

bcar-p-erg12-24-03-11 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 21:33:58

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 12 Mar 2024 19:45:01

Elapsed Time: 1 : 48 : 43

Report Generated: 11 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

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: | ● ERG12

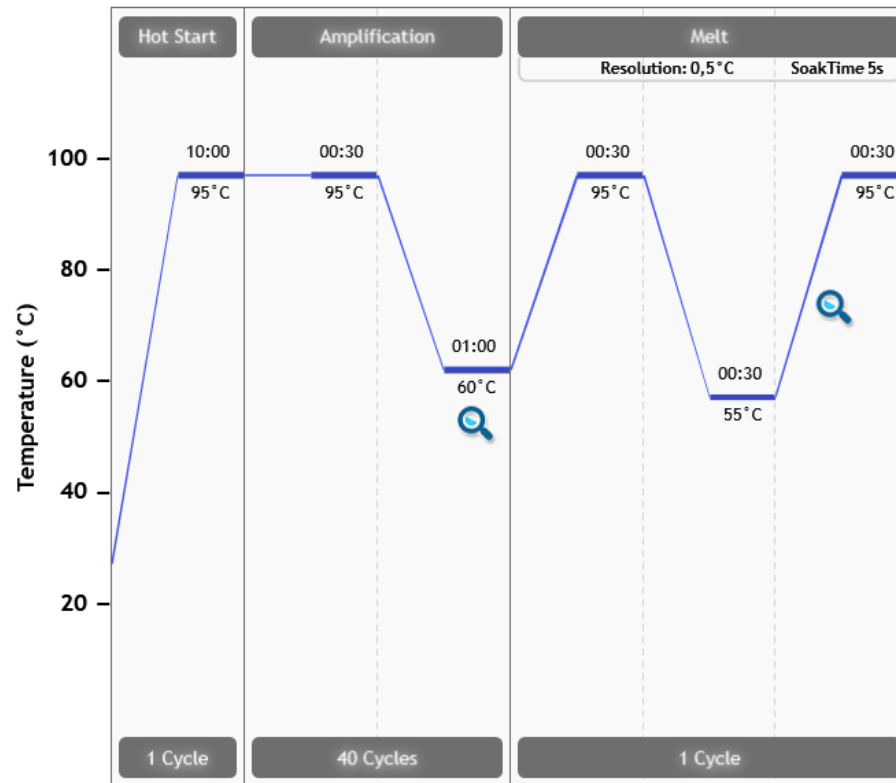
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Thermal Profile

Estimated Runtime: N/A

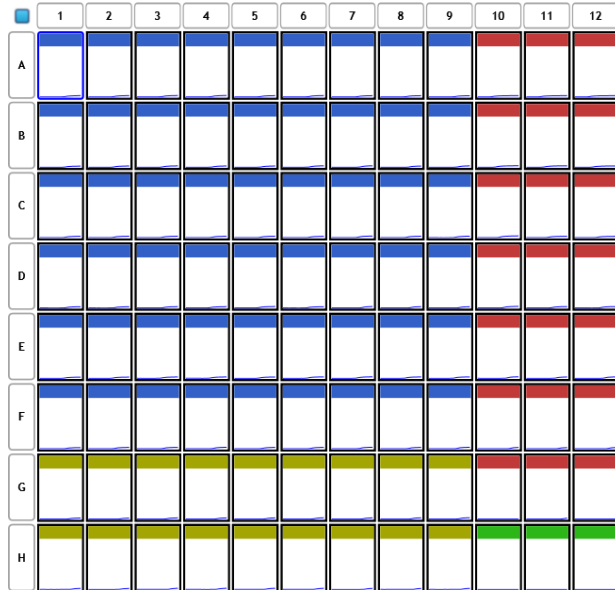
Total Data Collection Points: 121/2700



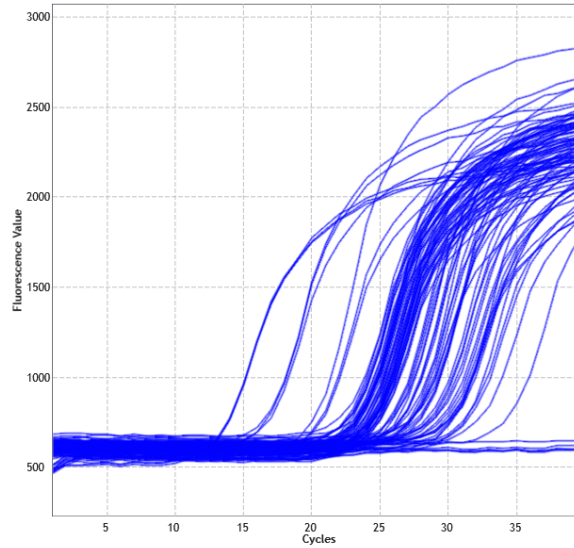
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Analysis Criteria

