

# bcar-e-crti-24-03-07 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 12:36:17

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 08 Mar 2024 10:12:41

Elapsed Time: 1 : 48 : 58

Report Generated: 07 Mar 2024

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### Plate Setup

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	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	Standard S
F	Unknown 6	Unknown 6	Unknown 6	Unknown 12	Unknown 12	Unknown 12	Unknown 18	Unknown 18	Unknown 18	Standard S	Standard	Standard
G	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	Standard	Standard	Standard
H	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	No RT S	NTC	NTC	NTC

gets: | CrtI

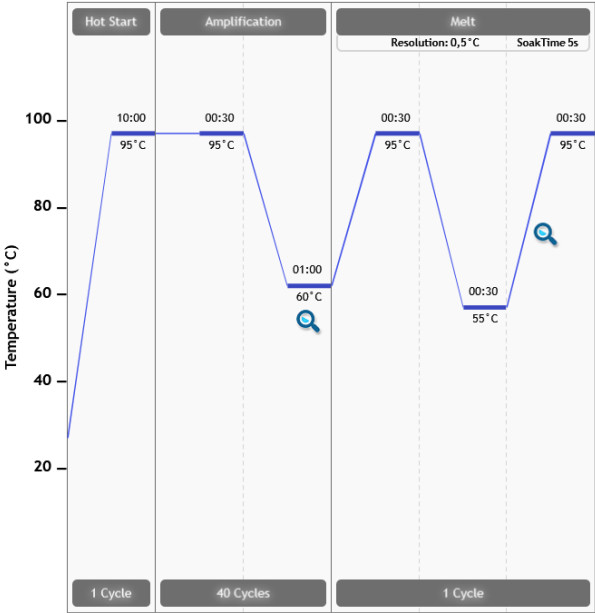
Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

Thermal Profile

Estimated Runtime: N/A

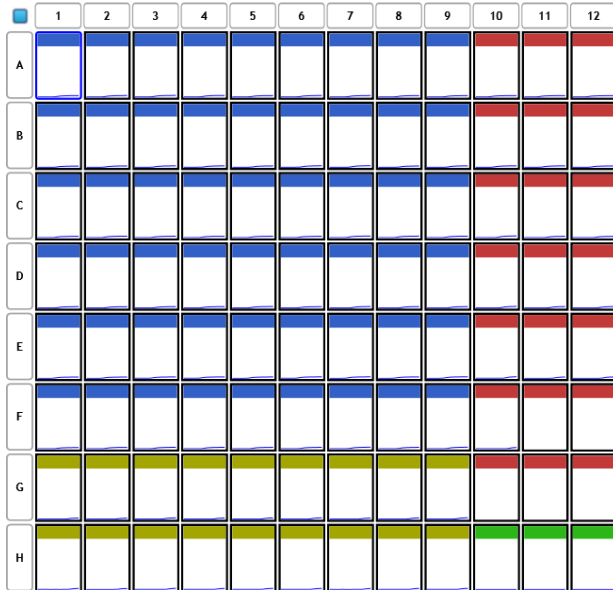
Total Data Collection Points: 121/2700



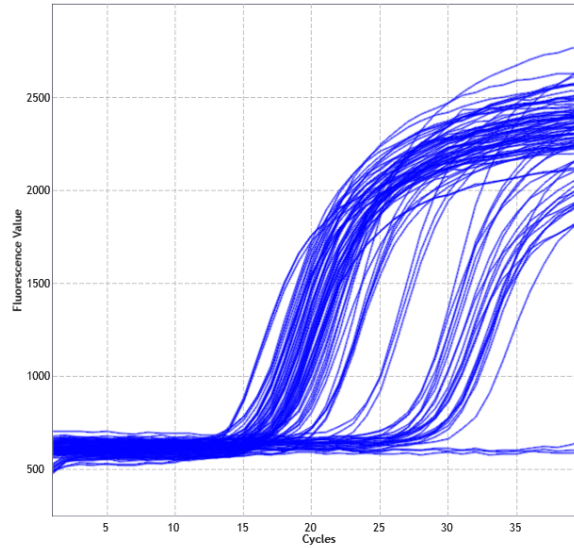
Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### Raw Data Plots



