

bcar-s-erg10-24-03-13 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: 14 Mar 2024 12:37:16

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 14 Mar 2024 10:47:59

Elapsed Time: 1 : 49 : 3

Report Generated: 13 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

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	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: | ● ERG10

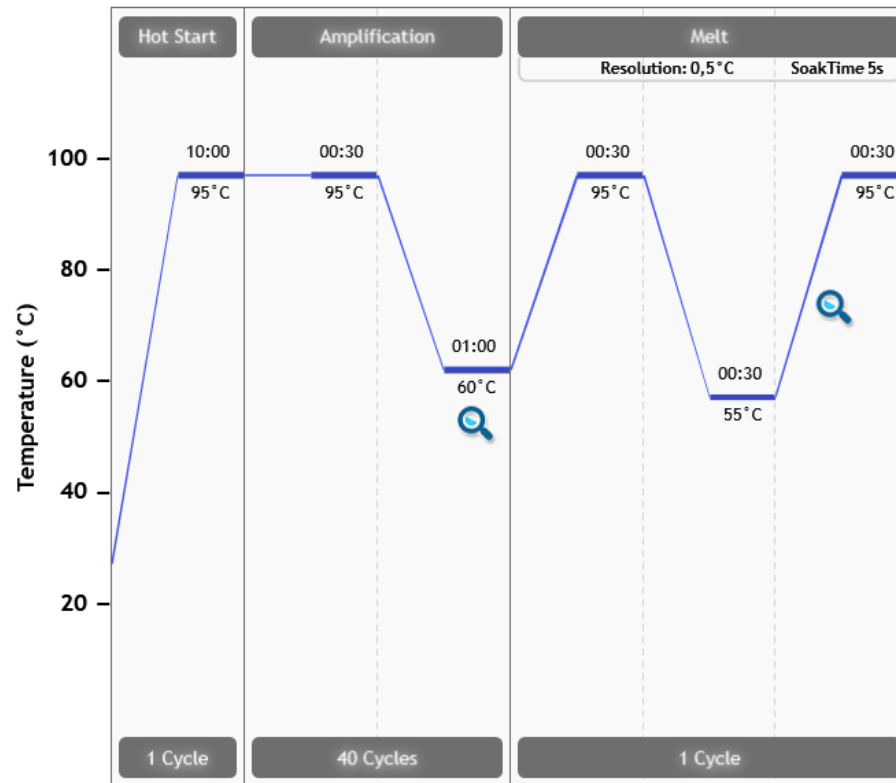
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

