

bcar-i-alg9-24-03-08 Report

Quantitative PCR - DNA Binding Dye Including Standard Melt

Includes: Plate Setup, Thermal Profile, Raw Data Plots, Analysis Criteria, Amplification Plots, Standard Curve Plots, Melt Raw Derivative Curve, Consolidated Plots, Tabular Results, Experiment Notes

Instrument Name: New_Instrument

Firmware Version:: 3.1.1606.1402

Software Version: Agilent Aria Software v2.0

Last Modified Date: 08 Mar 2024 22:31:38

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 09 Mar 2024 20:10:18

Elapsed Time: 1 : 48 : 49

Report Generated: 09 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-i-alg9-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 20:10:18

Plate Setup

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard S	Standard S	Standard S
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard S	Standard S	Standard S
C	Unknown 3	Unknown 3	Unknown 3	Unknown 9	Unknown 9	Unknown 9	Unknown 15	Unknown 15	Unknown 15	Standard S	Standard S	Standard S
D	Unknown 4	Unknown 4	Unknown 4	Unknown 10	Unknown 10	Unknown 10	Unknown 16	Unknown 16	Unknown 16	Standard S	Standard S	Standard S
E	Unknown 5	Unknown 5	Unknown 5	Unknown 11	Unknown 11	Unknown 11	Unknown 17	Unknown 17	Unknown 17	Standard S	Standard S	
F	Unknown	Unknown 6	Unknown 6	Unknown 12	Unknown 12	Unknown 12	Unknown 18	Unknown 18	Unknown 18	Standard	Standard	Standard S
G	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	Standard	Standard	Standard
H	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	NTC	NTC	NTC

gets: | ● ALG9

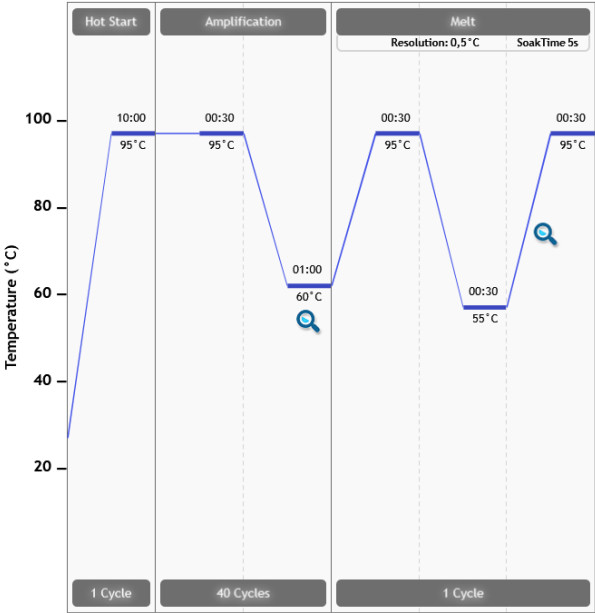
Instrument Name: New_Instrument
Instrument Type: AriaMx

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Run Date: 09 Mar 2024 20:10:18