### Amplification Data



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### Analysis Criteria

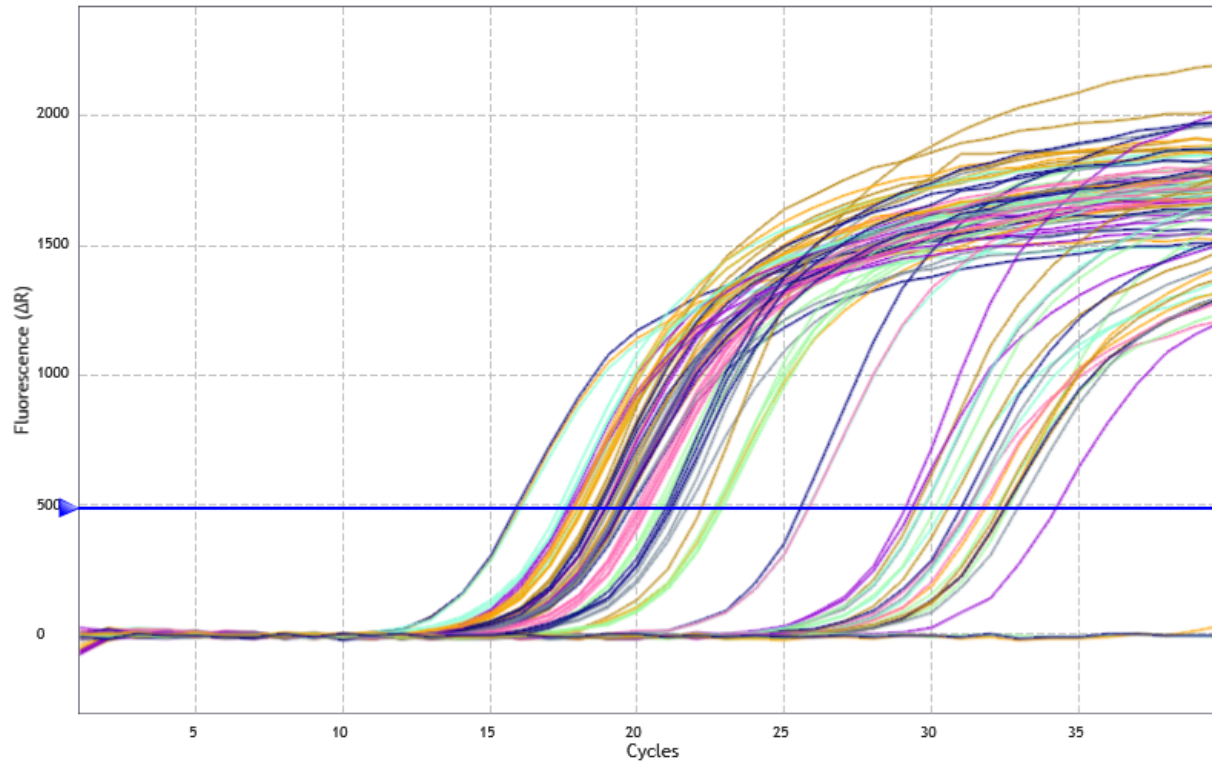
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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 5
F	Unknown 6	Unknown 6	Unknown 6	Unknown 12	Unknown 12	Unknown 12	Unknown 18	Unknown 18	Unknown 18	Standard 5	Standard	Standard
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: Crti

