

bcar-d-crte-24-03-06 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: 07 Mar 2024 12:37:57

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 07 Mar 2024 19:36:40

Elapsed Time: 1 : 48 : 48

Report Generated: 07 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Plate Setup

	1	2	3	4	5	6	7	8	9	10	11	12
A	2A1 1	2A1 1	2A1 1	2A2 7	2A2 7	2A2 7	2A3 13	2A3 13	2A3 13	ST-5	ST-5	ST-5
B	2B1 2	2B1 2	2B1 2	2B2 8	2B2 8	2B2 8	2B3 14	2B3 14	2B3 14	ST-6	ST-6	ST-6
C	3A1 3	3A1 3	3A1 3	3A2 9	3A2 9	3A2 9	3A3 15	3A3 15	3A3 15	ST-7	ST-7	ST-7
D	3B1 4	3B1 4	3B1 4	3B2 10	3B2 10	3B2 10	3B3 16	3B3 16	3B3 16	ST-8	ST-8	ST-8
E	4A1	4A1 5	4A1 5	4A2 11	4A2 11	4A2 11	4A3 17	4A3 17	4A3 17	ST-9	ST-9	ST-9
F	4A2	4A2 6	4A2 6	4B2 12	4B2 12	4B2 12	4B3 18	4B3 18	4B3 18	ST-10	ST-10	ST-10
G	2A1	3A1	4A1	2A2	3A2	4A2	2A3	3A3	4A3	ST-11	ST-11	ST-11
H	2B1	3B1	4B1	2B2	3B2	4B2	2B3	3B3	4B3	NTC	NTC	NTC

gets: 

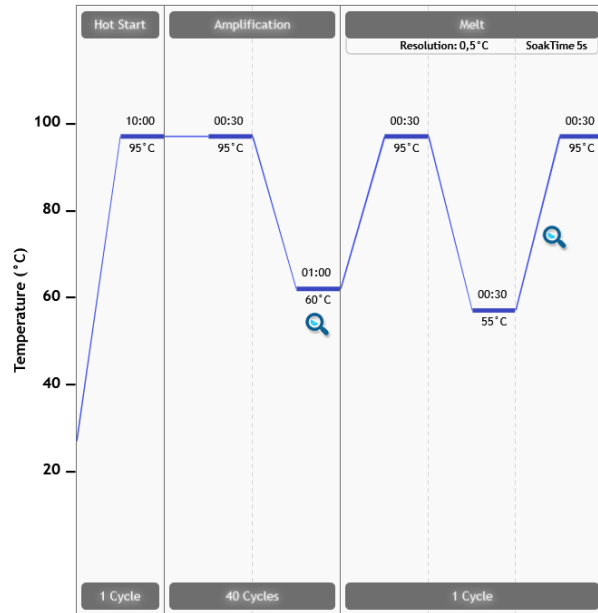
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Thermal Profile

Estimated Runtime: N/A

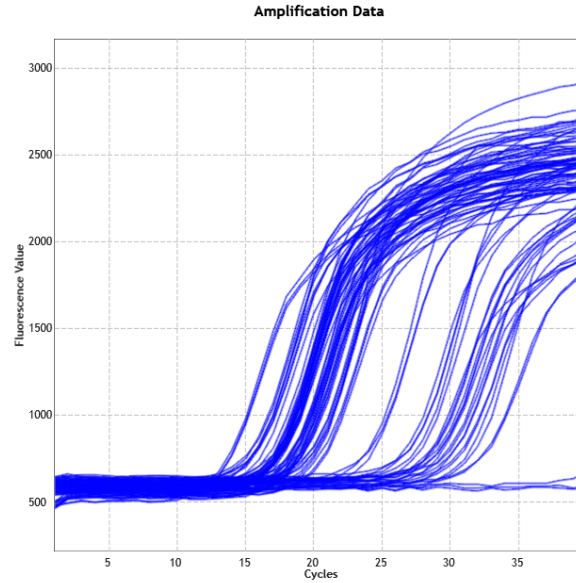
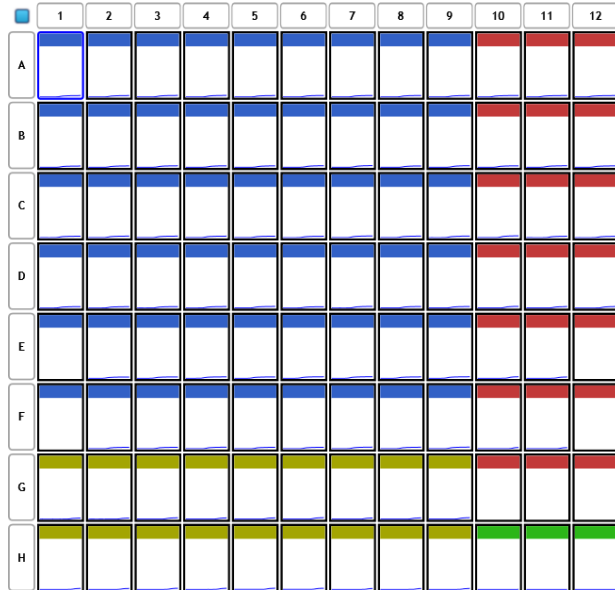
Total Data Collection Points: 121/2700