Thermal Profile

Estimated Runtime: N/A

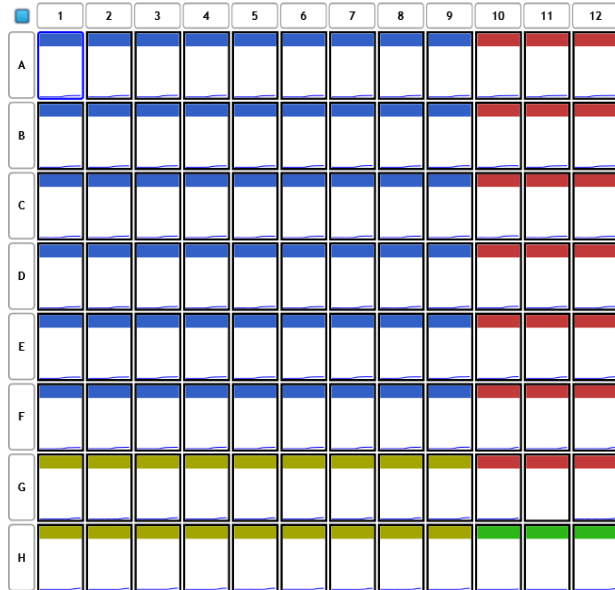
Total Data Collection Points: 121/2700



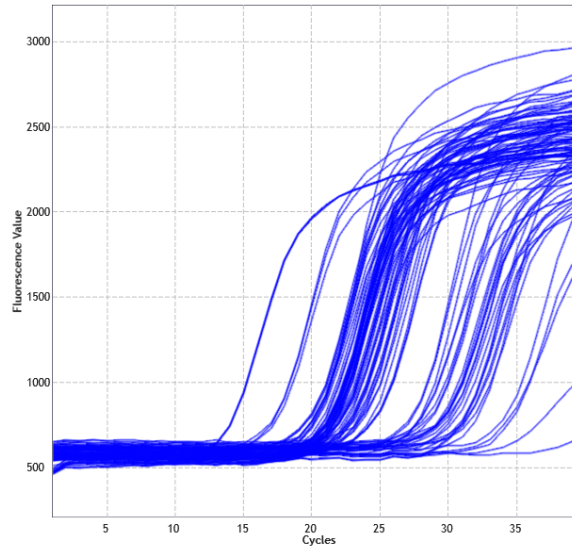
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

Analysis Criteria

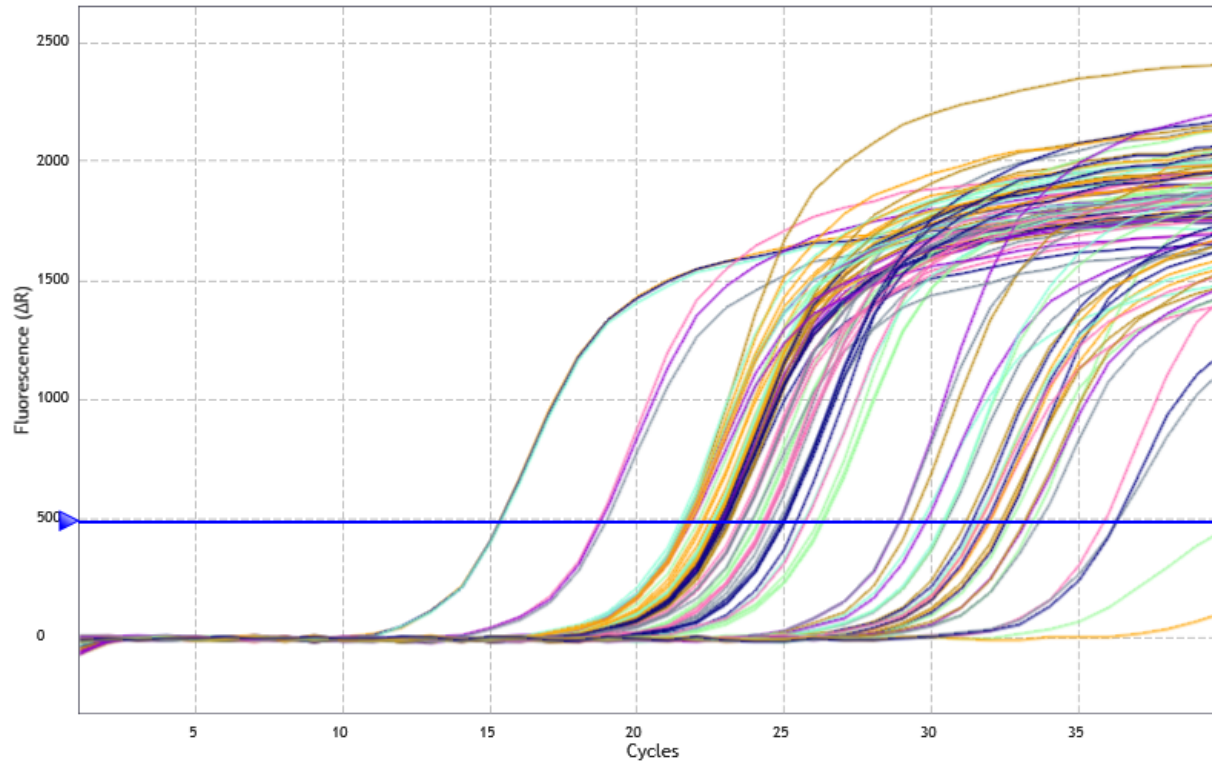
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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:  ERG10