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### Amplification Plots

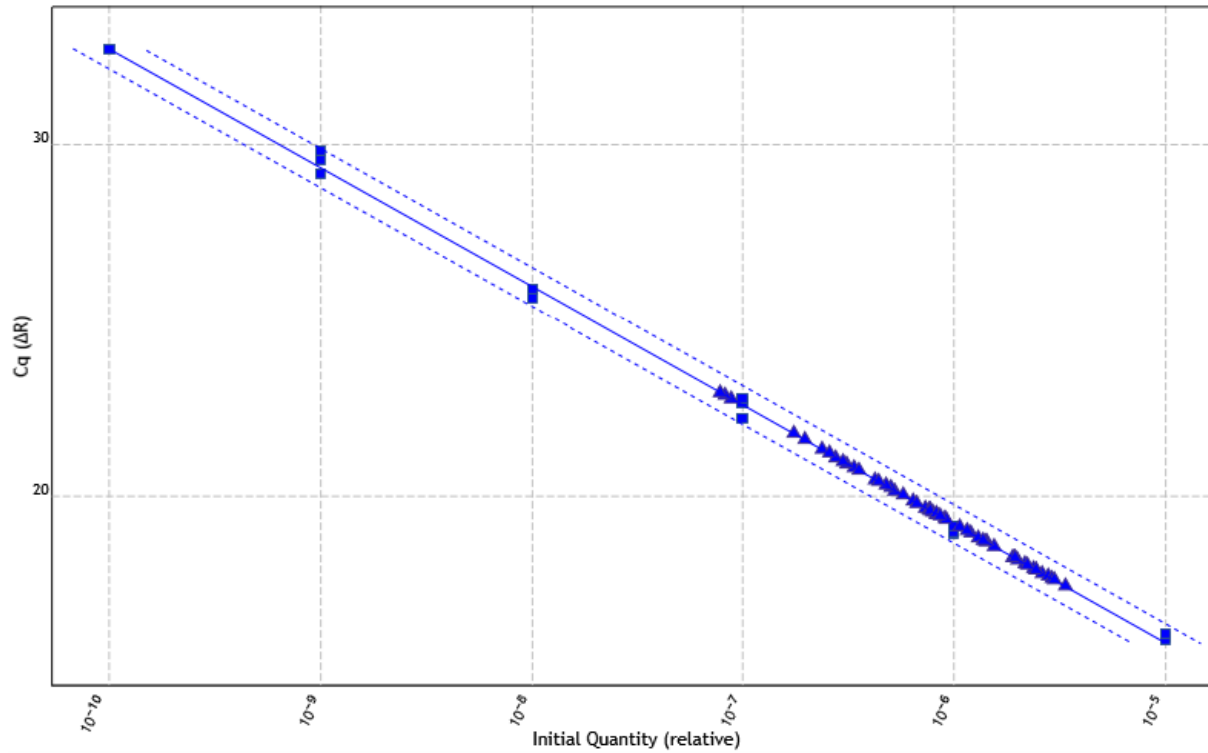


Threshold settings based on background: Start cycle = 5, End cycle = 9,  
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,  
Crosstalk Correction: -

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
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### Standard Curve Plots