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Raw Data Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Analysis Criteria

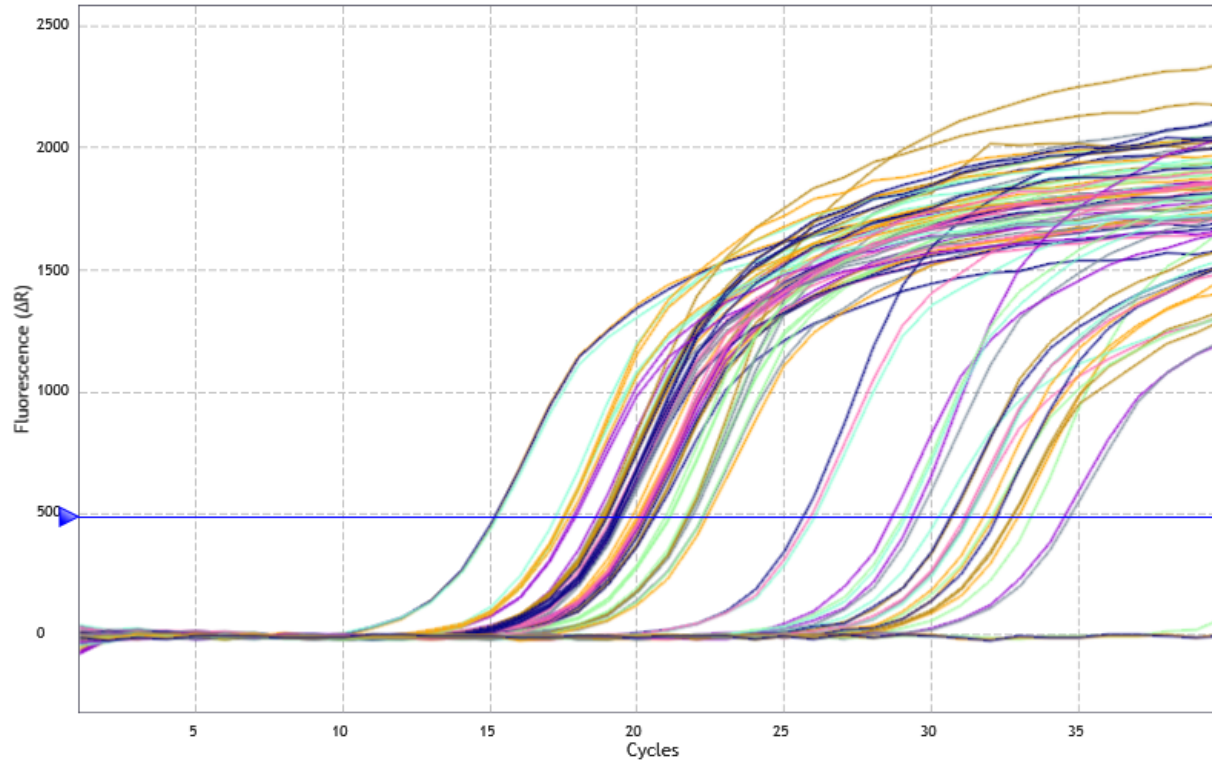
	1	2	3	4	5	6	7	8	9	10	11	12
A	2A1 1	2A1 1	2A1 1	2A2 7	2A2 7	2A2 7	2A3 13	2A3 13	2A3 13	ST-5 5	ST-5 5	ST-5 5
B	2B1 2	2B1 2	2B1 2	2B2 8	2B2 8	2B2 8	2B3 14	2B3 14	2B3 14	ST-6 5	ST-6 5	ST-6 5
C	3A1 3	3A1 3	3A1 3	3A2 9	3A2 9	3A2 9	3A3 15	3A3 15	3A3 15	ST-7 5	ST-7 5	ST-7 5
D	3B1 4	3B1 4	3B1 4	3B2 10	3B2 10	3B2 10	3B3 16	3B3 16	3B3 16	ST-8 5	ST-8 5	ST-8 5
E	4A1	4A1 5	4A1 5	4A2 11	4A2 11	4A2 11	4A3 17	4A3 17	4A3 17	ST-9 5	ST-9 5	ST-9
F	4A2	4A2 6	4A2 6	4B2 12	4B2 12	4B2 12	4B3 18	4B3 18	4B3 18	ST-10 5	ST-10 5	ST-10
G	2A1	3A1	4A1	2A2	3A2	4A2	2A3	3A3	4A3	ST-11	ST-11	ST-11
H	2B1	3B1	4B1	2B2	3B2	4B2	2B3	3B3	4B3	NTC	NTC	NTC

