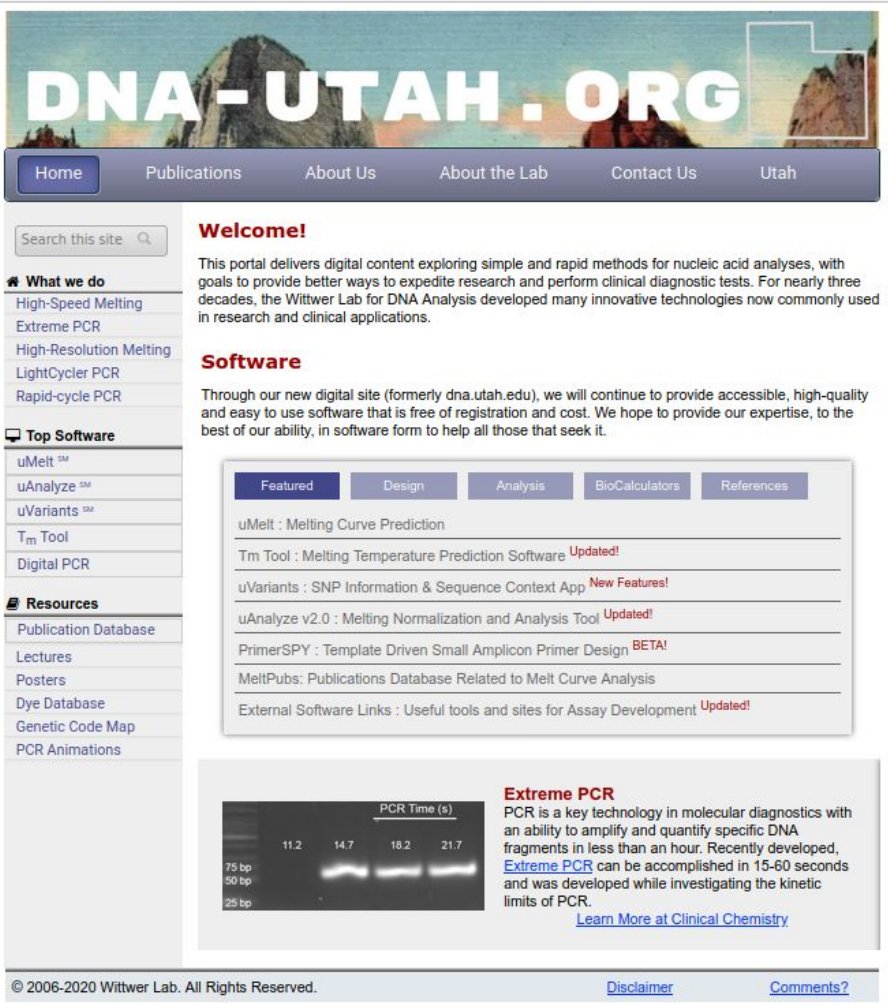
uMelt Quartz SM User Guide

Created by Zachary Dwight



About uMelt Quartz

Address:

dna-utah.org/umelt/quartz

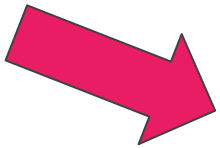
Publication:

https://academic.oup.com/bioinformatics/article/27/7/1019/232651

GUI

Much like the original Flash version of uMelt, defaults are in and already selected.