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

Amplification Plots

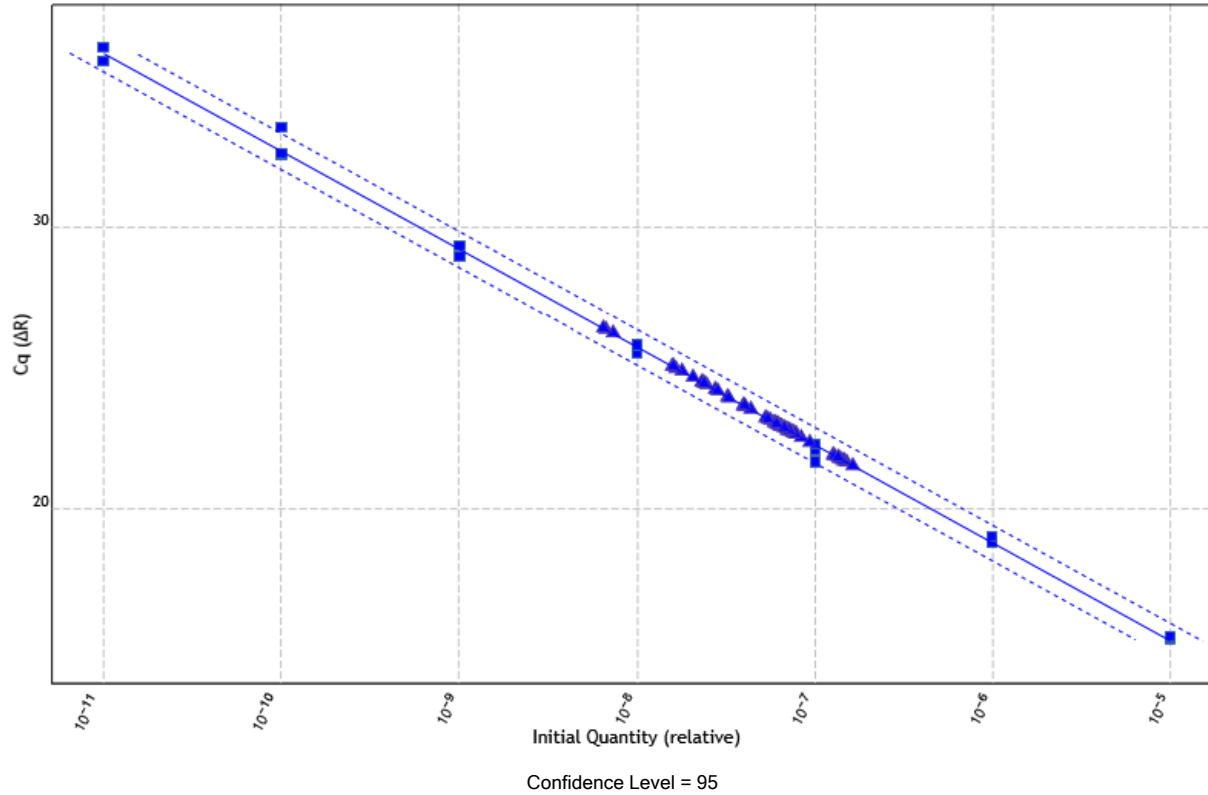


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