gets: 

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Amplification Plots

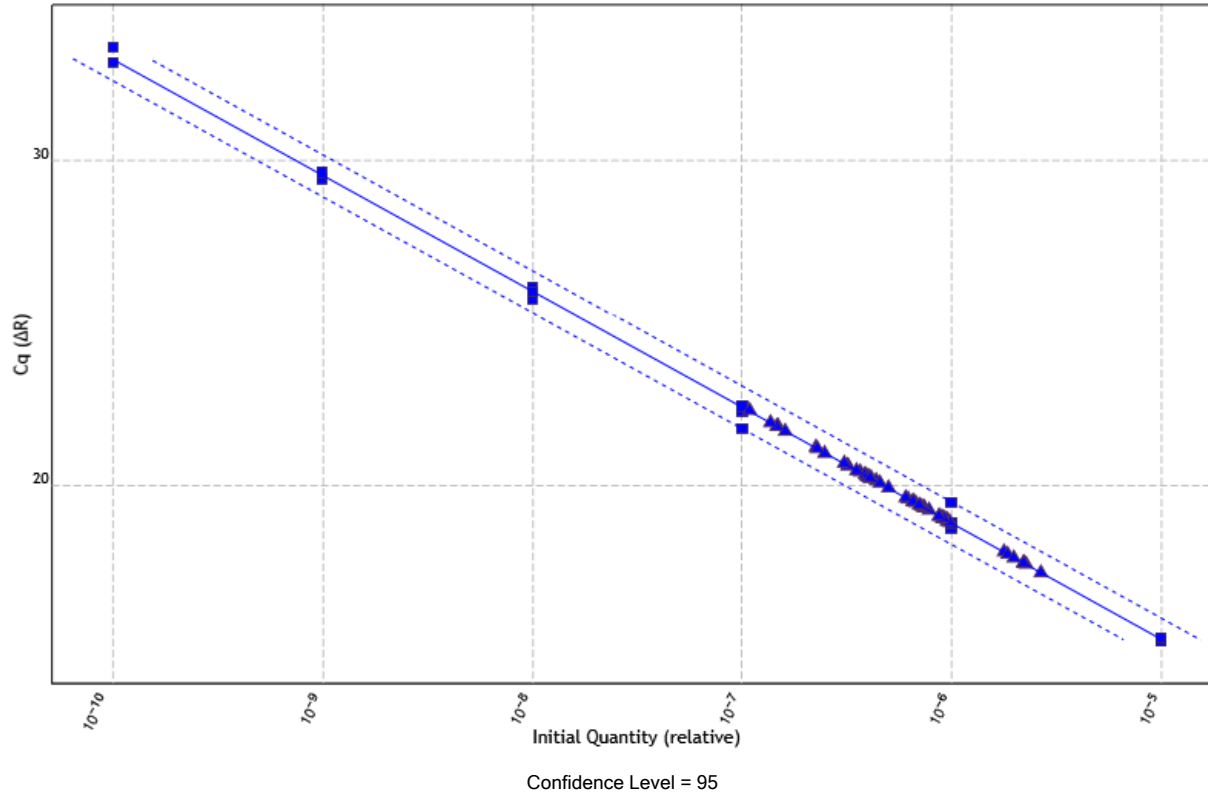


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

