

# bcar-o-erg8-24-03-11 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: 12 Mar 2024 15:41:56

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 12 Mar 2024 13:52:50

Elapsed Time: 1 : 48 : 53

Report Generated: 11 Mar 2024

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

### 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 S	Standard S
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 S	Standard S	Standard S
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: | ● ERG8

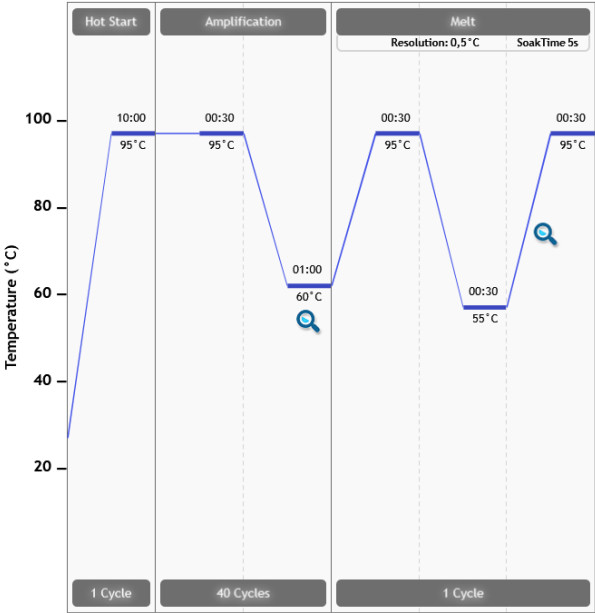
Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

Thermal Profile

Estimated Runtime: N/A

Total Data Collection Points: 121/2700



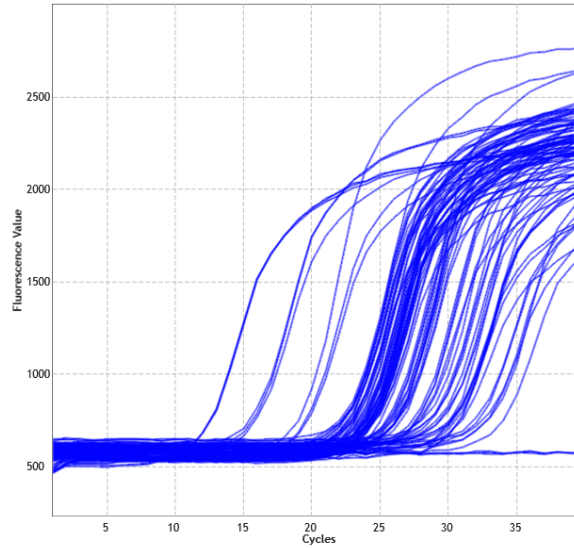
Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

