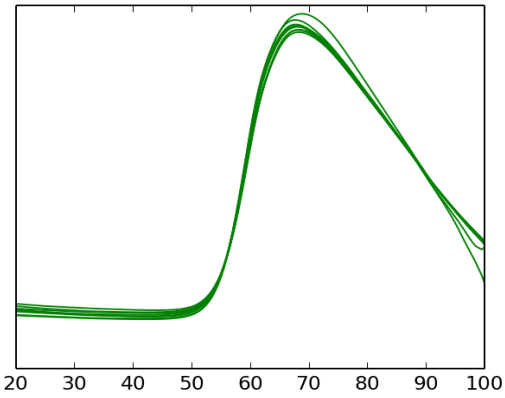
MELTDOWN Melt Curve Analysis

p6_EDTA-EGTA-Ca-Mg_JMN_241114 - Melt C...



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

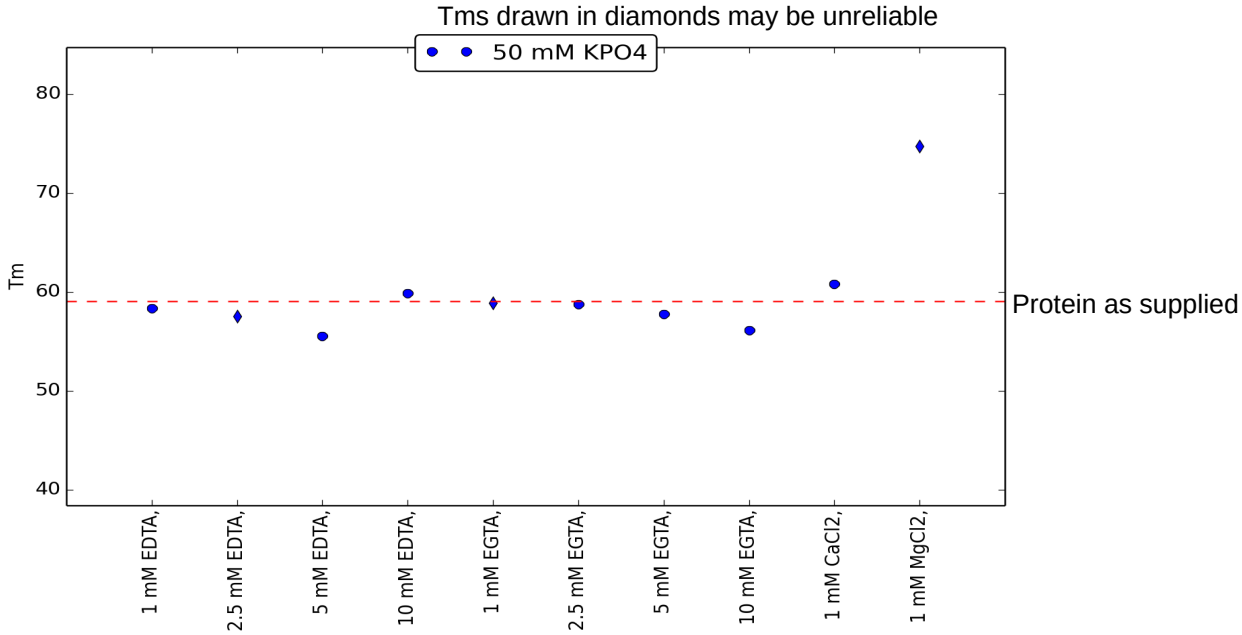
98% of curves were used in Tm estimations

Average estimation of error is **0.2 C**

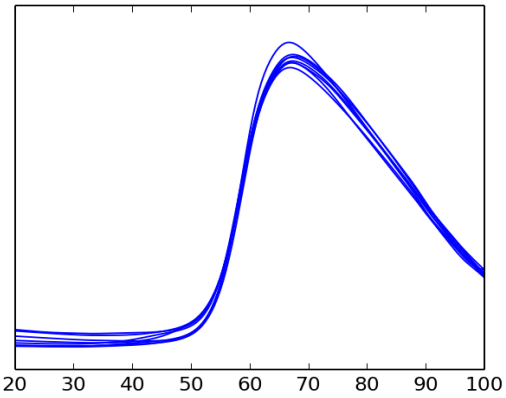
Protein as supplied is **well behaved**

Protein as supplied: Tm = 59.07(+/-0.1)