Copy and paste your sequence into the box below:

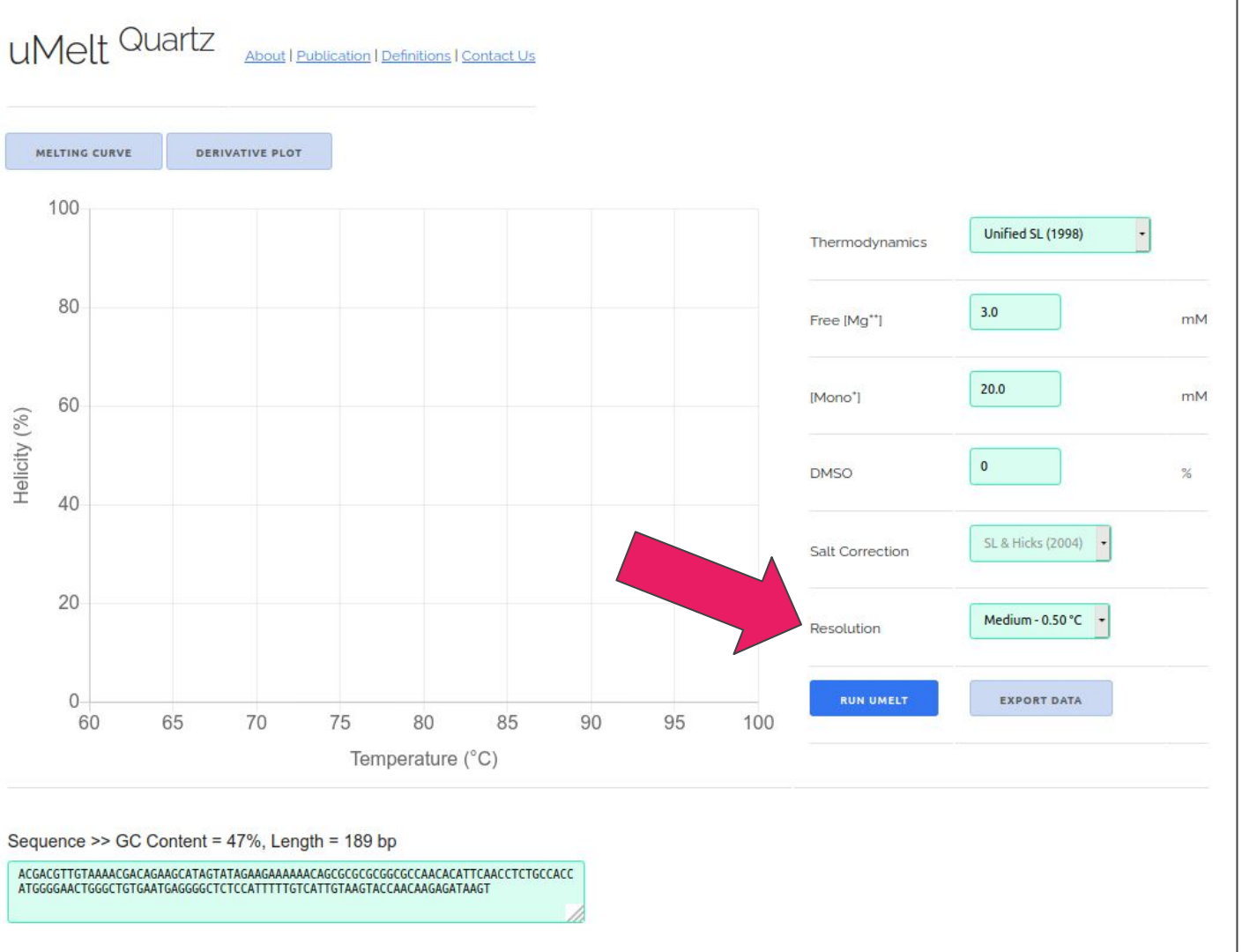


Parameters

Match parameters to those closest to your laboratory or PCR conditions to obtain a more accurate melting prediction:

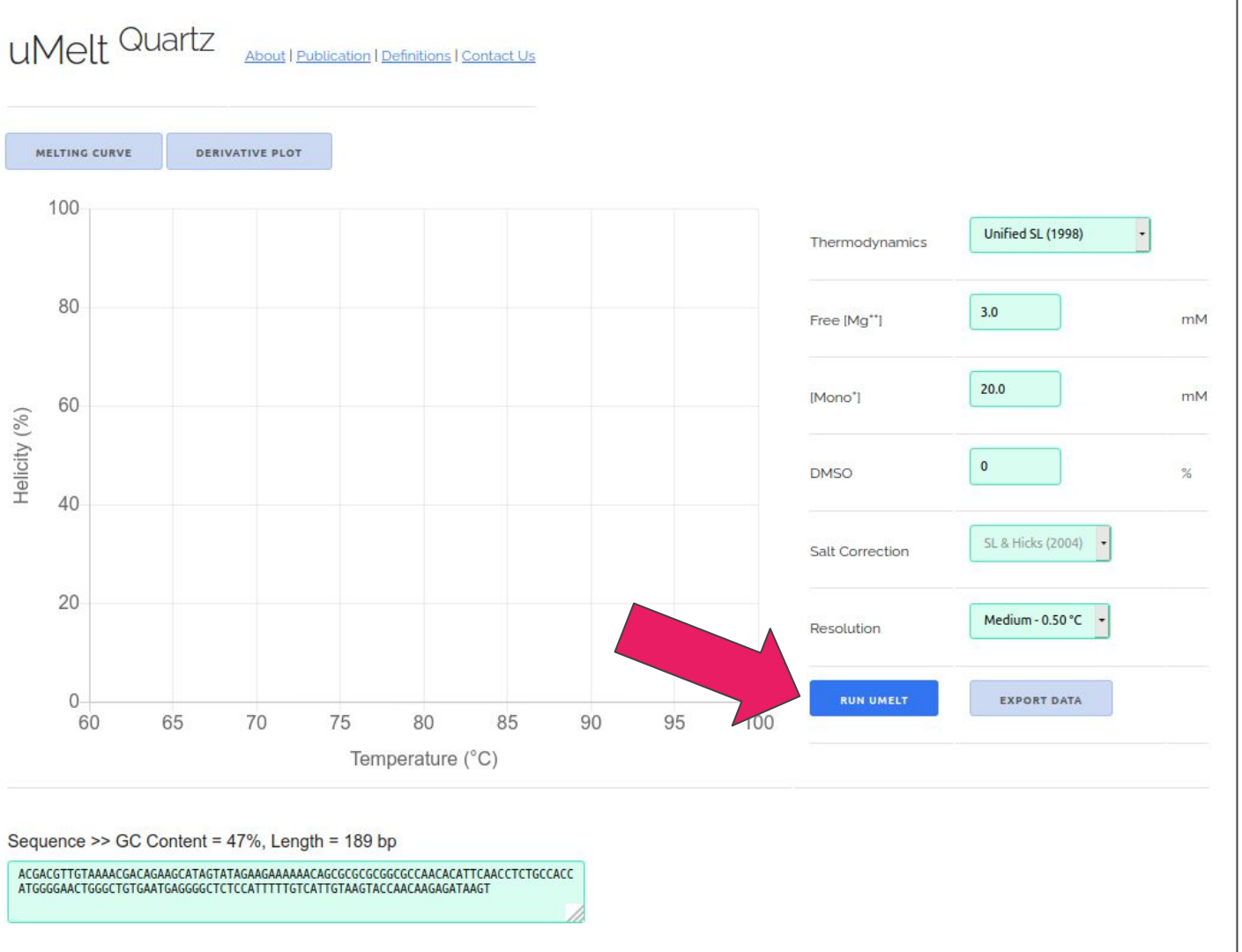
Resolution

The density of predicted points can be adjusted. More points provides smoother curves but calculation time takes longer:



Run!

When all the inputs and parameters are set - click the ‘Run uMelt’ button:



Melt Curve

A melting curve is graphed upon calculation completion:

Derivative Plot

A melting derivative plot is also available:

Data Export

Use the ‘Export Data’ button to download all the graph outputs (melting and derivative) to .csv file:

Thanks!

Questions, comments, feedback:

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Our site:

dna-utah.org