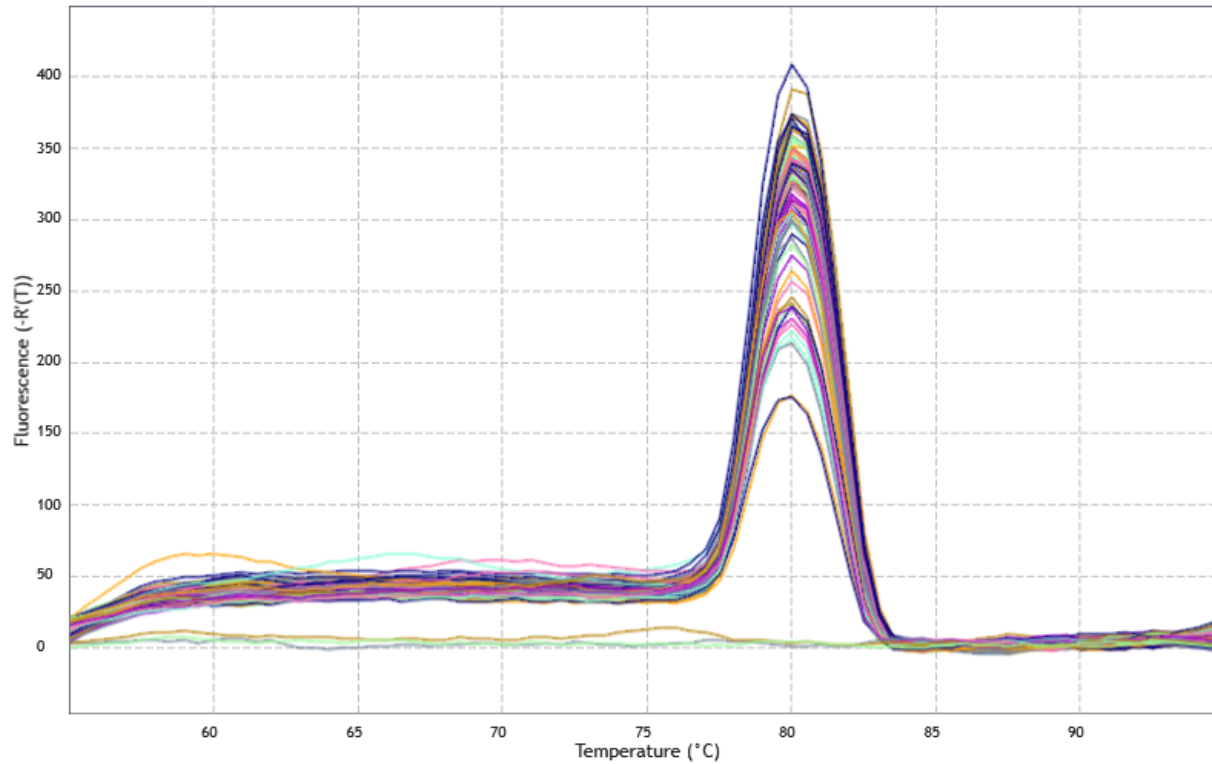


Confidence Level = 95

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### Melt Raw Derivative Curve



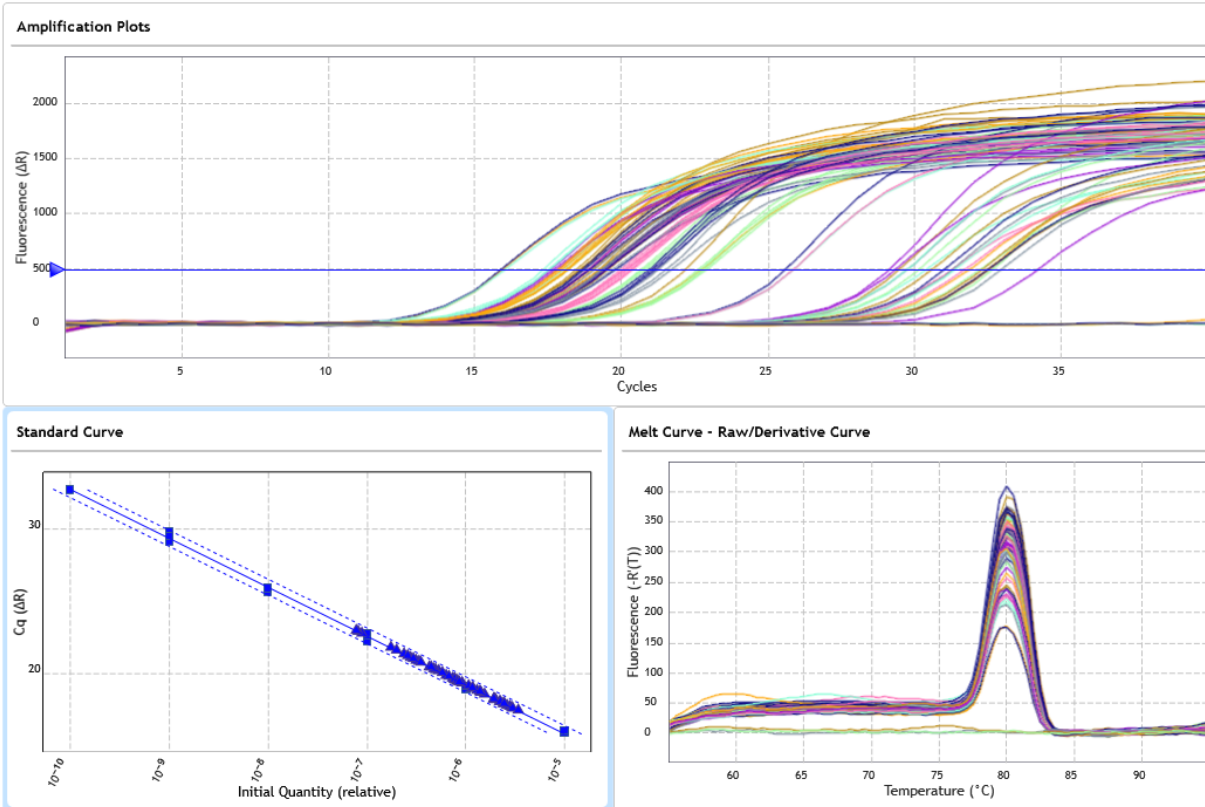
Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,  
Product melting temperature : Max number = 4, Min peak height = Off