### Raw Data Plots



### Amplification Data



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

### Analysis Criteria

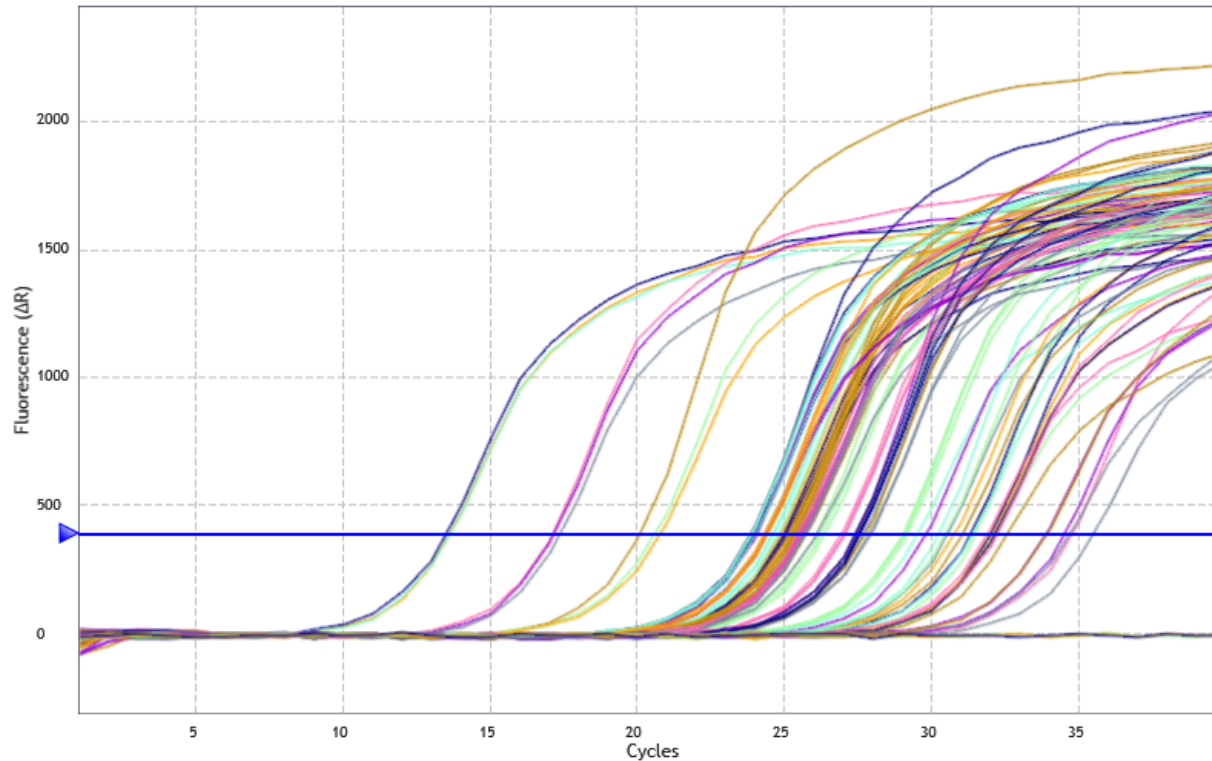
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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 5	Standard 5
G	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	Standard 5	Standard 5	Standard 5
H	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	No RT 5	NTC 5	NTC 5	NTC 5