Thermal Profile

Estimated Runtime: N/A

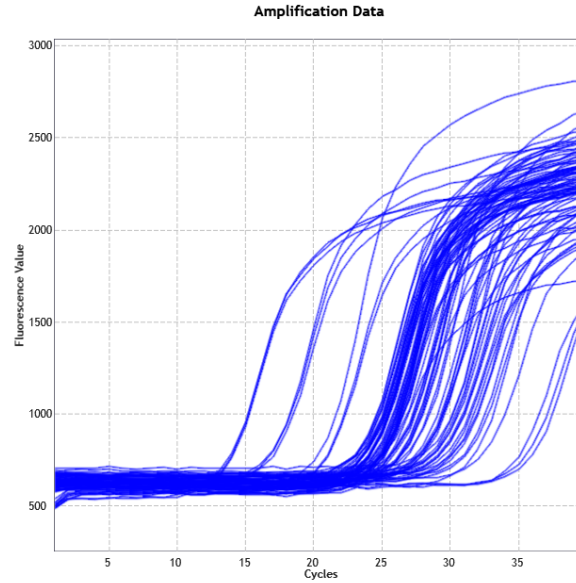
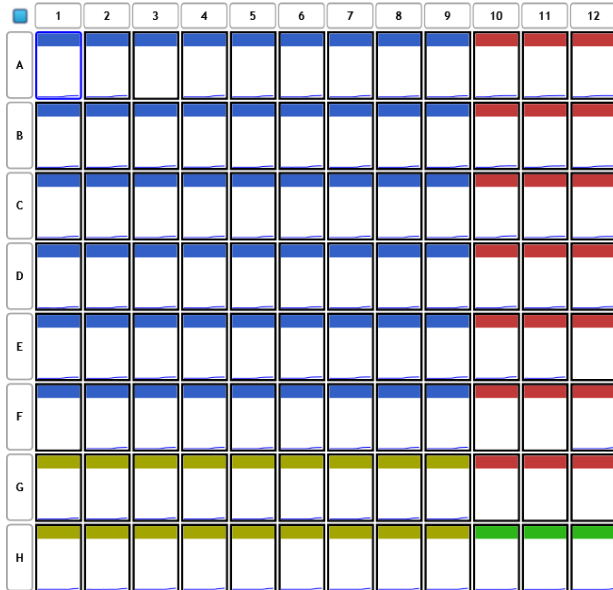
Total Data Collection Points: 121/2700



Instrument Name: New_Instrument
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Raw Data Plots



Instrument Name: New_Instrument
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Analysis Criteria

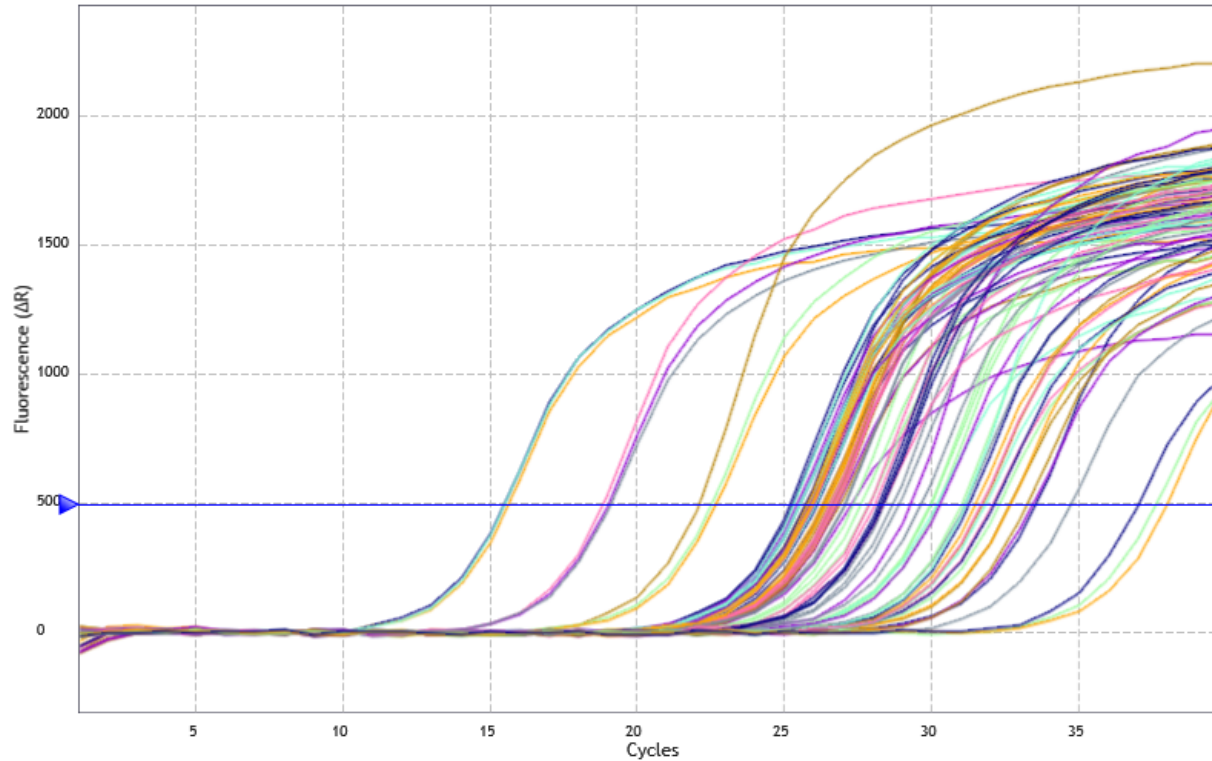
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 3	Unknown 3	Unknown 9	Unknown 9	Unknown 9	Unknown 15	Unknown 15	Unknown 15	Standard 5	Standard 5	Standard 5
D	Unknown 4	Unknown 4	Unknown 4	Unknown 10	Unknown 10	Unknown 10	Unknown 16	Unknown 16	Unknown 16	Standard 5	Standard 5	Standard 5
E	Unknown 5	Unknown 5	Unknown 5	Unknown 11	Unknown 11	Unknown 11	Unknown 17	Unknown 17	Unknown 17	Standard 5	Standard 5	Standard
F	Unknown	Unknown 6	Unknown 6	Unknown 12	Unknown 12	Unknown 12	Unknown 18	Unknown 18	Unknown 18	Standard	Standard	Standard 5
G	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	Standard	Standard	Standard
H	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	No RT	NTC	NTC	NTC