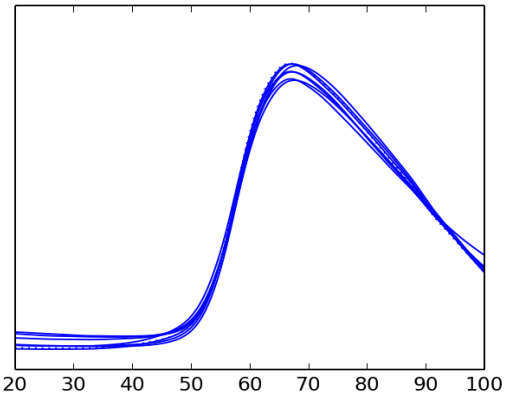
Lysozyme Control: Not found
No Dye Control: Not found
No Protein Control: Not Found



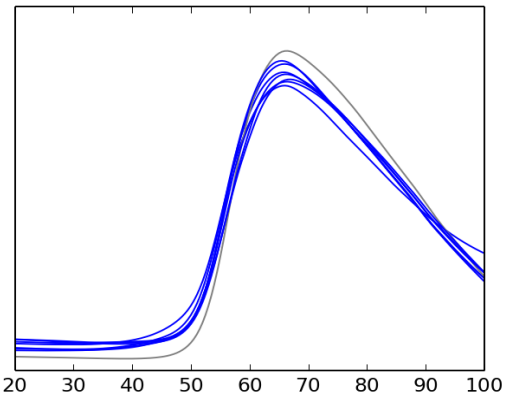
Highest Tm = 74.72 +/- 0.23
(1 mM MgCl2 / 50 mM KPO4)



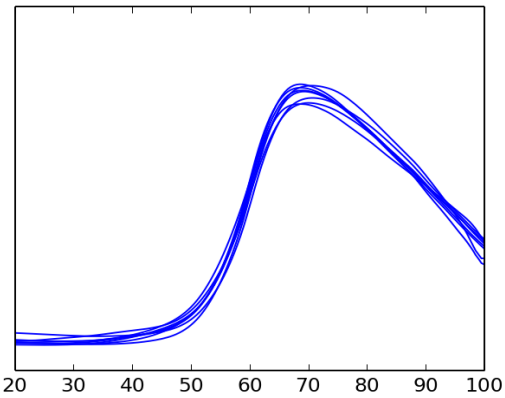
Condition: 1 mM EDTA ()
Salt: 50 mM KPO4
Tm: 58.33 (+/-0.26)



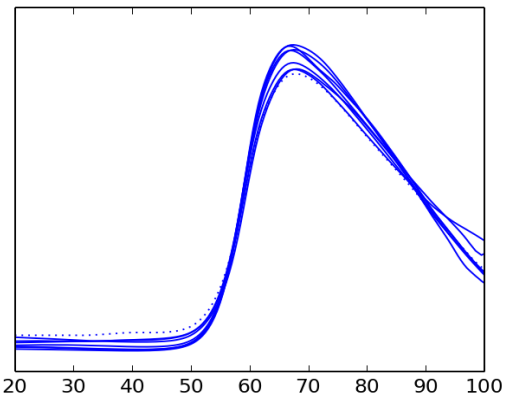
Condition: 2.5 mM EDTA ()
Salt: 50 mM KPO4
Tm: 57.54 (+/-0.19)^



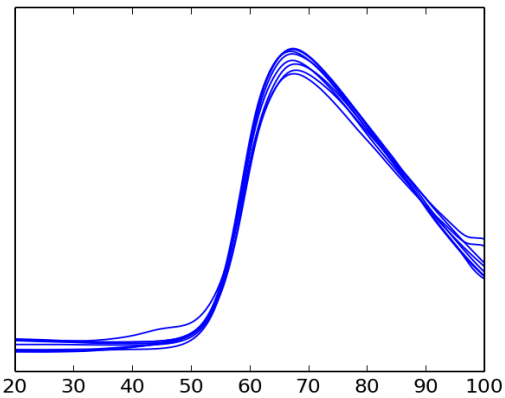
Condition: 5 mM EDTA ()
Salt: 50 mM KPO4
Tm: 55.57 (+/-0.16)