gets:  ERG8

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

### Amplification Plots

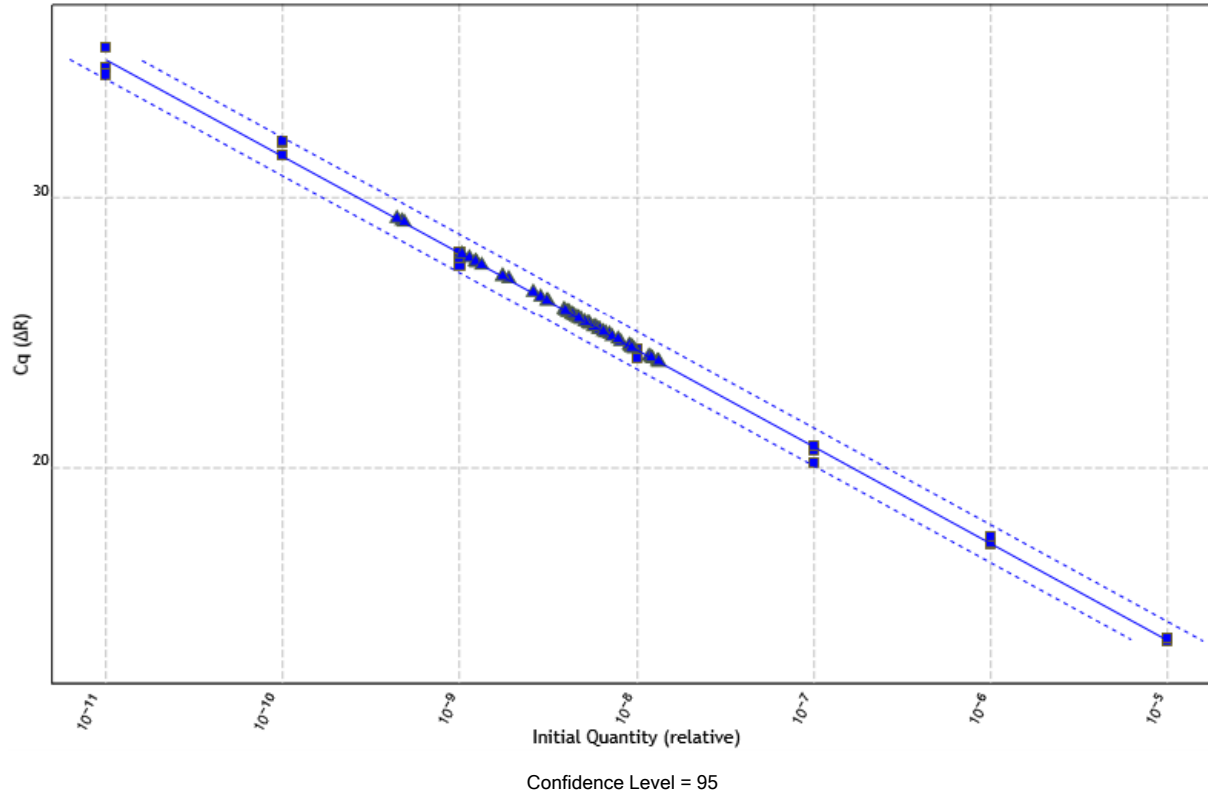


Threshold settings based on background: Start cycle = 5, End cycle = 9,  
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,  
Crosstalk Correction: -

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
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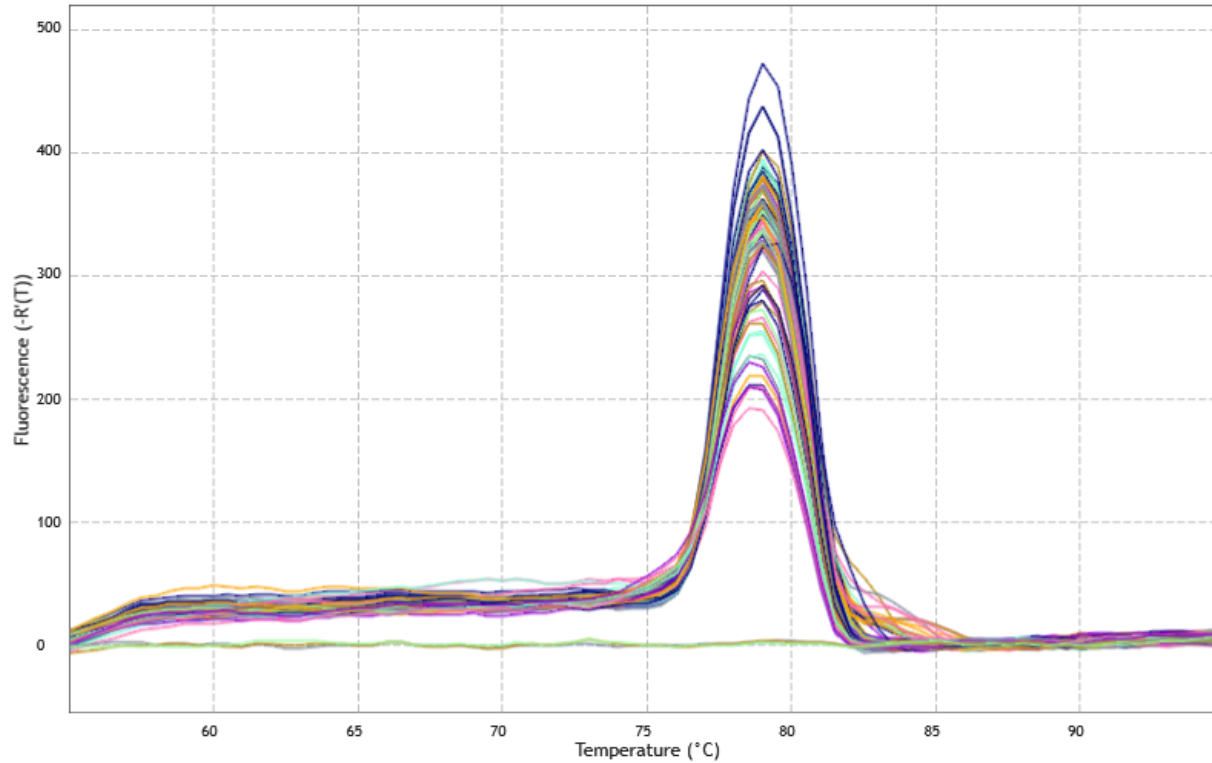
### Standard Curve Plots