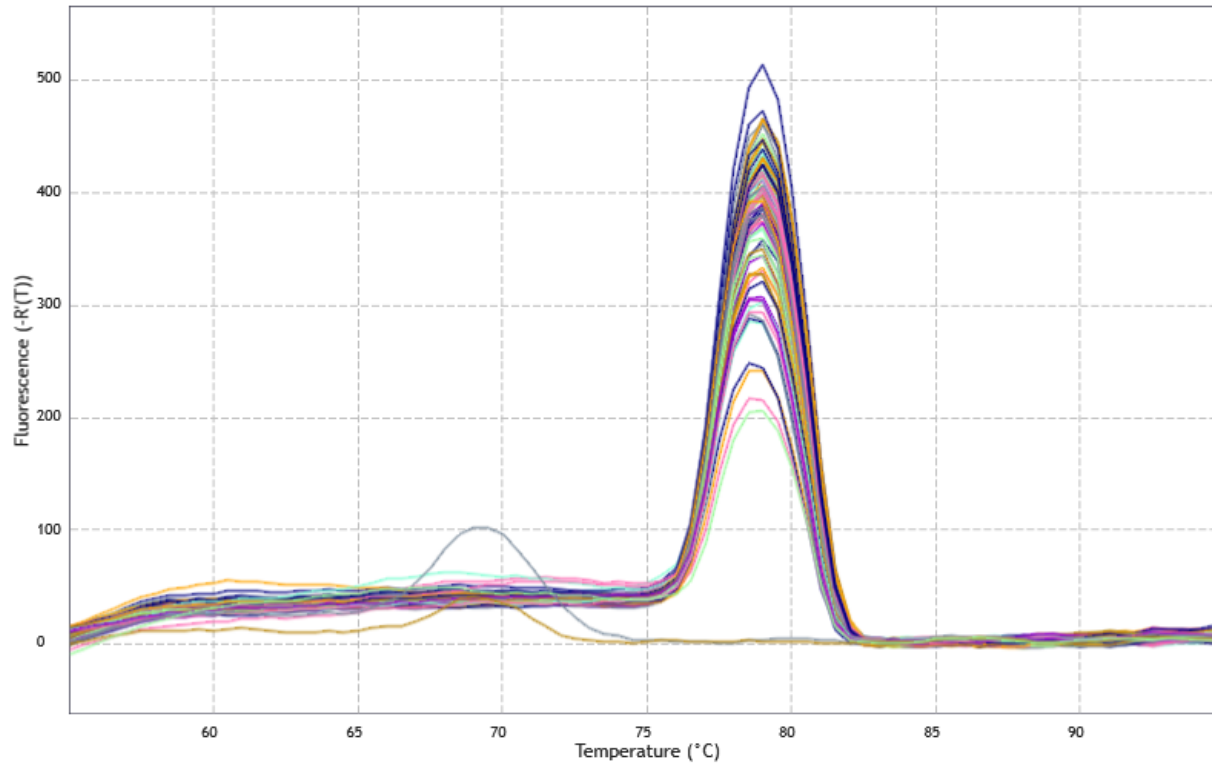
Standard Curve Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
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Run Date: 14 Mar 2024 10:47:59