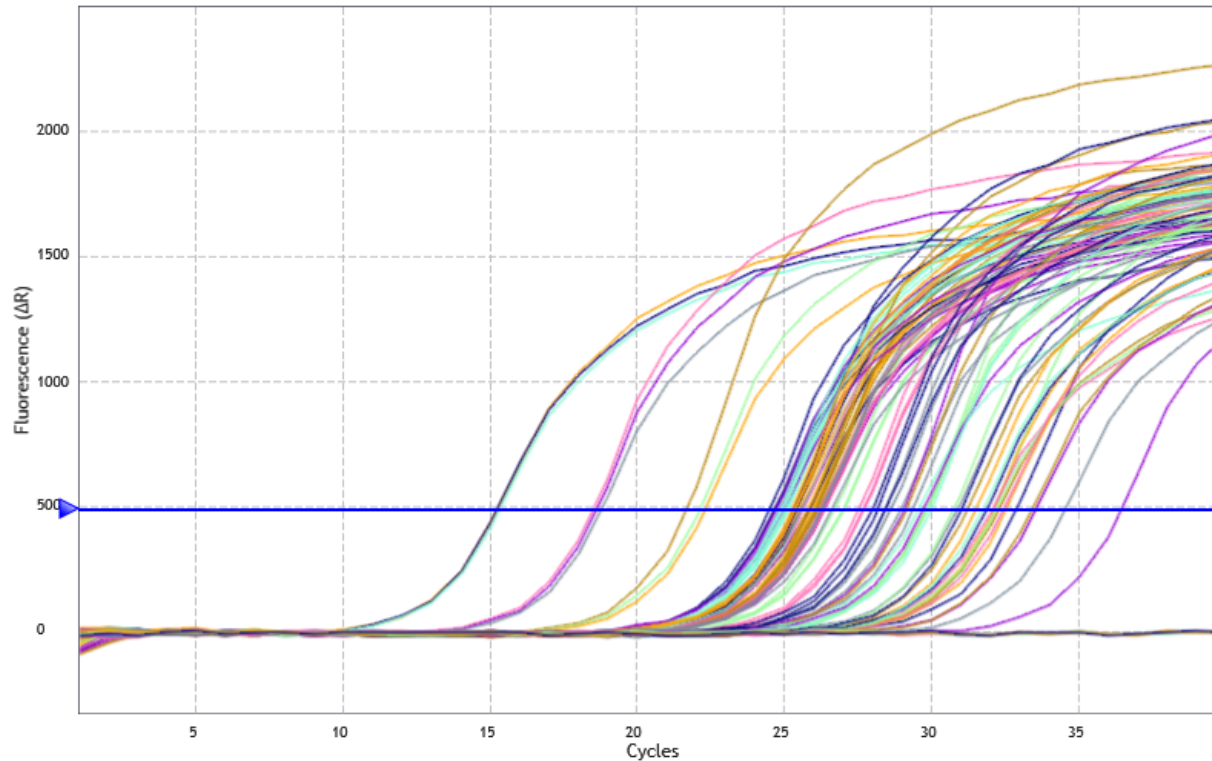
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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:  ERG12