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
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Run Date: 08 Mar 2024 10:12:41

### Graphical Displays



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

Tabular Results (1 of 8)

Target	Dye	Threshold	R <sup>2</sup>	Slope	Efficiency
Crtl	SYBR	500	0,998	-3,379	97,68

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	Crtl	1	2264	1667,091	4,232	500,000	3	13	19,34	+	9,06e-007
A2	Unknown	2A1	Crtl	1	2312	1746,618	4,463	500,000	3	13	19,11	+	1,06e-006
A3	Unknown	2A1	Crtl	1	2466	1892,800	4,742	500,000	3	13	18,93	+	1,19e-006
A4	Unknown	2A2	Crtl	7	2443	1888,709	4,800	500,000	3	13	19,32	+	9,14e-007
A5	Unknown	2A2	Crtl	7	2287	1663,857	4,630	500,000	7	14	19,65	+	7,32e-007
A6	Unknown	2A2	Crtl	7	2359	1712,357	4,804	500,000	7	14	19,59	+	7,60e-007
A7	Unknown	2A3	Crtl	13	2313	1727,455	4,789	500,000	4	14	19,47	+	8,25e-007
A8	Unknown	2A3	Crtl	13	2259	1681,944	4,554	500,000	5	13	19,54	+	7,87e-007
A9	Unknown	2A3	Crtl	13	2223	1630,272	4,210	500,000	5	13	19,58	+	7,66e-007
A10	Standard	ST-5	Crtl	---	2247	1524,700	4,397	500,000	7	10	15,99	+	1,00e-005
A11	Standard	ST-5	Crtl	---	2243	1560,200	4,550	500,000	6	10	15,92	+	1,00e-005
A12	Standard	ST-5	Crtl	---	2211	1494,200	4,440	500,000	7	10	16,08	+	1,00e-005
B1	Unknown	2B1	Crtl	2	2116	1511,318	3,630	500,000	2	13	19,86	+	6,35e-007
B2	Unknown	2B1	Crtl	2	2315	1696,106	3,904	500,000	2	13	19,57	+	7,72e-007
B3	Unknown	2B1	Crtl	2	2412	1758,393	3,954	500,000	6	13	19,47	+	8,25e-007
B4	Unknown	2B2	Crtl	8	2412	1732,110	3,757	500,000	3	15	20,80	+	3,33e-007
B5	Unknown	2B2	Crtl	8	2344	1654,478	3,843	500,000	7	15	20,91	+	3,10e-007
B6	Unknown	2B2	Crtl	8	2527	1816,906	4,109	500,000	7	15	20,72	+	3,52e-007
B7	Unknown	2B3	Crtl	14	2588	1965,927	4,357	500,000	2	15	21,31	+	2,36e-007
B8	Unknown	2B3	Crtl	14	2233	1618,013	3,778	500,000	2	15	21,76	+	1,74e-007
B9	Unknown	2B3	Crtl	14	2458	1815,664	4,063	500,000	3	16	21,58	+	1,97e-007