gets: ALG9

Instrument Name: New_Instrument
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Amplification Plots

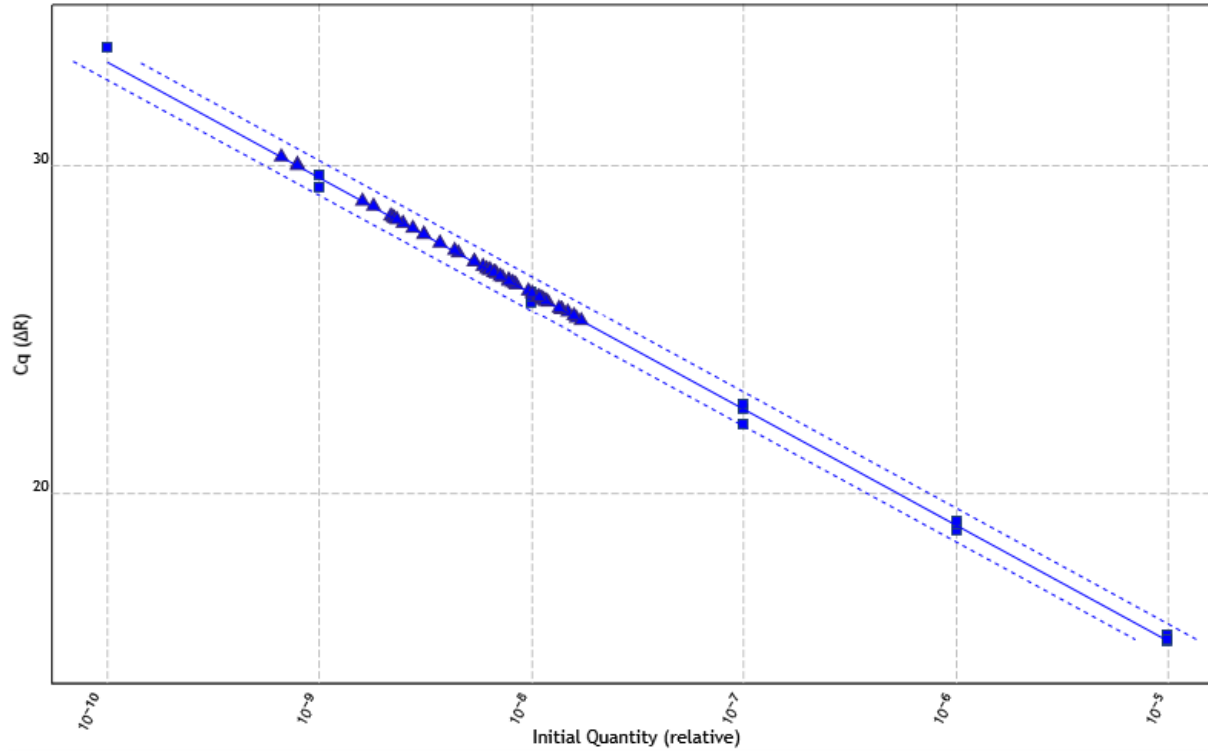


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

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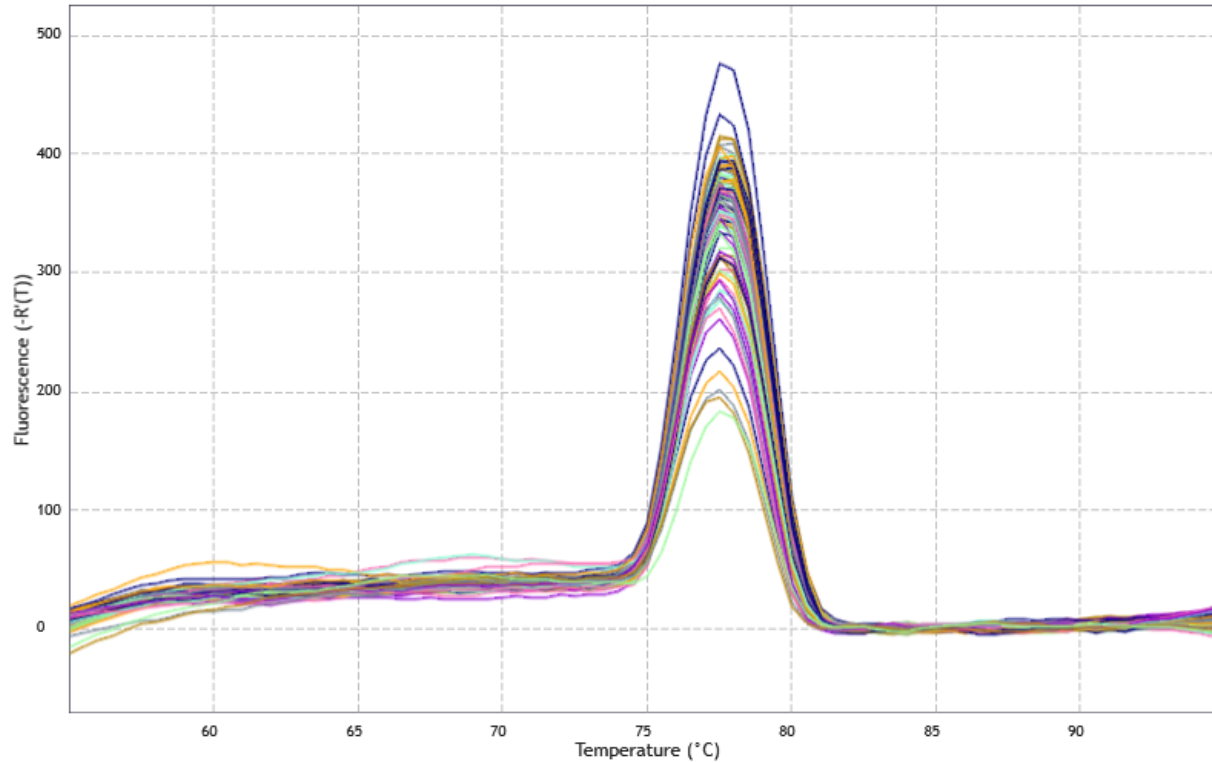
Standard Curve Plots



Instrument Name: New_Instrument
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Melt Raw Derivative Curve

