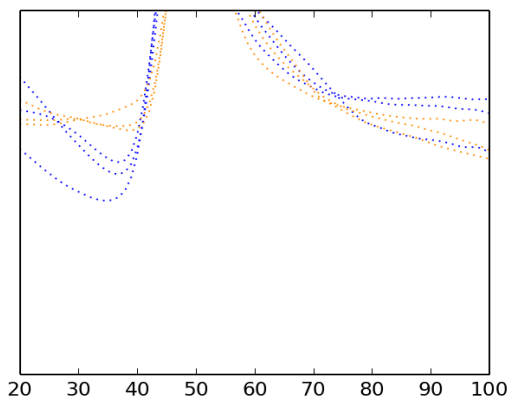
Salt: 50mM NaCl 200mM NaCl

Tm: 38.23 (+/-0.31)^ 42.78 (+/-0.07)^

Adjusted pH at Tm: 6 at 20C

5.76 5.7

Curves drawn with dashed lines are monotonic and excluded from Tm calculations  
Curves with complex melt transitions are marked (^) and are drawn with a dotted line  
Curves coloured grey are outliers, and are excluded from Tm calculations



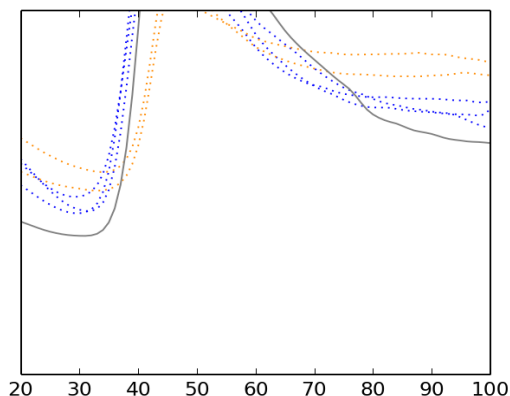
Condition: ADA (6)

Salt: 50mM NaCl 200mM NaCl

Tm: 42.57 (+/-0.12)^44.81 (+/-0.15)^

Adjusted pH at Tm: 6 at 20C

5.92 5.91



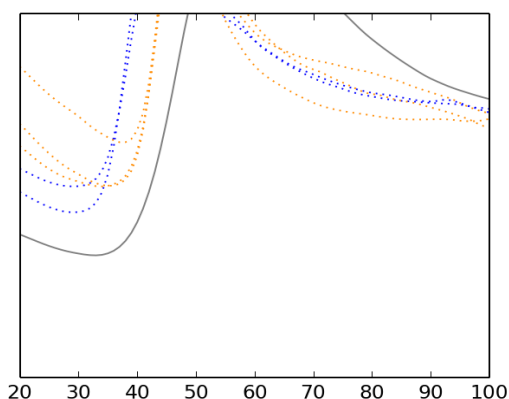
Condition: imidazole (7)

Salt: 50mM NaCl 200mM NaCl

Tm: 37.77 (+/-0.31)^41.91 (+/-0.0)^

Adjusted pH at Tm: 7 at 20C

6.7 6.63



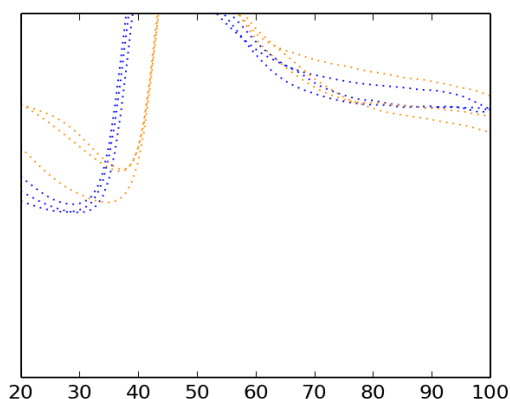
Condition: sodium MOPS (7)