Melt Raw Derivative Curve

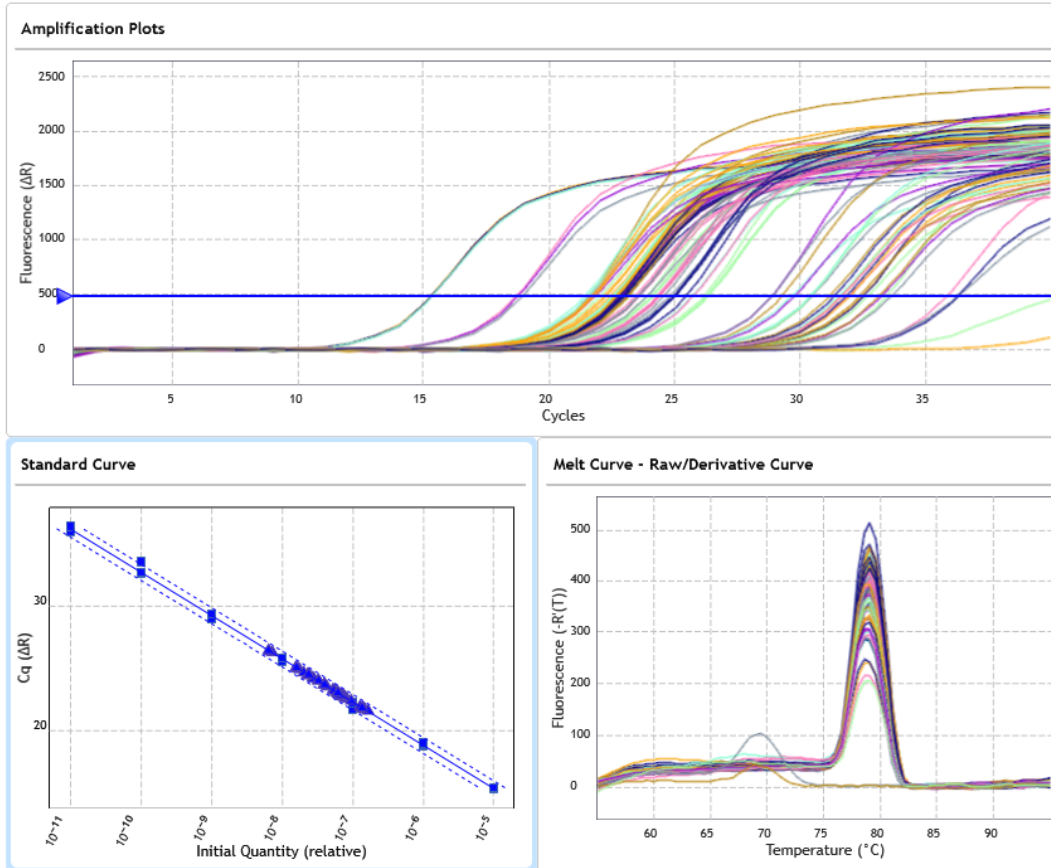


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
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Run Date: 14 Mar 2024 10:47:59

Graphical Displays



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
ERG10	SYBR	500	0,998	-3,481	93,78

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	ERG10	1	2353	1789,389	4,687	500,000	4	17	22,66	+	7,59e-008
A2	Unknown	2A1	ERG10	1	2379	1834,876	4,885	500,000	3	17	22,52	+	8,37e-008
A3	Unknown	2A1	ERG10	1	2552	1985,002	5,135	500,000	3	17	22,34	+	9,40e-008
A4	Unknown	2A2	ERG10	7	2490	1953,574	5,123	500,000	3	17	22,69	+	7,46e-008
A5	Unknown	2A2	ERG10	7	2304	1768,305	4,741	500,000	4	18	22,92	+	6,43e-008
A6	Unknown	2A2	ERG10	7	2428	1873,755	5,037	500,000	4	18	22,79	+	6,99e-008
A7	Unknown	2A3	ERG10	13	2402	1871,341	4,994	500,000	3	18	22,90	+	6,48e-008
A8	Unknown	2A3	ERG10	13	2363	1827,149	4,985	500,000	3	18	22,91	+	6,46e-008
A9	Unknown	2A3	ERG10	13	2325	1786,383	4,804	500,000	3	17	22,95	+	6,28e-008
A10	Standard	ST-5	ERG10	---	2335	1767,856	4,926	500,000	2	10	15,38	+	1,00e-005
A11	Standard	ST-5	ERG10	---	2327	1740,214	4,983	500,000	2	9	15,39	+	1,00e-005
A12	Standard	ST-5	ERG10	---	2318	1710,357	4,849	500,000	2	9	15,43	+	1,00e-005
B1	Unknown	2B1	ERG10	2	2230	1652,444	4,047	500,000	2	17	23,12	+	5,60e-008
B2	Unknown	2B1	ERG10	2	2366	1768,775	4,165	500,000	2	17	22,97	+	6,20e-008
B3	Unknown	2B1	ERG10	2	2508	1909,899	4,377	500,000	2	17	22,81	+	6,89e-008
B4	Unknown	2B2	ERG10	8	2467	1826,605	3,985	500,000	2	19	24,21	+	2,74e-008
B5	Unknown	2B2	ERG10	8	2451	1847,907	4,197	500,000	2	19	24,15	+	2,84e-008
B6	Unknown	2B2	ERG10	8	2661	2043,084	4,457	500,000	2	19	23,96	+	3,22e-008
B7	Unknown	2B3	ERG10	14	2718	2141,140	4,819	500,000	2	19	24,46	+	2,32e-008
B8	Unknown	2B3	ERG10	14	2361	1790,907	4,194	500,000	2	19	24,86	+	1,78e-008
B9	Unknown	2B3	ERG10	14	2626	2014,289	4,443	500,000	3	19	24,64	+	2,06e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13