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Amplification Plots

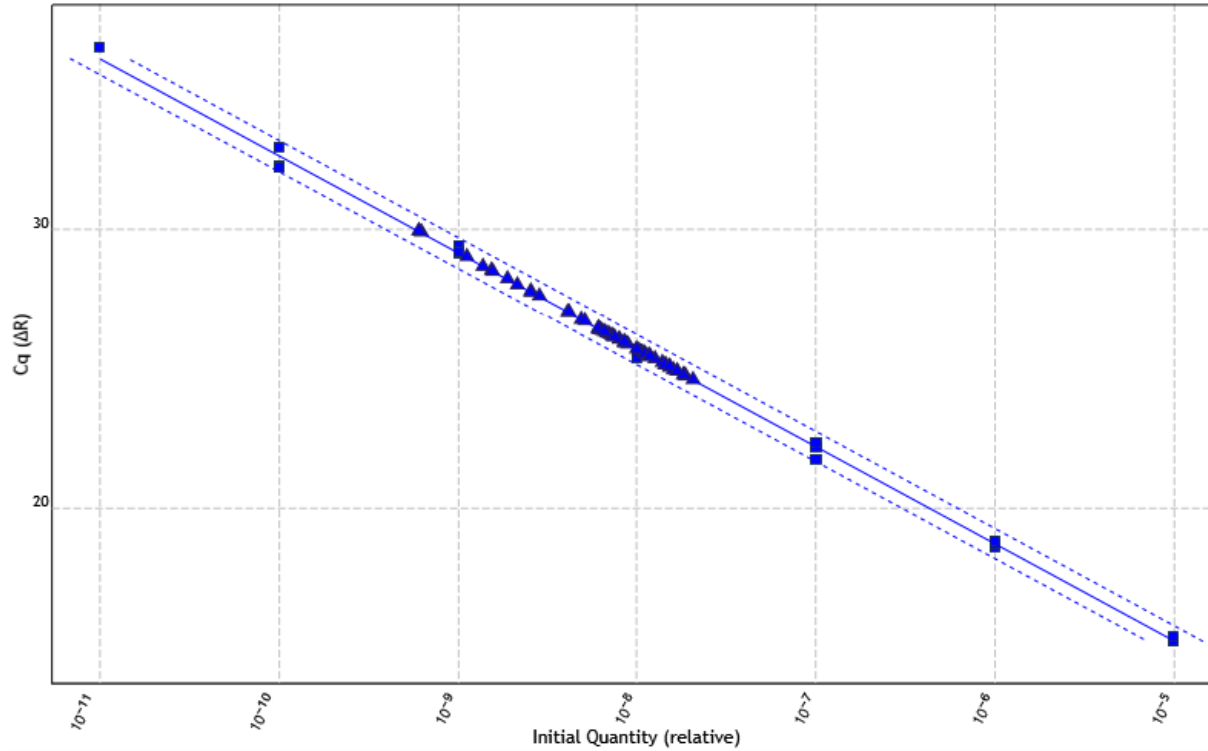


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Standard Curve Plots

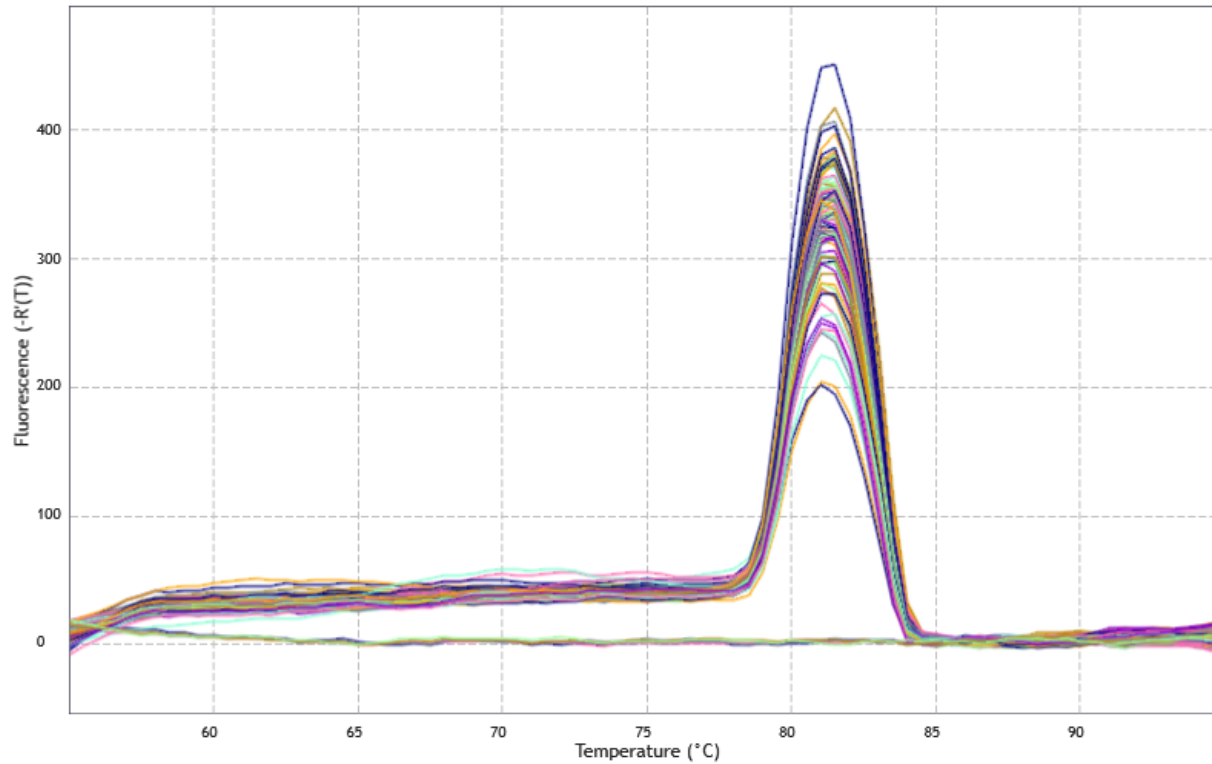


Confidence Level = 95

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Melt Raw Derivative Curve



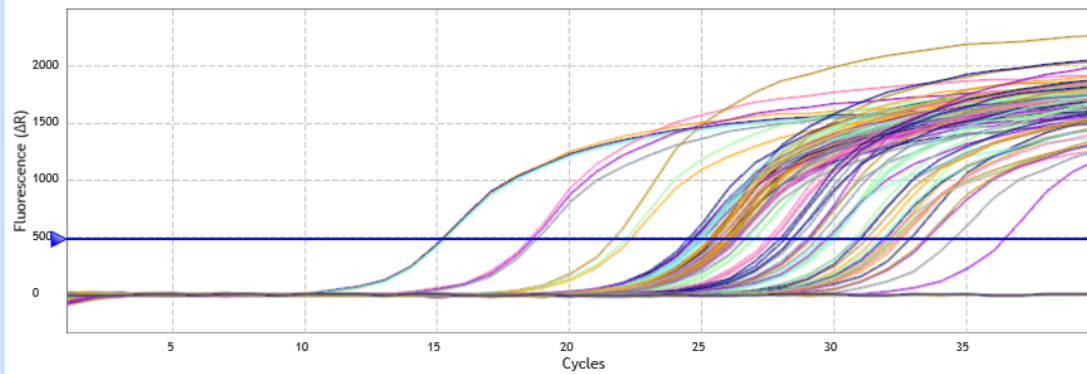
Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

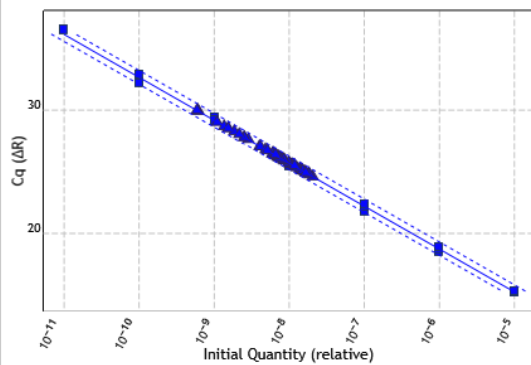
Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Graphical Displays

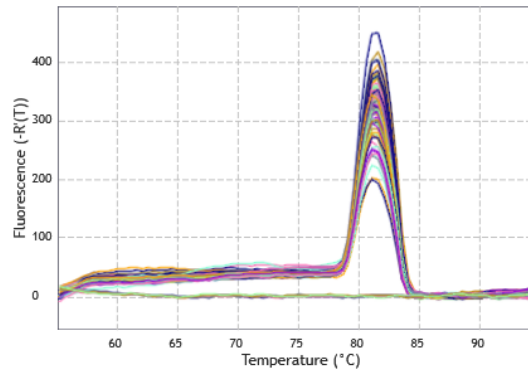
Amplification Plots



Standard Curve



Melt Curve - Raw/Derivative Curve



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
ERG12	SYBR	500	0,999	-3,481	93,76