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07

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

Run Date: 08 Mar 2024 10:12:41

Tabular Results (2 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
1,05e-006	1,43e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,05e-006	1,43e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,05e-006	1,43e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
8,02e-007	9,79e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
8,02e-007	9,79e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
8,02e-007	9,79e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,92e-007	2,98e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,92e-007	2,98e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,92e-007	2,98e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-005	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-005	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-005	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,44e-007	9,80e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,44e-007	9,80e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,44e-007	9,80e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,32e-007	2,10e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,32e-007	2,10e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,32e-007	2,10e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,02e-007	3,15e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,02e-007	3,15e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,02e-007	3,15e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-006	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-006	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-006	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### 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	CrtI	3	2313	1736,109	3,947	500,000	2	12	18,23	+	1,92e-006
C2	Unknown	3A1	CrtI	3	2490	1853,964	4,129	500,000	6	12	18,06	+	2,17e-006
C3	Unknown	3A1	CrtI	3	2404	1753,643	3,903	500,000	6	12	18,22	+	1,94e-006
C4	Unknown	3A2	CrtI	9	2357	1684,250	3,928	500,000	6	12	18,25	+	1,90e-006
C5	Unknown	3A2	CrtI	9	2404	1758,048	4,040	500,000	7	12	18,18	+	1,99e-006
C6	Unknown	3A2	CrtI	9	2314	1723,867	4,038	500,000	7	12	18,23	+	1,93e-006
C7	Unknown	3A3	CrtI	15	2643	2018,071	4,398	500,000	7	13	18,56	+	1,54e-006
C8	Unknown	3A3	CrtI	15	2531	1903,571	4,170	500,000	7	13	18,68	+	1,42e-006
C9	Unknown	3A3	CrtI	15	2439	1855,571	4,205	500,000	7	13	18,70	+	1,40e-006
C10	Standard	ST-7	CrtI	---	2779	2198,856	4,601	500,000	2	17	22,21	+	1,00e-007
C11	Standard	ST-7	CrtI	---	2303	1738,737	3,923	500,000	2	17	22,67	+	1,00e-007
C12	Standard	ST-7	CrtI	---	2259	1703,395	3,888	500,000	2	16	22,77	+	1,00e-007
D1	Unknown	3B1	CrtI	4	2334	1736,055	3,734	500,000	2	14	20,14	+	5,24e-007
D2	Unknown	3B1	CrtI	4	2277	1683,912	3,637	500,000	2	14	20,21	+	4,99e-007
D3	Unknown	3B1	CrtI	4	2395	1788,703	3,850	500,000	2	14	20,01	+	5,73e-007
D4	Unknown	3B2	CrtI	10	2378	1780,485	3,835	500,000	3	12	18,80	+	1,31e-006
D5	Unknown	3B2	CrtI	10	2513	1843,714	3,902	500,000	7	13	18,73	+	1,37e-006
D6	Unknown	3B2	CrtI	10	2315	1652,500	3,770	500,000	7	13	18,99	+	1,15e-006
D7	Unknown	3B3	CrtI	16	2506	1892,446	3,922	500,000	2	17	22,76	+	8,76e-008
D8	Unknown	3B3	CrtI	16	2409	1791,549	3,718	500,000	2	17	22,87	+	8,16e-008
D9	Unknown	3B3	CrtI	16	2369	1735,988	3,573	500,000	3	17	22,94	+	7,79e-008
D10	Standard	ST-8	CrtI	---	2619	1980,595	3,903	500,000	3	20	25,64	+	1,00e-008
D11	Standard	ST-8	CrtI	---	2432	1767,435	3,440	500,000	2	20	25,88	+	1,00e-008
D12	Standard	ST-8	CrtI	---	2403	1804,674	3,839	500,000	2	20	25,89	+	1,00e-008

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07

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

Run Date: 08 Mar 2024 10:12:41

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**Tabular Results (4 of 8)**