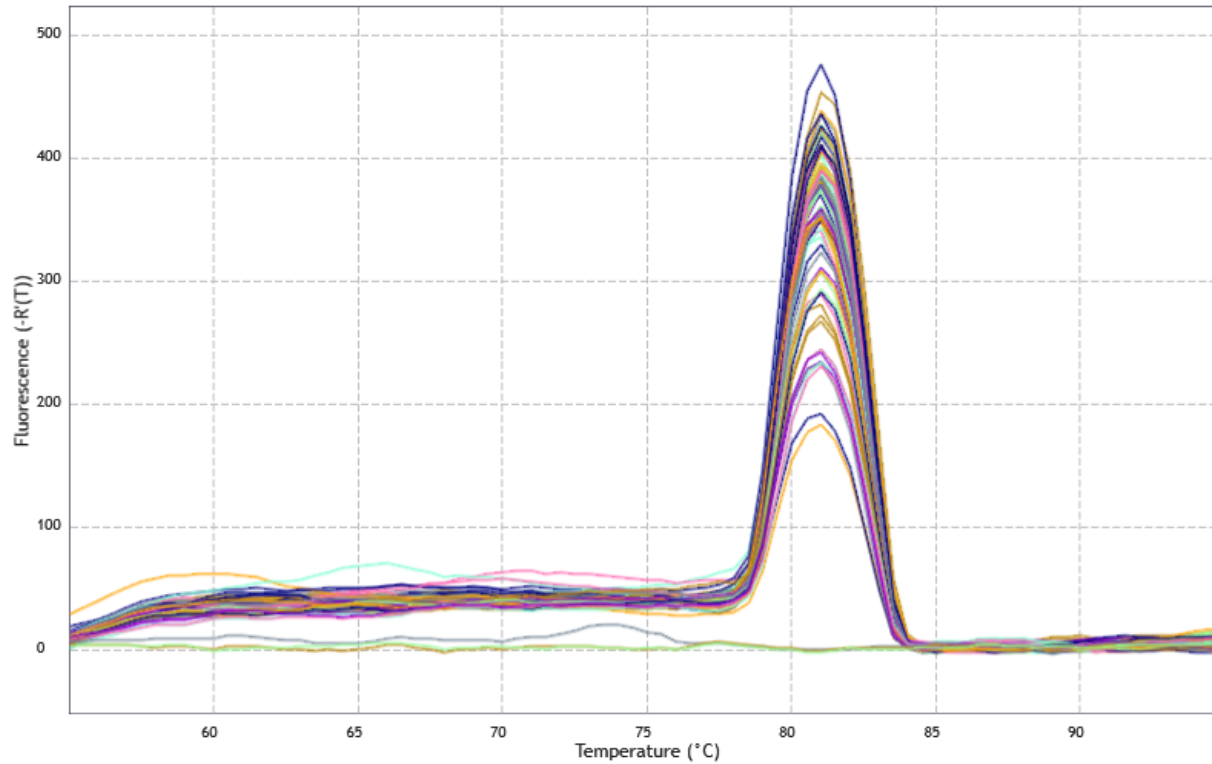
Standard Curve Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
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Run Date: 07 Mar 2024 19:36:40