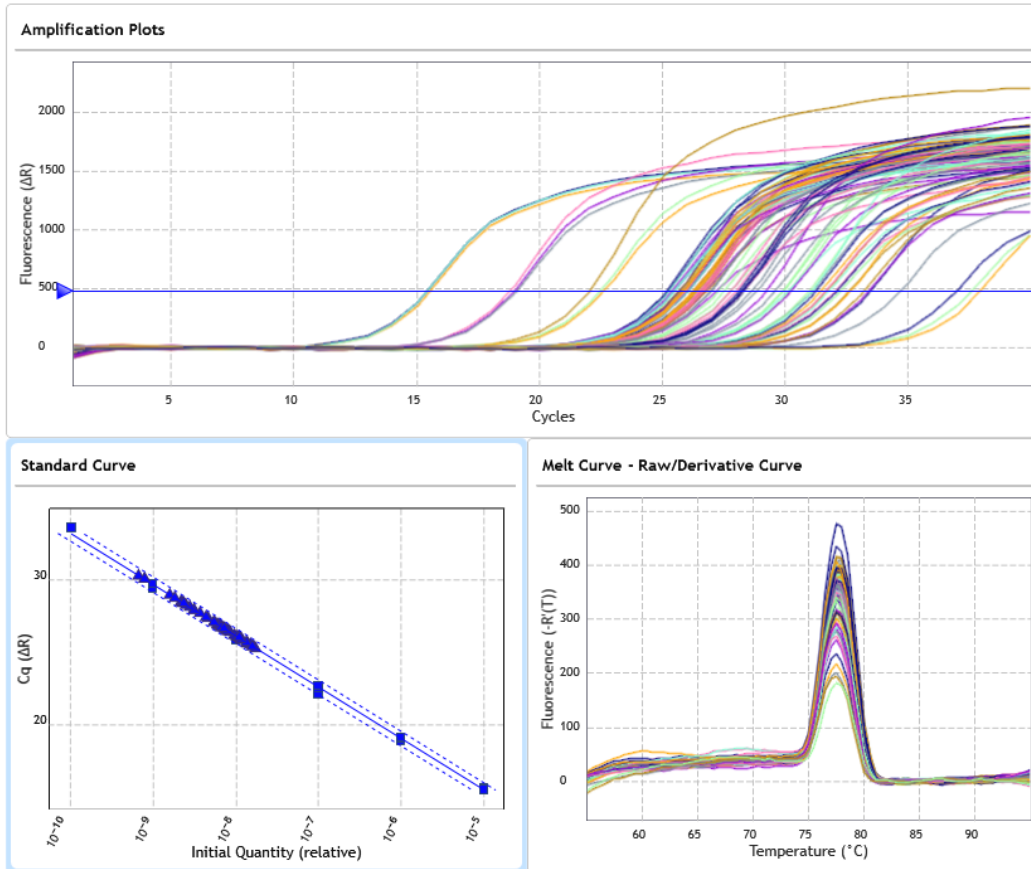


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

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Graphical Displays



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Tabular Results (1 of 4)

Target	Dye	Threshold	R ²	Slope	Efficiency
ALG9	SYBR	500	0,998	-3,535	91,83

Well	Well Type	Dye	Target	Replicate	Tm Product 1 (-R'(T))
A1	Unknown	SYBR	ALG9	1	77,50
A2	Unknown	SYBR	ALG9	1	77,50
A4	Unknown	SYBR	ALG9	7	77,50
A5	Unknown	SYBR	ALG9	7	78,00
A6	Unknown	SYBR	ALG9	7	78,00
A7	Unknown	SYBR	ALG9	13	77,50
A8	Unknown	SYBR	ALG9	13	77,50
A9	Unknown	SYBR	ALG9	13	77,50
A10	Standard	SYBR	ALG9	---	77,50
A11	Standard	SYBR	ALG9	---	77,50
A12	Standard	SYBR	ALG9	---	78,00
B1	Unknown	SYBR	ALG9	2	77,50
B2	Unknown	SYBR	ALG9	2	77,50
B3	Unknown	SYBR	ALG9	2	77,50
B4	Unknown	SYBR	ALG9	8	77,50
B5	Unknown	SYBR	ALG9	8	77,50
B6	Unknown	SYBR	ALG9	8	78,00
B7	Unknown	SYBR	ALG9	14	78,00
B8	Unknown	SYBR	ALG9	14	77,50
B9	Unknown	SYBR	ALG9	14	77,50
B10	Standard	SYBR	ALG9	---	77,50

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-i-alg9-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 20:10:18

Tabular Results (2 of 4)