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	ERG12	1	2183	1632,150	4,166	500,000	3	20	25,63	+	1,02e-008
A2	Unknown	2A1	ERG12	1	2216	1681,438	4,311	500,000	3	20	25,54	+	1,08e-008
A3	Unknown	2A1	ERG12	1	2333	1778,203	4,487	500,000	3	20	25,42	+	1,17e-008
A4	Unknown	2A2	ERG12	7	2397	1861,902	4,784	500,000	4	20	25,91	+	8,48e-009
A5	Unknown	2A2	ERG12	7	2171	1638,843	4,467	500,000	4	20	26,21	+	6,99e-009
A6	Unknown	2A2	ERG12	7	2313	1758,186	4,749	500,000	4	20	26,14	+	7,30e-009
A7	Unknown	2A3	ERG12	13	2141	1607,922	4,526	500,000	4	20	26,41	+	6,11e-009
A8	Unknown	2A3	ERG12	13	2148	1593,132	4,484	500,000	5	21	26,42	+	6,08e-009
A9	Unknown	2A3	ERG12	13	2116	1561,941	4,266	500,000	5	21	26,41	+	6,09e-009
A10	Standard	ST-5	ERG12	---	2215	1703,821	4,466	500,000	2	9	15,27	+	1,00e-005
A11	Standard	ST-5	ERG12	---	2180	1649,500	4,440	500,000	2	9	15,26	+	1,00e-005
A12	Standard	ST-5	ERG12	---	2197	1613,500	4,394	500,000	3	9	15,38	+	1,00e-005
B1	Unknown	2B1	ERG12	2	2083	1496,600	3,629	500,000	2	20	25,89	+	8,62e-009
B2	Unknown	2B1	ERG12	2	2241	1643,205	3,747	500,000	2	20	25,68	+	9,86e-009
B3	Unknown	2B1	ERG12	2	2375	1763,898	3,913	500,000	2	20	25,51	+	1,10e-008
B4	Unknown	2B2	ERG12	8	2268	1622,337	3,522	500,000	3	21	27,02	+	4,06e-009
B5	Unknown	2B2	ERG12	8	2226	1610,261	3,698	500,000	3	20	26,99	+	4,15e-009
B6	Unknown	2B2	ERG12	8	2431	1785,200	4,005	500,000	3	21	26,76	+	4,85e-009
B7	Unknown	2B3	ERG12	14	2470	1857,447	4,208	500,000	2	23	28,49	+	1,54e-009
B8	Unknown	2B3	ERG12	14	2166	1569,399	3,734	500,000	2	23	28,99	+	1,11e-009
B9	Unknown	2B3	ERG12	14	2405	1778,952	3,930	500,000	2	23	28,66	+	1,38e-009

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11

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

Run Date: 12 Mar 2024 19:45:01

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))
1,09e-008	7,67e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,09e-008	7,67e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,09e-008	7,67e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
7,59e-009	7,87e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
7,59e-009	7,87e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
7,59e-009	7,87e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
6,09e-009	1,65e-011	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
6,09e-009	1,65e-011	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
6,09e-009	1,65e-011	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-005	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,00e-005	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,00e-005	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
9,84e-009	1,21e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
9,84e-009	1,21e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
9,84e-009	1,21e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
4,36e-009	4,33e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
4,36e-009	4,33e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
4,36e-009	4,33e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,34e-009	2,16e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,34e-009	2,16e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,34e-009	2,16e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,00e-006	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,00e-006	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,00e-006	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11