Melt Raw Derivative Curve



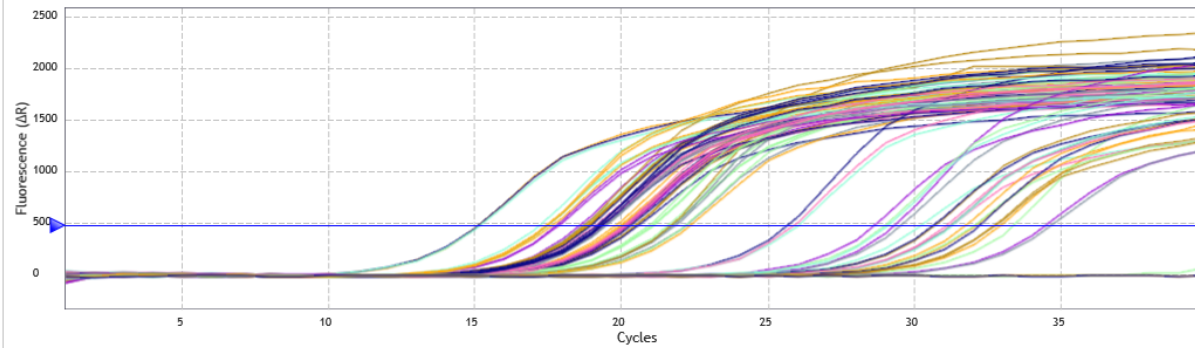
Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

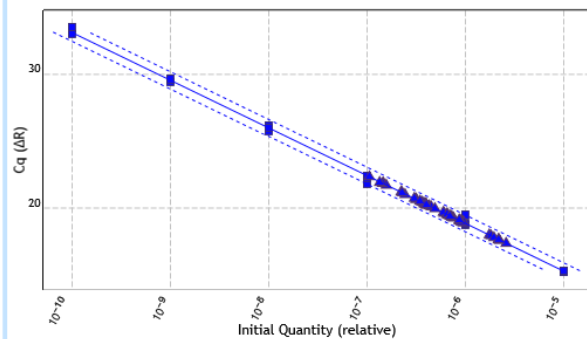
Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Graphical Displays

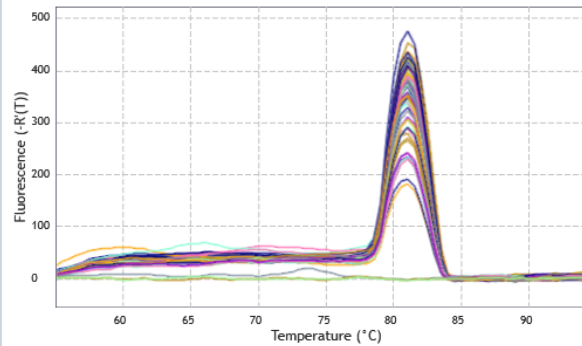
Amplification Plots



Standard Curve



Melt Curve - Raw/Derivative Curve



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
CrtE	SYBR	500	0,998	-3,574	90,46

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
A1	Unknown	2A1	CrtE	1	2315	1724,881	4,513	500,000	7	14	20,12	+	4,31e-007
A2	Unknown	2A1	CrtE	1	2299	1721,619	4,580	500,000	7	14	20,06	+	4,49e-007
A3	Unknown	2A1	CrtE	1	2466	1863,262	4,854	500,000	7	14	19,90	+	4,96e-007
A4	Unknown	2A2	CrtE	7	2490	1948,345	5,000	500,000	3	14	20,38	+	3,64e-007
A5	Unknown	2A2	CrtE	7	2300	1766,676	4,802	500,000	3	14	20,60	+	3,16e-007
A6	Unknown	2A2	CrtE	7	2417	1860,692	5,025	500,000	4	15	20,59	+	3,19e-007
A7	Unknown	2A3	CrtE	13	2365	1859,071	5,043	500,000	7	14	20,28	+	3,89e-007
A8	Unknown	2A3	CrtE	13	2383	1861,357	5,070	500,000	3	14	20,22	+	4,04e-007
A9	Unknown	2A3	CrtE	13	2351	1791,781	4,655	500,000	3	14	20,31	+	3,82e-007
A10	Standard	ST-5	CrtE	---	2393	1849,286	4,914	500,000	3	9	15,24	+	1,00e-005
A11	Standard	ST-5	CrtE	---	2343	1857,143	4,851	500,000	3	9	15,20	+	1,00e-005
A12	Standard	ST-5	CrtE	---	2319	1811,357	4,752	500,000	3	9	15,29	+	1,00e-005
B1	Unknown	2B1	CrtE	2	2204	1586,048	3,964	500,000	7	14	20,66	+	3,04e-007
B2	Unknown	2B1	CrtE	2	2361	1698,828	4,050	500,000	7	15	20,44	+	3,49e-007
B3	Unknown	2B1	CrtE	2	2492	1852,286	4,231	500,000	7	14	20,24	+	3,99e-007
B4	Unknown	2B2	CrtE	8	2481	1829,432	3,957	500,000	2	16	21,78	+	1,47e-007
B5	Unknown	2B2	CrtE	8	2426	1805,354	4,098	500,000	2	16	21,79	+	1,47e-007
B6	Unknown	2B2	CrtE	8	2580	1946,887	4,336	500,000	2	16	21,66	+	1,59e-007
B7	Unknown	2B3	CrtE	14	2688	2101,657	4,659	500,000	2	16	21,81	+	1,45e-007
B8	Unknown	2B3	CrtE	14	2320	1730,269	4,143	500,000	2	17	22,27	+	1,07e-007
B9	Unknown	2B3	CrtE	14	2620	2009,888	4,381	500,000	3	16	21,91	+	1,36e-007