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

### Melt Raw Derivative Curve



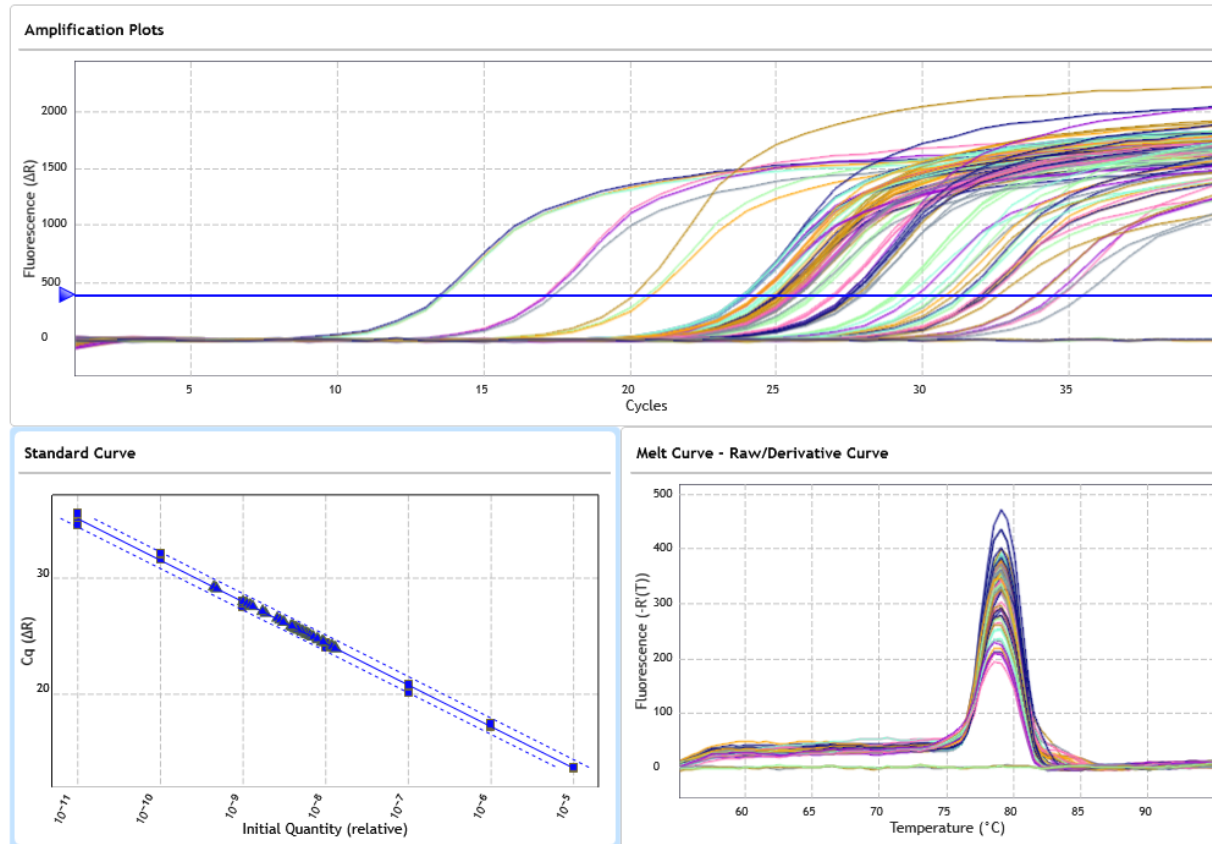
Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 55,1,  
Product melting temperature : Max number = 4, Min peak height = Off