Condition: 10 mM EDTA ()
Salt: 50 mM KPO4
Tm: 59.87 (+/-0.21)

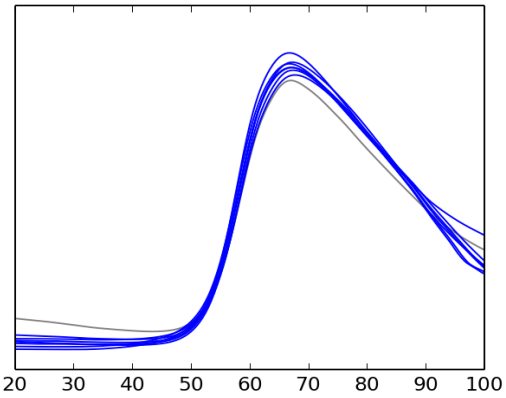


Condition: 1 mM EGTA ()
Salt: 50 mM KPO4
Tm: 58.88 (+/-0.1)^

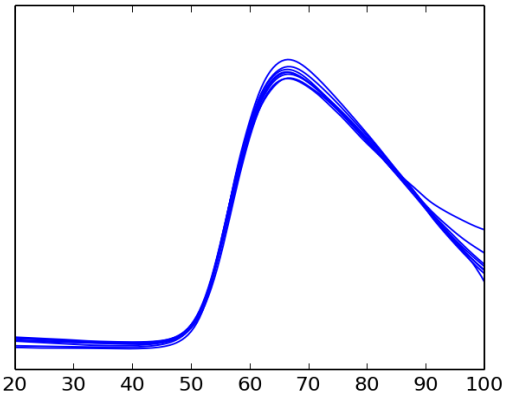


Condition: 2.5 mM EGTA ()
Salt: 50 mM KPO4
Tm: 58.74 (+/-0.14)

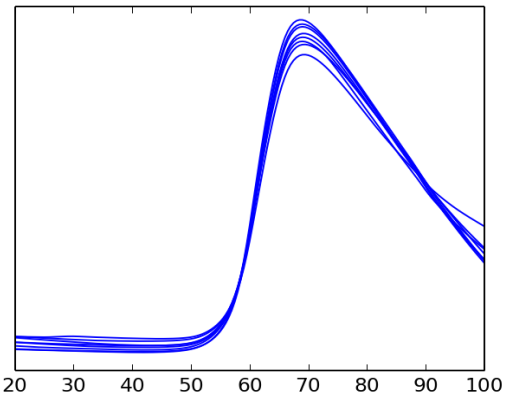
Curves drawn with dashed lines are monotonic and excluded from Tm calculations
Curves with complex melt transitions are marked (^) and are drawn with a dotted line
Curves coloured grey are outliers, and are excluded from Tm calculations



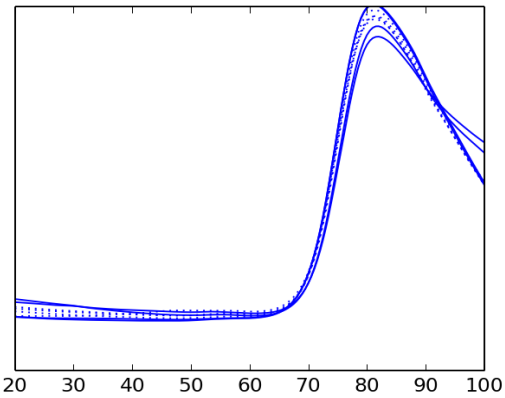
Condition: 5 mM EGTA ()
Salt: 50 mM KPO4
Tm: 57.77 (+/-0.32)



Condition: 10 mM EGTA ()
Salt: 50 mM KPO4
Tm: 56.12 (+/-0.22)



Condition: 1 mM CaCl2 ()
Salt: 50 mM KPO4
Tm: 60.8 (+/-0.1)



Condition: 1 mM MgCl2 ()
Salt: 50 mM KPO4
Tm: 74.72 (+/-0.23)^

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