Salt: 50mM NaCl 200mM NaCl

Tm: 37.85 (+/-0.11)^42.89 (+/-0.2)^

Adjusted pH at Tm: 7 at 20C

6.85 6.81



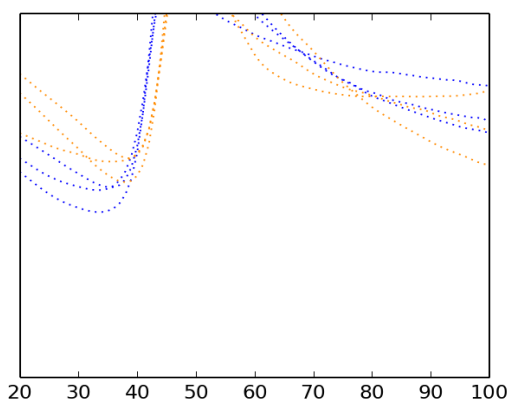
Condition: sodium HEPES (7)

Salt: 50mM NaCl 200mM NaCl

Tm: 37.26 (+/-0.43)^42.32 (+/-0.02)^

Adjusted pH at Tm: 7 at 20C

6.9 6.87



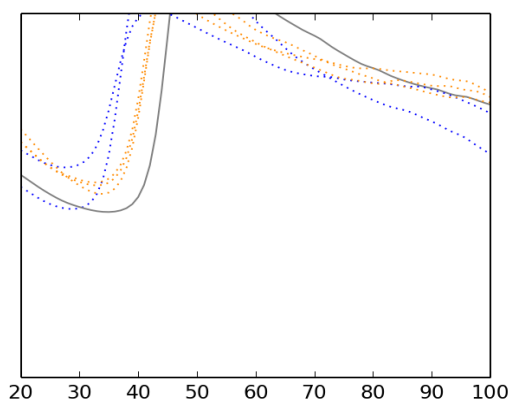
Condition: Na2H/KH2 phosphate (7)

Salt: 50mM NaCl 200mM NaCl

Tm: 41.8 (+/-0.26)^44.03 (+/-0.11)^

Adjusted pH at Tm: 7 at 20C

7.12 7.13



Condition: tris chloride (8)

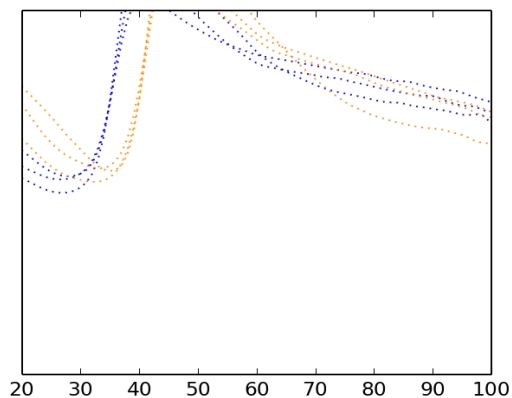
Salt: 50mM NaCl 200mM NaCl

Tm: 36.11 (+/-0.61)^40.71 (+/-0.02)^

Adjusted pH at Tm: 8 at 20C

7.67 7.58

Curves drawn with dashed lines are monotonic and excluded from Tm calculations  
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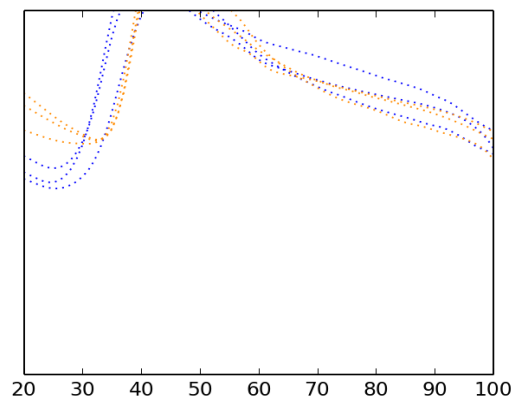
Condition: glycyl-glycine (8)

Salt: 50mM NaCl      200mM NaCl

Tm: 35.56 (+/-0.19)^40.79 (+/-0.15)^

Adjusted pH at Tm: 8 at 20C

7.74                  7.65



Condition: CHES (9)

Salt: 50mM NaCl      200mM NaCl

Tm: 33.87 (+/-1.14)^38.07 (+/-0.13)^

Adjusted pH at Tm: 9 at 20C

8.83                  8.78

Curves drawn with dashed lines are monotonic and excluded from Tm calculations  
 Curves with complex melt transitions are marked (^) and are drawn with a dotted line  
 Curves coloured grey are outliers, and are excluded from Tm calculations