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

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### Graphical Displays



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

Tabular Results (1 of 8)

Target	Dye	Threshold	R <sup>2</sup>	Slope	Efficiency
ERG8	SYBR	400	0,998	-3,586	90,04

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	ERG8	1	2219	1641,433	4,334	400,000	6	20	25,12	+	6,06e-009
A2	Unknown	2A1	ERG8	1	2266	1708,240	4,569	400,000	2	20	24,98	+	6,64e-009
A3	Unknown	2A1	ERG8	1	2343	1774,261	4,658	400,000	3	20	24,90	+	6,96e-009
A4	Unknown	2A2	ERG8	7	2366	1804,582	4,780	400,000	3	21	25,51	+	4,70e-009
A5	Unknown	2A2	ERG8	7	2119	1556,200	4,396	400,000	6	21	25,82	+	3,86e-009
A6	Unknown	2A2	ERG8	7	2310	1741,974	4,813	400,000	4	21	25,57	+	4,52e-009
A7	Unknown	2A3	ERG8	13	2216	1670,537	4,725	400,000	5	21	25,73	+	4,09e-009
A8	Unknown	2A3	ERG8	13	2199	1646,816	4,649	400,000	6	21	25,67	+	4,26e-009
A9	Unknown	2A3	ERG8	13	2175	1618,835	4,457	400,000	6	20	25,62	+	4,38e-009
A10	Standard	ST-5	ERG8	---	2218	1604,857	4,650	400,000	2	8	13,69	+	1,00e-005
A11	Standard	ST-5	ERG8	---	2185	1630,464	4,619	400,000	2	8	13,57	+	1,00e-005
A12	Standard	ST-5	ERG8	---	2202	1539,600	4,531	400,000	5	8	13,71	+	1,00e-005
B1	Unknown	2B1	ERG8	2	2058	1474,228	3,776	400,000	2	20	25,18	+	5,83e-009
B2	Unknown	2B1	ERG8	2	2135	1543,154	3,759	400,000	2	20	25,10	+	6,13e-009
B3	Unknown	2B1	ERG8	2	2238	1638,305	3,885	400,000	2	20	25,02	+	6,44e-009
B4	Unknown	2B2	ERG8	8	2278	1631,965	3,662	400,000	6	21	26,45	+	2,58e-009
B5	Unknown	2B2	ERG8	8	2204	1596,284	3,742	400,000	3	21	26,30	+	2,83e-009
B6	Unknown	2B2	ERG8	8	2419	1802,579	4,038	400,000	4	21	26,14	+	3,14e-009
B7	Unknown	2B3	ERG8	14	2485	1892,533	4,292	400,000	4	23	27,60	+	1,23e-009
B8	Unknown	2B3	ERG8	14	2168	1588,056	3,837	400,000	5	23	27,90	+	1,02e-009
B9	Unknown	2B3	ERG8	14	2388	1767,519	4,000	400,000	5	23	27,73	+	1,14e-009

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11

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

Run Date: 12 Mar 2024 13:52:50

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))
6,55e-009	4,57e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,55e-009	4,57e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,55e-009	4,57e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,36e-009	4,44e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,36e-009	4,44e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,36e-009	4,44e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,24e-009	1,45e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,24e-009	1,45e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,24e-009	1,45e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-005	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-005	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-005	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,13e-009	3,06e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,13e-009	3,06e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,13e-009	3,06e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
2,85e-009	2,82e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
2,85e-009	2,82e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
2,85e-009	2,82e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,13e-009	1,06e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,13e-009	1,06e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,13e-009	1,06e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-006	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-006	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-006	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11