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	T <sub>m</sub> Product 1 (-R'(T))
2,01e-006	1,37e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,01e-006	1,37e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,01e-006	1,37e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,94e-006	4,75e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,94e-006	4,75e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,94e-006	4,75e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,45e-006	7,36e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,45e-006	7,36e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,45e-006	7,36e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-007	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-007	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-007	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
5,32e-007	3,77e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
5,32e-007	3,77e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
5,32e-007	3,77e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,27e-006	1,14e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,27e-006	1,14e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,27e-006	1,14e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
8,24e-008	4,90e-009	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
8,24e-008	4,90e-009	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
8,24e-008	4,90e-009	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-008	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-008	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-008	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00

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Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### 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)
E1	Unknown	4A1	Crtl	5	2236	1601,624	3,764	500,000	3	12	17,78	+	2,61e-006
E2	Unknown	4A1	Crtl	5	2232	1544,714	3,695	500,000	6	12	17,89	+	2,43e-006
E3	Unknown	4A1	Crtl	5	2399	1679,333	3,679	500,000	6	11	17,70	+	2,77e-006
E4	Unknown	4A2	Crtl	11	2425	1702,067	3,697	500,000	6	11	17,63	+	2,90e-006
E5	Unknown	4A2	Crtl	11	2353	1722,700	3,826	500,000	7	11	17,59	+	2,98e-006
E6	Unknown	4A2	Crtl	11	2501	1849,700	3,926	500,000	7	11	17,41	+	3,36e-006
E7	Unknown	4A3	Crtl	17	2508	1856,371	4,085	500,000	7	12	17,92	+	2,38e-006
E8	Unknown	4A3	Crtl	17	2431	1766,410	3,828	500,000	7	12	18,03	+	2,21e-006
E9	Unknown	4A3	Crtl	17	2558	1902,381	4,022	500,000	7	12	17,88	+	2,45e-006
E10	Standard	ST-9	Crtl	---	2656	2016,155	4,086	500,000	2	23	29,15	+	1,00e-009
E11	Standard	ST-9	Crtl	---	2274	1658,403	3,553	500,000	2	24	29,79	+	1,00e-009
E12	Standard	ST-9	Crtl	---	2384	1774,923	3,870	500,000	2	23	29,54	+	1,00e-009
F1	Unknown	4A2	Crtl	6	2119	1546,424	3,750	500,000	2	13	19,79	+	6,66e-007
F2	Unknown	4A2	Crtl	6	2351	1721,702	3,938	500,000	6	13	19,48	+	8,21e-007
F3	Unknown	4A2	Crtl	6	2429	1784,283	3,868	500,000	5	13	19,41	+	8,61e-007
F4	Unknown	4B2	Crtl	12	2449	1821,846	4,015	500,000	3	15	20,29	+	4,74e-007
F5	Unknown	4B2	Crtl	12	2387	1694,789	4,066	500,000	7	15	20,45	+	4,23e-007
F6	Unknown	4B2	Crtl	12	2410	1736,571	3,944	500,000	7	14	20,39	+	4,41e-007
F7	Unknown	4B3	Crtl	18	2573	1872,344	3,983	500,000	7	15	21,09	+	2,75e-007
F8	Unknown	4B3	Crtl	18	2397	1783,519	3,923	500,000	2	15	21,19	+	2,56e-007
F9	Unknown	4B3	Crtl	18	2576	1974,848	4,223	500,000	2	15	20,98	+	2,95e-007
F10	Standard	ST-10	Crtl	---	2198	1585,385	3,517	500,000	3	27	32,70	+	1,00e-010
G1	No RT	2A1	Crtl	---	1950	1324,161	3,234	500,000	2	24	30,46	+	4,62e-010
G2	No RT	3A1	Crtl	---	1835	1217,682	2,979	500,000	2	24	31,32	+	2,57e-010

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07

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

Run Date: 08 Mar 2024 10:12:41

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**Tabular Results (6 of 8)**