Well	Well Type	Dye	Target	Replicate	Tm Product 1 (-R'(T))
B11	Standard	SYBR	ALG9	---	77,50
B12	Standard	SYBR	ALG9	---	77,50
C1	Unknown	SYBR	ALG9	3	77,50
C2	Unknown	SYBR	ALG9	3	77,50
C3	Unknown	SYBR	ALG9	3	77,50
C4	Unknown	SYBR	ALG9	9	78,00
C5	Unknown	SYBR	ALG9	9	78,00
C6	Unknown	SYBR	ALG9	9	78,00
C7	Unknown	SYBR	ALG9	15	78,00
C8	Unknown	SYBR	ALG9	15	77,50
C9	Unknown	SYBR	ALG9	15	77,50
C10	Standard	SYBR	ALG9	---	77,50
C11	Standard	SYBR	ALG9	---	77,50
C12	Standard	SYBR	ALG9	---	77,50
D1	Unknown	SYBR	ALG9	4	77,50
D2	Unknown	SYBR	ALG9	4	77,50
D3	Unknown	SYBR	ALG9	4	77,50
D4	Unknown	SYBR	ALG9	10	77,50
D5	Unknown	SYBR	ALG9	10	78,00
D6	Unknown	SYBR	ALG9	10	77,50
D7	Unknown	SYBR	ALG9	16	77,50
D8	Unknown	SYBR	ALG9	16	77,50
D9	Unknown	SYBR	ALG9	16	77,50
D10	Standard	SYBR	ALG9	---	77,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

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Tabular Results (3 of 4)

Well	Well Type	Dye	Target	Replicate	Tm Product 1 (-R'(T))
D11	Standard	SYBR	ALG9	---	77,50
D12	Standard	SYBR	ALG9	---	77,50
E1	Unknown	SYBR	ALG9	5	77,50
E2	Unknown	SYBR	ALG9	5	77,50
E3	Unknown	SYBR	ALG9	5	77,50
E4	Unknown	SYBR	ALG9	11	77,50
E5	Unknown	SYBR	ALG9	11	77,50
E6	Unknown	SYBR	ALG9	11	78,00
E7	Unknown	SYBR	ALG9	17	78,00
E8	Unknown	SYBR	ALG9	17	78,00
E9	Unknown	SYBR	ALG9	17	77,50
E10	Standard	SYBR	ALG9	---	77,50
E11	Standard	SYBR	ALG9	---	77,50
F2	Unknown	SYBR	ALG9	6	77,50
F3	Unknown	SYBR	ALG9	6	77,50
F4	Unknown	SYBR	ALG9	12	77,50
F5	Unknown	SYBR	ALG9	12	77,50
F6	Unknown	SYBR	ALG9	12	77,50
F7	Unknown	SYBR	ALG9	18	78,00
F8	Unknown	SYBR	ALG9	18	77,50
F9	Unknown	SYBR	ALG9	18	77,50
F12	Standard	SYBR	ALG9	---	77,50
G1	No RT	SYBR	ALG9	---	77,50
G2	No RT	SYBR	ALG9	---	77,50

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Tabular Results (4 of 4)

Well	Well Type	Dye	Target	Replicate	T _m Product 1 (-R'(T))
G3	No RT	SYBR	ALG9	---	77,50
G4	No RT	SYBR	ALG9	---	77,50
G5	No RT	SYBR	ALG9	---	77,50
G6	No RT	SYBR	ALG9	---	77,50
G7	No RT	SYBR	ALG9	---	77,50
G8	No RT	SYBR	ALG9	---	77,50
G9	No RT	SYBR	ALG9	---	77,50
H1	No RT	SYBR	ALG9	---	77,50
H2	No RT	SYBR	ALG9	---	77,50
H3	No RT	SYBR	ALG9	---	77,50
H4	No RT	SYBR	ALG9	---	77,50
H5	No RT	SYBR	ALG9	---	77,50
H6	No RT	SYBR	ALG9	---	77,50
H7	No RT	SYBR	ALG9	---	77,50
H8	No RT	SYBR	ALG9	---	77,50
H9	No RT	SYBR	ALG9	---	77,50
H10	NTC	SYBR	ALG9	---	77,50
H11	NTC	SYBR	ALG9	---	77,50
H12	NTC	SYBR	ALG9	---	77,50

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Experiment Notes

< no experiment notes >