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

Run Date: 12 Mar 2024 13:52:50

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	ERG8	3	2311	1767,821	4,320	400,000	2	20	24,85	+	7,19e-009
C2	Unknown	3A1	ERG8	3	2365	1812,142	4,254	400,000	2	20	24,67	+	8,09e-009
C3	Unknown	3A1	ERG8	3	2356	1773,434	4,076	400,000	5	20	24,72	+	7,84e-009
C4	Unknown	3A2	ERG8	9	2259	1695,025	4,020	400,000	2	20	25,30	+	5,40e-009
C5	Unknown	3A2	ERG8	9	2281	1740,036	4,125	400,000	6	20	25,21	+	5,70e-009
C6	Unknown	3A2	ERG8	9	2208	1688,889	4,112	400,000	2	20	25,33	+	5,28e-009
C7	Unknown	3A3	ERG8	15	2465	1921,825	4,355	400,000	2	20	25,32	+	5,31e-009
C8	Unknown	3A3	ERG8	15	2409	1828,971	4,097	400,000	2	21	25,47	+	4,85e-009
C9	Unknown	3A3	ERG8	15	2455	1910,144	4,447	400,000	2	20	25,39	+	5,08e-009
C10	Standard	ST-7	ERG8	---	2779	2223,141	5,025	400,000	2	15	20,14	+	1,00e-007
C11	Standard	ST-7	ERG8	---	2267	1726,154	4,198	400,000	4	15	20,66	+	1,00e-007
C12	Standard	ST-7	ERG8	---	2168	1641,105	4,000	400,000	2	15	20,82	+	1,00e-007
D1	Unknown	3B1	ERG8	4	2200	1653,888	4,097	400,000	2	20	25,74	+	4,08e-009
D2	Unknown	3B1	ERG8	4	2205	1629,157	3,821	400,000	2	21	25,65	+	4,32e-009
D3	Unknown	3B1	ERG8	4	2304	1699,626	3,827	400,000	4	21	25,53	+	4,64e-009
D4	Unknown	3B2	ERG8	10	2293	1696,945	3,893	400,000	6	19	24,06	+	1,20e-008
D5	Unknown	3B2	ERG8	10	2408	1817,154	3,980	400,000	6	18	23,89	+	1,33e-008
D6	Unknown	3B2	ERG8	10	2223	1666,353	3,807	400,000	2	18	24,03	+	1,22e-008
D7	Unknown	3B3	ERG8	16	2399	1826,024	4,216	400,000	2	24	29,11	+	4,67e-010
D8	Unknown	3B3	ERG8	16	2254	1665,456	3,757	400,000	5	24	29,20	+	4,40e-010
D9	Unknown	3B3	ERG8	16	2276	1676,838	3,762	400,000	5	24	29,05	+	4,85e-010
D10	Standard	ST-8	ERG8	---	2654	2044,561	4,387	400,000	2	19	24,01	+	1,00e-008
D11	Standard	ST-8	ERG8	---	2390	1738,545	3,683	400,000	2	19	24,41	+	1,00e-008
D12	Standard	ST-8	ERG8	---	2359	1776,444	4,067	400,000	2	19	24,42	+	1,00e-008

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Run Date: 12 Mar 2024 13:52:50

### Tabular Results (4 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))
7,71e-009	4,66e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
7,71e-009	4,66e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
7,71e-009	4,66e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
5,46e-009	2,12e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
5,46e-009	2,12e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
5,46e-009	2,12e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
5,08e-009	2,32e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
5,08e-009	2,32e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
5,08e-009	2,32e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-007	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-007	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-007	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,35e-009	2,84e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,35e-009	2,84e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,35e-009	2,84e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,25e-008	7,30e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,25e-008	7,30e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,25e-008	7,30e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,64e-010	2,24e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,64e-010	2,24e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,64e-010	2,24e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-008	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-008	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-008	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm