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

Run Date: 14 Mar 2024 10:47:59

Tabular Results (2 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	T _m Product 1 (-R'(T))
8,46e-008	9,06e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
8,46e-008	9,06e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
8,46e-008	9,06e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,96e-008	5,17e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,96e-008	5,17e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,96e-008	5,17e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,41e-008	1,12e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,41e-008	1,12e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,41e-008	1,12e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-005	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-005	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-005	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,23e-008	6,46e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,23e-008	6,46e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,23e-008	6,46e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,93e-008	2,57e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,93e-008	2,57e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,93e-008	2,57e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,05e-008	2,72e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,05e-008	2,72e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,05e-008	2,72e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-006	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-006	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-006	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13

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

Run Date: 14 Mar 2024 10:47:59

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	ERG10	3	2490	1943,218	4,511	500,000	2	17	22,71	+	7,37e-008
C2	Unknown	3A1	ERG10	3	2551	1996,113	4,531	500,000	2	17	22,62	+	7,80e-008
C3	Unknown	3A1	ERG10	3	2546	1980,096	4,345	500,000	2	17	22,64	+	7,74e-008
C4	Unknown	3A2	ERG10	9	2569	1983,441	4,468	500,000	2	18	22,78	+	7,04e-008
C5	Unknown	3A2	ERG10	9	2497	1967,669	4,443	500,000	2	17	22,73	+	7,29e-008
C6	Unknown	3A2	ERG10	9	2439	1912,882	4,435	500,000	2	18	22,75	+	7,16e-008
C7	Unknown	3A3	ERG10	15	2697	2154,559	4,732	500,000	2	18	23,04	+	5,91e-008
C8	Unknown	3A3	ERG10	15	2542	1985,809	4,413	500,000	2	18	23,21	+	5,28e-008
C9	Unknown	3A3	ERG10	15	2607	2056,897	4,631	500,000	2	18	23,17	+	5,42e-008
C10	Standard	ST-7	ERG10	---	2969	2408,546	5,321	500,000	2	17	21,65	+	1,00e-007
C11	Standard	ST-7	ERG10	---	2425	1874,330	4,346	500,000	2	16	22,11	+	1,00e-007
C12	Standard	ST-7	ERG10	---	2343	1795,454	4,276	500,000	2	17	22,25	+	1,00e-007
D1	Unknown	3B1	ERG10	4	2319	1756,088	4,026	500,000	2	18	23,65	+	3,97e-008
D2	Unknown	3B1	ERG10	4	2263	1702,544	4,012	500,000	2	18	23,62	+	4,03e-008
D3	Unknown	3B1	ERG10	4	2448	1878,109	4,192	500,000	2	17	23,50	+	4,36e-008
D4	Unknown	3B2	ERG10	10	2382	1821,987	4,024	500,000	2	17	23,02	+	6,01e-008
D5	Unknown	3B2	ERG10	10	2553	1961,765	4,138	500,000	2	18	22,86	+	6,67e-008
D6	Unknown	3B2	ERG10	10	2365	1802,338	4,015	500,000	2	18	23,00	+	6,09e-008
D7	Unknown	3B3	ERG10	16	2700	2135,200	4,448	500,000	2	20	26,21	+	7,29e-009
D8	Unknown	3B3	ERG10	16	2498	1922,175	4,062	500,000	2	20	26,34	+	6,66e-009
D9	Unknown	3B3	ERG10	16	2505	1902,329	4,047	500,000	2	21	26,40	+	6,43e-009
D10	Standard	ST-8	ERG10	---	2791	2175,886	4,546	500,000	2	21	25,51	+	1,00e-008
D11	Standard	ST-8	ERG10	---	2526	1869,014	3,839	500,000	2	21	25,75	+	1,00e-008
D12	Standard	ST-8	ERG10	---	2540	1960,757	4,298	500,000	2	21	25,79	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13