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	T <sub>m</sub> Product 1 (-R'(T))
2,61e-006	1,69e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,61e-006	1,69e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,61e-006	1,69e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,08e-006	2,42e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,08e-006	2,42e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,08e-006	2,42e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,35e-006	1,22e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,35e-006	1,22e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,35e-006	1,22e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-009	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-009	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-009	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,83e-007	1,03e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,83e-007	1,03e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,83e-007	1,03e-007	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
4,46e-007	2,59e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
4,46e-007	2,59e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
4,46e-007	2,59e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,75e-007	1,98e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,75e-007	1,98e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,75e-007	1,98e-008	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,00e-010	0,00e+000	0,998	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
4,62e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,57e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 08 Mar 2024 10:12:41

### Tabular Results (7 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	$\Delta R$ Last	RLast/ RFirst	Threshold ( $\Delta R$ )	Baseline Start Cycle	Baseline End Cycle	Cq ( $\Delta R$ )	Final Call ( $\Delta R$ )	Quantity (relative)
G3	No RT	4A1	Ctrl	---	2186	1508,916	3,248	500,000	4	23	29,40	+	9,52e-010
G4	No RT	2A2	Ctrl	---	2084	1433,780	3,206	500,000	2	25	31,36	+	2,51e-010
G5	No RT	3A2	Ctrl	---	2142	1486,171	3,316	500,000	2	25	30,65	+	4,07e-010
G6	No RT	4A2	Ctrl	---	2307	1644,534	3,538	500,000	3	24	30,20	+	5,54e-010
G7	No RT	2A3	Ctrl	---	2006	1330,480	3,007	500,000	2	26	31,90	+	1,73e-010
G8	No RT	3A3	Ctrl	---	2179	1524,886	3,347	500,000	2	25	31,03	+	3,14e-010
G9	No RT	4A3	Ctrl	---	2346	1666,232	3,435	500,000	3	24	29,79	+	7,29e-010
H1	No RT	2B1	Ctrl	---	1934	1299,016	3,036	500,000	2	27	32,61	+	1,07e-010
H2	No RT	3B1	Ctrl	---	1851	1243,920	2,995	500,000	2	26	32,27	+	1,35e-010
H3	No RT	4B1	Ctrl	---	2064	1421,120	3,161	500,000	2	26	32,55	+	1,11e-010
H4	No RT	2B2	Ctrl	---	1949	1307,700	2,994	500,000	2	26	32,59	+	1,08e-010
H5	No RT	3B2	Ctrl	---	2035	1376,591	3,097	500,000	3	25	31,45	+	2,36e-010
H6	No RT	4B2	Ctrl	---	1953	1290,409	2,977	500,000	3	25	31,77	+	1,89e-010
H7	No RT	2B3	Ctrl	---	1856	1217,710	2,932	500,000	7	28	34,28	+	3,43e-011
H8	No RT	3B3	Ctrl	---	1955	1310,535	3,031	500,000	2	27	32,99	+	8,25e-011
H9	No RT	4B3	Ctrl	---	2023	1381,373	3,122	500,000	2	27	32,37	+	1,26e-010
H10	NTC	NTC	Ctrl	---	599	-3,497	0,980	500,000	7	40	No Cq	-	No Cq
H11	NTC	NTC	Ctrl	---	661	41,575	1,085	500,000	7	40	No Cq	-	No Cq
H12	NTC	NTC	Ctrl	---	594	2,528	1,015	500,000	2	40	No Cq	-	No Cq



Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07

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

Run Date: 08 Mar 2024 10:12:41

Tabular Results (8 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	T <sub>m</sub> Product 1 (-R'(T))
9,52e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,51e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
4,07e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
5,54e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,73e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,14e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
7,29e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,07e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,35e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,11e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,08e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
2,36e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,89e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
3,43e-011	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
8,25e-011	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
1,26e-010	N/A	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	80,00
No Cq	No Cq	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	83,50
No Cq	No Cq	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	75,50
No Cq	No Cq	No Cq for CrtI Standards	No Cq for CrtI Standards	No Cq for CrtI Standards	9	Off	58,50

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-e-crti-24-03-07

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

Run Date: 08 Mar 2024 10:12:41

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### Experiment Notes

< no experiment notes >