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Run Date: 12 Mar 2024 13:52:50

### 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	ERG8	5	2093	1527,077	3,840	400,000	2	19	24,49	+	9,09e-009
E2	Unknown	4A1	ERG8	5	2091	1519,344	3,754	400,000	4	19	24,45	+	9,30e-009
E3	Unknown	4A1	ERG8	5	2368	1731,600	3,777	400,000	5	19	24,10	+	1,16e-008
E4	Unknown	4A2	ERG8	11	2439	1798,846	3,847	400,000	6	18	23,93	+	1,30e-008
E5	Unknown	4A2	ERG8	11	2263	1677,462	3,829	400,000	6	18	24,06	+	1,20e-008
E6	Unknown	4A2	ERG8	11	2434	1833,657	3,939	400,000	3	18	23,91	+	1,31e-008
E7	Unknown	4A3	ERG8	17	2448	1878,233	4,272	400,000	5	19	24,39	+	9,69e-009
E8	Unknown	4A3	ERG8	17	2349	1753,033	3,896	400,000	5	19	24,50	+	8,99e-009
E9	Unknown	4A3	ERG8	17	2371	1787,110	4,138	400,000	6	19	24,44	+	9,36e-009
E10	Standard	ST-9	ERG8	---	2651	2038,691	4,325	400,000	6	22	27,47	+	1,00e-009
E11	Standard	ST-9	ERG8	---	2277	1677,757	3,776	400,000	2	22	27,97	+	1,00e-009
E12	Standard	ST-9	ERG8	---	2337	1748,407	4,093	400,000	5	22	27,78	+	1,00e-009
F1	Unknown	4A2	ERG8	6	2025	1479,749	3,887	400,000	7	20	26,16	+	3,10e-009
F2	Unknown	4A2	ERG8	6	2283	1696,429	4,121	400,000	4	21	25,74	+	4,05e-009
F3	Unknown	4A2	ERG8	6	2270	1650,397	3,815	400,000	5	21	25,80	+	3,91e-009
F4	Unknown	4B2	ERG8	12	2328	1720,583	3,973	400,000	6	22	26,95	+	1,87e-009
F5	Unknown	4B2	ERG8	12	2229	1640,583	3,931	400,000	6	22	27,05	+	1,75e-009
F6	Unknown	4B2	ERG8	12	2299	1704,472	3,877	400,000	3	22	27,07	+	1,73e-009
F7	Unknown	4B3	ERG8	18	2436	1812,417	3,929	400,000	4	23	27,58	+	1,25e-009
F8	Unknown	4B3	ERG8	18	2315	1724,567	4,012	400,000	6	23	27,61	+	1,22e-009
F9	Unknown	4B3	ERG8	18	2455	1889,779	4,392	400,000	6	22	27,49	+	1,33e-009
F10	Standard	ST-10	ERG8	---	2322	1731,227	4,095	400,000	3	27	31,56	+	1,00e-010
F11	Standard	ST-10	ERG8	---	1988	1419,682	3,563	400,000	4	27	32,04	+	1,00e-010
F12	Standard	ST-10	ERG8	---	2117	1541,632	3,856	400,000	5	27	32,07	+	1,00e-010

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11

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

Run Date: 12 Mar 2024 13:52:50

Tabular Results (6 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))
1,00e-008	1,41e-009	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-008	1,41e-009	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-008	1,41e-009	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,27e-008	6,31e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,27e-008	6,31e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,27e-008	6,31e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
9,35e-009	3,49e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
9,35e-009	3,49e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
9,35e-009	3,49e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-009	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-009	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-009	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
3,69e-009	5,17e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
3,69e-009	5,17e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
3,69e-009	5,17e-010	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,78e-009	7,54e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,78e-009	7,54e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,78e-009	7,54e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,27e-009	5,31e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,27e-009	5,31e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,27e-009	5,31e-011	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-010	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-010	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-010	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11