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

Run Date: 14 Mar 2024 10:47:59

Tabular Results (4 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	T _m Product 1 (-R'(T))
7,64e-008	2,34e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
7,64e-008	2,34e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
7,64e-008	2,34e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
7,16e-008	1,25e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
7,16e-008	1,25e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
7,16e-008	1,25e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
5,54e-008	3,28e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
5,54e-008	3,28e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
5,54e-008	3,28e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-007	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-007	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-007	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
4,12e-008	2,10e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
4,12e-008	2,10e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
4,12e-008	2,10e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,25e-008	3,62e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,25e-008	3,62e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,25e-008	3,62e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,79e-009	4,43e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,79e-009	4,43e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,79e-009	4,43e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-008	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-008	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-008	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13

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

Run Date: 14 Mar 2024 10:47:59

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	ERG10	5	2268	1695,735	4,101	500,000	2	16	21,88	+	1,27e-007
E2	Unknown	4A1	ERG10	5	2335	1753,859	4,222	500,000	3	16	21,78	+	1,37e-007
E3	Unknown	4A1	ERG10	5	2487	1860,970	4,024	500,000	2	16	21,68	+	1,45e-007
E4	Unknown	4A2	ERG10	11	2502	1859,714	4,082	500,000	4	16	21,63	+	1,50e-007
E5	Unknown	4A2	ERG10	11	2416	1838,449	4,095	500,000	2	16	21,68	+	1,45e-007
E6	Unknown	4A2	ERG10	11	2608	2015,415	4,200	500,000	2	16	21,50	+	1,64e-007
E7	Unknown	4A3	ERG10	17	2725	2133,526	4,580	500,000	2	17	21,73	+	1,40e-007
E8	Unknown	4A3	ERG10	17	2575	1964,021	4,228	500,000	2	17	21,87	+	1,29e-007
E9	Unknown	4A3	ERG10	17	2636	2024,293	4,430	500,000	2	17	21,81	+	1,34e-007
E10	Standard	ST-9	ERG10	---	2826	2204,483	4,603	500,000	2	23	28,95	+	1,00e-009
E11	Standard	ST-9	ERG10	---	2487	1881,016	4,159	500,000	2	23	28,94	+	1,00e-009
E12	Standard	ST-9	ERG10	---	2549	1963,551	4,410	500,000	2	24	29,36	+	1,00e-009
F1	Unknown	4A2	ERG10	6	2174	1618,779	4,181	500,000	2	18	23,93	+	3,29e-008
F2	Unknown	4A2	ERG10	6	2416	1842,956	4,441	500,000	2	18	23,65	+	3,95e-008
F3	Unknown	4A2	ERG10	6	2455	1866,559	4,270	500,000	2	18	23,63	+	4,00e-008
F4	Unknown	4B2	ERG10	12	2524	1939,258	4,374	500,000	2	19	24,38	+	2,44e-008
F5	Unknown	4B2	ERG10	12	2398	1836,596	4,244	500,000	3	19	24,48	+	2,29e-008
F6	Unknown	4B2	ERG10	12	2443	1867,560	4,148	500,000	2	19	24,41	+	2,39e-008
F7	Unknown	4B3	ERG10	18	2644	2036,437	4,258	500,000	2	19	24,97	+	1,65e-008
F8	Unknown	4B3	ERG10	18	2548	1958,765	4,416	500,000	3	20	25,05	+	1,57e-008
F9	Unknown	4B3	ERG10	18	2645	2063,144	4,757	500,000	3	20	25,03	+	1,59e-008
F10	Standard	ST-10	ERG10	---	2406	1816,073	4,236	500,000	2	29	33,54	+	1,00e-010
F11	Standard	ST-10	ERG10	---	2117	1556,469	3,828	500,000	2	27	32,56	+	1,00e-010
F12	Standard	ST-10	ERG10	---	2302	1743,335	4,155	500,000	2	27	32,63	+	1,00e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13

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

Run Date: 14 Mar 2024 10:47:59

Tabular Results (6 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	T _m Product 1 (-R'(T))
1,36e-007	9,02e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,36e-007	9,02e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,36e-007	9,02e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,53e-007	9,42e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,53e-007	9,42e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,53e-007	9,42e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,34e-007	5,87e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,34e-007	5,87e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,34e-007	5,87e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-009	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-009	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-009	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
3,75e-008	3,95e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
3,75e-008	3,95e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
3,75e-008	3,95e-009	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,37e-008	7,88e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,37e-008	7,88e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,37e-008	7,88e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,60e-008	4,15e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,60e-008	4,15e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,60e-008	4,15e-010	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 10:47:59