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06

Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt

Run Date: 07 Mar 2024 19:36:40

Tabular Results (2 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
4,59e-007	3,37e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
4,59e-007	3,37e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
4,59e-007	3,37e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,33e-007	2,68e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,33e-007	2,68e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,33e-007	2,68e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,92e-007	1,13e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,92e-007	1,13e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,92e-007	1,13e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-005	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-005	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-005	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,51e-007	4,76e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,51e-007	4,76e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,51e-007	4,76e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,51e-007	7,14e-009	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,51e-007	7,14e-009	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,51e-007	7,14e-009	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,29e-007	1,95e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,29e-007	1,95e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,29e-007	1,95e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-006	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-006	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-006	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Tabular Results (3 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
C1	Unknown	3A1	CrtE	3	2449	1860,786	4,485	500,000	7	13	18,98	+	8,95e-007
C2	Unknown	3A1	CrtE	3	2562	1939,571	4,463	500,000	7	13	18,90	+	9,46e-007
C3	Unknown	3A1	CrtE	3	2549	1900,357	4,277	500,000	7	13	18,89	+	9,50e-007
C4	Unknown	3A2	CrtE	9	2524	1880,000	4,179	500,000	7	13	18,94	+	9,20e-007
C5	Unknown	3A2	CrtE	9	2473	1905,400	4,400	500,000	3	13	18,90	+	9,43e-007
C6	Unknown	3A2	CrtE	9	2387	1843,636	4,356	500,000	3	13	18,97	+	9,04e-007
C7	Unknown	3A3	CrtE	15	2750	2182,000	4,885	500,000	2	13	18,84	+	9,80e-007
C8	Unknown	3A3	CrtE	15	2581	2031,121	4,489	500,000	2	13	19,02	+	8,75e-007
C9	Unknown	3A3	CrtE	15	2535	2005,418	4,643	500,000	3	13	18,96	+	9,11e-007
C10	Standard	ST-7	CrtE	---	2923	2350,964	5,110	500,000	7	16	21,75	+	1,00e-007
C11	Standard	ST-7	CrtE	---	2407	1860,764	4,329	500,000	7	16	22,26	+	1,00e-007
C12	Standard	ST-7	CrtE	---	2308	1748,364	4,151	500,000	7	16	22,43	+	1,00e-007
D1	Unknown	3B1	CrtE	4	2382	1840,855	4,292	500,000	3	13	19,21	+	7,71e-007
D2	Unknown	3B1	CrtE	4	2328	1657,667	3,919	500,000	7	14	19,44	+	6,65e-007
D3	Unknown	3B1	CrtE	4	2401	1710,798	3,975	500,000	7	14	19,29	+	7,35e-007
D4	Unknown	3B2	CrtE	10	2460	1817,643	4,114	500,000	7	13	19,29	+	7,35e-007
D5	Unknown	3B2	CrtE	10	2599	2000,682	4,233	500,000	2	13	19,04	+	8,65e-007
D6	Unknown	3B2	CrtE	10	2245	1672,782	3,838	500,000	3	13	19,48	+	6,50e-007
D7	Unknown	3B3	CrtE	16	2649	2046,742	4,386	500,000	2	16	20,98	+	2,47e-007
D8	Unknown	3B3	CrtE	16	2508	1907,207	4,105	500,000	2	16	21,14	+	2,23e-007
D9	Unknown	3B3	CrtE	16	2519	1903,044	3,899	500,000	2	15	21,11	+	2,27e-007
D10	Standard	ST-8	CrtE	---	2725	2123,870	4,381	500,000	2	20	25,73	+	1,00e-008
D11	Standard	ST-8	CrtE	---	2437	1811,641	4,015	500,000	3	20	26,09	+	1,00e-008
D12	Standard	ST-8	CrtE	---	2459	1881,826	4,154	500,000	2	20	25,94	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