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

Run Date: 12 Mar 2024 13:52:50

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)
G1	No RT	2A1	ERG8	---	1994	1382,307	3,409	400,000	6	24	29,58	+	3,45e-010
G2	No RT	3A1	ERG8	---	1841	1241,348	3,136	400,000	2	27	31,94	+	7,58e-011
G3	No RT	4A1	ERG8	---	2129	1487,286	3,401	400,000	5	25	29,87	+	2,88e-010
G4	No RT	2A2	ERG8	---	2102	1472,552	3,363	400,000	5	25	30,62	+	1,77e-010
G5	No RT	3A2	ERG8	---	2103	1472,974	3,359	400,000	6	25	31,09	+	1,31e-010
G6	No RT	4A2	ERG8	---	2277	1645,478	3,603	400,000	3	25	30,55	+	1,86e-010
G7	No RT	2A3	ERG8	---	2225	1573,282	3,413	400,000	2	25	30,84	+	1,54e-010
G8	No RT	3A3	ERG8	---	2228	1603,390	3,565	400,000	5	25	31,39	+	1,08e-010
G9	No RT	4A3	ERG8	---	2384	1727,374	3,690	400,000	6	25	30,29	+	2,19e-010
G10	Standard	ST-11	ERG8	---	1984	1362,036	3,237	400,000	3	29	34,83	+	1,00e-011
G11	Standard	ST-11	ERG8	---	1844	1236,537	3,068	400,000	2	29	34,56	+	1,00e-011
G12	Standard	ST-11	ERG8	---	1660	1067,807	2,842	400,000	2	30	35,56	+	1,00e-011
H1	No RT	2B1	ERG8	---	1705	1099,975	2,905	400,000	6	27	32,66	+	4,77e-011
H2	No RT	3B1	ERG8	---	1834	1224,740	3,130	400,000	4	27	32,22	+	6,36e-011
H3	No RT	4B1	ERG8	---	2014	1379,695	3,238	400,000	4	27	32,19	+	6,48e-011
H4	No RT	2B2	ERG8	---	2016	1369,820	3,231	400,000	6	27	32,24	+	6,27e-011
H5	No RT	3B2	ERG8	---	2054	1419,780	3,255	400,000	2	26	31,46	+	1,03e-010
H6	No RT	4B2	ERG8	---	2044	1411,180	3,204	400,000	3	26	32,31	+	6,00e-011
H7	No RT	2B3	ERG8	---	1853	1241,039	3,053	400,000	2	29	33,91	+	2,15e-011
H8	No RT	3B3	ERG8	---	1747	1107,509	2,813	400,000	5	29	34,75	+	1,25e-011
H9	No RT	4B3	ERG8	---	1913	1278,686	3,081	400,000	2	29	33,95	+	2,09e-011
H10	NTC	NTC	ERG8	---	584	3,242	1,026	400,000	2	40	No Cq	-	No Cq
H11	NTC	NTC	ERG8	---	578	-3,239	1,016	400,000	4	40	No Cq	-	No Cq
H12	NTC	NTC	ERG8	---	577	-1,031	1,023	400,000	2	40	No Cq	-	No Cq



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 12 Mar 2024 13:52:50

### Tabular Results (8 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))
3,45e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
7,58e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
2,88e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,77e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,31e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,86e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,54e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,08e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
2,19e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-011	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-011	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,00e-011	0,00e+000	0,998	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
4,77e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,36e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,48e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,27e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,03e-010	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
6,00e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
2,15e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
1,25e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
2,09e-011	N/A	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
No Cq	No Cq	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
No Cq	No Cq	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm
No Cq	No Cq	No Cq for ERG8 Standards	No Cq for ERG8 Standards	No Cq for ERG8 Standards	9	Off	No Tm

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-o-erg8-24-03-11

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

Run Date: 12 Mar 2024 13:52:50

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### Experiment Notes

< no experiment notes >