Tabular Results (7 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFist	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
G1	No RT	2A1	ERG10	---	2097	1483,293	3,616	500,000	2	24	29,74	+	7,03e-010
G2	No RT	3A1	ERG10	---	1994	1400,620	3,432	500,000	2	26	31,99	+	1,59e-010
G3	No RT	4A1	ERG10	---	2295	1671,888	3,684	500,000	2	24	29,87	+	6,47e-010
G4	No RT	2A2	ERG10	---	2275	1657,470	3,623	500,000	2	25	30,57	+	4,06e-010
G5	No RT	3A2	ERG10	---	2276	1655,880	3,647	500,000	2	26	31,26	+	2,57e-010
G6	No RT	4A2	ERG10	---	2473	1844,746	3,907	500,000	2	25	30,53	+	4,19e-010
G7	No RT	2A3	ERG10	---	2333	1683,080	3,567	500,000	2	26	31,74	+	1,88e-010
G8	No RT	3A3	ERG10	---	2331	1709,020	3,742	500,000	2	26	31,47	+	2,24e-010
G9	No RT	4A3	ERG10	---	2550	1897,296	3,972	500,000	2	25	30,49	+	4,29e-010
G10	Standard	ST-11	ERG10	---	2065	1440,687	3,374	500,000	2	31	35,92	+	1,00e-011
G12	Standard	ST-11	ERG10	---	1725	1135,852	2,939	500,000	2	30	36,39	+	1,00e-011
H1	No RT	2B1	ERG10	---	2096	1481,180	3,499	500,000	2	26	32,45	+	1,17e-010
H2	No RT	3B1	ERG10	---	2026	1430,106	3,451	500,000	2	27	32,79	+	9,38e-011
H3	No RT	4B1	ERG10	---	2241	1593,180	3,529	500,000	2	26	32,05	+	1,53e-010
H4	No RT	2B2	ERG10	---	2254	1630,200	3,606	500,000	2	26	31,92	+	1,67e-010
H5	No RT	3B2	ERG10	---	2208	1574,260	3,445	500,000	2	26	31,63	+	2,02e-010
H6	No RT	4B2	ERG10	---	2172	1528,840	3,357	500,000	2	26	31,73	+	1,88e-010
H7	No RT	2B3	ERG10	---	2098	1476,357	3,389	500,000	4	28	33,31	+	6,65e-011
H8	No RT	3B3	ERG10	---	2074	1442,086	3,303	500,000	2	28	33,72	+	5,06e-011
H9	No RT	4B3	ERG10	---	2172	1541,746	3,532	500,000	2	28	33,22	+	7,05e-011
H10	NTC	NTC	ERG10	---	1051	461,384	1,831	500,000	2	31	No Cq	-	No Cq
H11	NTC	NTC	ERG10	---	697	111,763	1,210	500,000	2	34	No Cq	-	No Cq
H12	NTC	NTC	ERG10	---	1792	1204,970	3,183	500,000	2	31	36,34	+	8,94e-012

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13

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

Run Date: 14 Mar 2024 10:47:59

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))
7,03e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,59e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
6,47e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
4,06e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
2,57e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
4,19e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,88e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,24e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
4,29e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,00e-011	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
1,00e-011	0,00e+000	0,998	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
1,17e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
9,38e-011	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
1,53e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
1,67e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
2,02e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
1,88e-010	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
6,65e-011	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
5,06e-011	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00
7,05e-011	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	78,50
No Cq	No Cq	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	69,50
No Cq	No Cq	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	69,00
8,94e-012	N/A	No Cq for ERG10 Standards	No Cq for ERG10 Standards	No Cq for ERG10 Standards	9	Off	79,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-s-erg10-24-03-13

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

Run Date: 14 Mar 2024 10:47:59

Experiment Notes

< no experiment notes >