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Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt

Run Date: 07 Mar 2024 19:36:40

Tabular Results (4 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
9,30e-007	3,03e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,30e-007	3,03e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,30e-007	3,03e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,22e-007	1,94e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,22e-007	1,94e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,22e-007	1,94e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,22e-007	5,34e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,22e-007	5,34e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
9,22e-007	5,34e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-007	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-007	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-007	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
7,24e-007	5,39e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
7,24e-007	5,39e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
7,24e-007	5,39e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
7,50e-007	1,08e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
7,50e-007	1,08e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
7,50e-007	1,08e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,32e-007	1,28e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,32e-007	1,28e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,32e-007	1,28e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-008	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-008	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-008	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00

Instrument Name: New_Instrument
Instrument Type: AriaMx

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Run Date: 07 Mar 2024 19:36:40

Tabular Results (5 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
E2	Unknown	4A1	CrtE	5	2321	1666,714	4,051	500,000	7	12	17,94	+	1,75e-006
E3	Unknown	4A1	CrtE	5	2465	1729,790	3,906	500,000	7	12	17,87	+	1,83e-006
E4	Unknown	4A2	CrtE	11	2517	1730,448	3,921	500,000	7	12	17,60	+	2,18e-006
E5	Unknown	4A2	CrtE	11	2440	1726,819	4,129	500,000	7	12	17,60	+	2,18e-006
E6	Unknown	4A2	CrtE	11	2627	1954,100	4,244	500,000	3	11	17,31	+	2,63e-006
E7	Unknown	4A3	CrtE	17	2689	2032,000	4,519	500,000	5	12	17,56	+	2,24e-006
E8	Unknown	4A3	CrtE	17	2471	1835,750	4,064	500,000	5	12	17,76	+	1,97e-006
E9	Unknown	4A3	CrtE	17	2637	1978,786	4,323	500,000	6	12	17,60	+	2,18e-006
E10	Standard	ST-9	CrtE	---	2689	2054,834	4,387	500,000	3	24	29,42	+	1,00e-009
E11	Standard	ST-9	CrtE	---	2359	1736,180	3,823	500,000	7	24	29,62	+	1,00e-009
F2	Unknown	4A2	CrtE	6	2466	1805,619	4,326	500,000	7	14	19,56	+	6,16e-007
F3	Unknown	4A2	CrtE	6	2487	1765,726	4,050	500,000	7	14	19,61	+	5,98e-007
F4	Unknown	4B2	CrtE	12	2609	1908,222	4,430	500,000	7	15	20,20	+	4,08e-007
F5	Unknown	4B2	CrtE	12	2445	1849,385	4,289	500,000	2	14	20,25	+	3,97e-007
F6	Unknown	4B2	CrtE	12	2472	1855,711	4,148	500,000	3	14	20,21	+	4,05e-007
F7	Unknown	4B3	CrtE	18	2659	2031,409	4,268	500,000	2	13	19,34	+	7,10e-007
F8	Unknown	4B3	CrtE	18	2544	1927,433	4,364	500,000	5	13	19,47	+	6,53e-007
F9	Unknown	4B3	CrtE	18	2697	2050,750	4,748	500,000	7	14	19,38	+	6,95e-007
F10	Standard	ST-10	CrtE	---	2274	1674,531	3,861	500,000	7	27	33,48	+	1,00e-010
F11	Standard	ST-10	CrtE	---	2057	1470,949	3,540	500,000	7	27	33,00	+	1,00e-010
G1	No RT	2A1	CrtE	---	1900	1309,536	3,276	500,000	2	24	30,32	+	6,03e-010
G2	No RT	3A1	CrtE	---	1936	1318,758	3,298	500,000	7	25	31,34	+	3,11e-010
G3	No RT	4A1	CrtE	---	2317	1658,708	3,701	500,000	7	23	28,72	+	1,69e-009
G4	No RT	2A2	CrtE	---	2163	1523,440	3,428	500,000	2	25	31,32	+	3,17e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06

Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt

Run Date: 07 Mar 2024 19:36:40

Tabular Results (6 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
1,79e-006	5,28e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,79e-006	5,28e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,33e-006	2,62e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,33e-006	2,62e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,33e-006	2,62e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,13e-006	1,44e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,13e-006	1,44e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,13e-006	1,44e-007	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-009	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-009	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
6,07e-007	1,30e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
6,07e-007	1,30e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
4,03e-007	6,08e-009	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
4,03e-007	6,08e-009	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
4,03e-007	6,08e-009	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
6,86e-007	2,95e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
6,86e-007	2,95e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
6,86e-007	2,95e-008	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-010	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,00e-010	0,00e+000	0,998	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
6,03e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,11e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,69e-009	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,17e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 19:36:40

Tabular Results (7 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
G5	No RT	3A2	CrtE	---	2216	1583,459	3,551	500,000	2	24	30,77	+	4,49e-010
G6	No RT	4A2	CrtE	---	2464	1815,282	3,874	500,000	3	23	29,07	+	1,35e-009
G7	No RT	2A3	CrtE	---	2077	1411,024	3,307	500,000	7	27	32,19	+	1,81e-010
G8	No RT	3A3	CrtE	---	2166	1522,973	3,482	500,000	2	25	30,73	+	4,62e-010
G9	No RT	4A3	CrtE	---	2452	1780,617	3,772	500,000	2	24	29,17	+	1,26e-009
H1	No RT	2B1	CrtE	---	1954	1337,553	3,262	500,000	7	26	32,81	+	1,21e-010
H2	No RT	3B1	CrtE	---	1923	1322,556	3,276	500,000	7	26	32,11	+	1,90e-010
H3	No RT	4B1	CrtE	---	2160	1528,274	3,412	500,000	7	25	31,84	+	2,26e-010
H4	No RT	2B2	CrtE	---	2156	1524,182	3,411	500,000	7	26	32,30	+	1,68e-010
H5	No RT	3B2	CrtE	---	2191	1548,635	3,418	500,000	2	25	31,37	+	3,07e-010
H6	No RT	4B2	CrtE	---	2143	1493,342	3,287	500,000	3	25	31,17	+	3,47e-010
H7	No RT	2B3	CrtE	---	1820	1209,935	3,028	500,000	7	28	34,57	+	3,88e-011
H8	No RT	3B3	CrtE	---	1839	1218,786	2,952	500,000	2	28	34,76	+	3,44e-011
H9	No RT	4B3	CrtE	---	1924	1301,120	3,144	500,000	2	26	32,84	+	1,19e-010
H10	NTC	NTC	CrtE	---	687	80,311	1,149	500,000	2	31	No Cq	-	No Cq
H11	NTC	NTC	CrtE	---	598	6,257	1,026	500,000	7	40	No Cq	-	No Cq
H12	NTC	NTC	CrtE	---	584	2,529	1,019	500,000	4	40	No Cq	-	No Cq

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06

Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt

Run Date: 07 Mar 2024 19:36:40

Tabular Results (8 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
4,49e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,35e-009	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,81e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
4,62e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,26e-009	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,21e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,90e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
2,26e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,68e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,07e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,47e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,88e-011	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
3,44e-011	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
1,19e-010	N/A	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	81,00
No Cq	No Cq	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	74,00
No Cq	No Cq	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	77,50
No Cq	No Cq	No Cq for CrtE Standards	No Cq for CrtE Standards	No Cq for CrtE Standards	9	Off	66,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-d-crte-24-03-06

Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt

Run Date: 07 Mar 2024 19:36:40

Experiment Notes

< no experiment notes >