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

Run Date: 12 Mar 2024 19:45:01

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	ERG12	3	2332	1772,316	4,049	500,000	2	20	25,18	+	1,37e-008
C2	Unknown	3A1	ERG12	3	2414	1851,816	4,057	500,000	2	20	25,10	+	1,45e-008
C3	Unknown	3A1	ERG12	3	2408	1826,582	3,928	500,000	2	20	25,13	+	1,42e-008
C4	Unknown	3A2	ERG12	9	2333	1753,551	4,009	500,000	2	20	26,02	+	7,91e-009
C5	Unknown	3A2	ERG12	9	2393	1824,707	4,042	500,000	2	20	25,86	+	8,80e-009
C6	Unknown	3A2	ERG12	9	2252	1707,488	3,972	500,000	2	20	26,02	+	7,90e-009
C7	Unknown	3A3	ERG12	15	2618	2041,314	4,378	500,000	2	21	25,93	+	8,38e-009
C8	Unknown	3A3	ERG12	15	2422	1851,571	4,071	500,000	2	21	26,15	+	7,25e-009
C9	Unknown	3A3	ERG12	15	2418	1872,186	4,302	500,000	2	21	26,11	+	7,45e-009
C10	Standard	ST-7	ERG12	---	2840	2269,968	4,781	500,000	2	17	21,73	+	1,00e-007
C11	Standard	ST-7	ERG12	---	2345	1806,820	4,071	500,000	2	16	22,17	+	1,00e-007
C12	Standard	ST-7	ERG12	---	2235	1678,480	3,935	500,000	2	16	22,37	+	1,00e-007
D1	Unknown	3B1	ERG12	4	2238	1655,171	3,705	500,000	2	21	26,40	+	6,15e-009
D2	Unknown	3B1	ERG12	4	2216	1642,600	3,597	500,000	2	21	26,43	+	6,02e-009
D3	Unknown	3B1	ERG12	4	2308	1724,121	3,729	500,000	2	20	26,26	+	6,72e-009
D4	Unknown	3B2	ERG12	10	2294	1603,491	3,429	500,000	4	19	24,76	+	1,82e-008
D5	Unknown	3B2	ERG12	10	2450	1829,657	3,846	500,000	2	19	24,57	+	2,06e-008
D6	Unknown	3B2	ERG12	10	2245	1655,536	3,699	500,000	2	19	24,73	+	1,85e-008
D7	Unknown	3B3	ERG12	16	2471	1868,404	3,941	500,000	2	24	29,90	+	6,07e-010
D8	Unknown	3B3	ERG12	16	2294	1687,249	3,641	500,000	2	24	29,87	+	6,19e-010
D9	Unknown	3B3	ERG12	16	2272	1654,056	3,512	500,000	2	24	29,92	+	5,99e-010
D10	Standard	ST-8	ERG12	---	2667	2055,818	4,128	500,000	2	20	25,39	+	1,00e-008
D11	Standard	ST-8	ERG12	---	2422	1765,702	3,505	500,000	2	20	25,69	+	1,00e-008
D12	Standard	ST-8	ERG12	---	2435	1841,889	3,966	500,000	2	20	25,73	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11

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

Run Date: 12 Mar 2024 19:45:01

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))
1,42e-008	3,99e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,42e-008	3,99e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,42e-008	3,99e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
8,20e-009	5,21e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
8,20e-009	5,21e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
8,20e-009	5,21e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
7,69e-009	6,01e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
7,69e-009	6,01e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
7,69e-009	6,01e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-007	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-007	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-007	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
6,30e-009	3,67e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
6,30e-009	3,67e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
6,30e-009	3,67e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,91e-008	1,30e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,91e-008	1,30e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,91e-008	1,30e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
6,08e-010	1,02e-011	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
6,08e-010	1,02e-011	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
6,08e-010	1,02e-011	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-008	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-008	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-008	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 12 Mar 2024 19:45:01

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	ERG12	5	2123	1567,706	3,679	500,000	2	18	25,03	+	1,52e-008
E2	Unknown	4A1	ERG12	5	2213	1651,171	3,726	500,000	2	19	24,89	+	1,67e-008
E3	Unknown	4A1	ERG12	5	2378	1748,926	3,647	500,000	2	19	24,78	+	1,80e-008
E4	Unknown	4A2	ERG12	11	2380	1734,979	3,617	500,000	2	19	24,95	+	1,60e-008
E5	Unknown	4A2	ERG12	11	2286	1675,136	3,748	500,000	2	19	25,05	+	1,50e-008
E6	Unknown	4A2	ERG12	11	2473	1830,490	3,870	500,000	2	19	24,88	+	1,67e-008
E7	Unknown	4A3	ERG12	17	2523	1911,981	4,129	500,000	2	19	25,32	+	1,26e-008
E8	Unknown	4A3	ERG12	17	2410	1787,061	3,813	500,000	2	20	25,45	+	1,15e-008
E9	Unknown	4A3	ERG12	17	2452	1848,214	3,981	500,000	2	20	25,42	+	1,17e-008
E10	Standard	ST-9	ERG12	---	2635	1999,187	4,066	500,000	2	24	29,10	+	1,00e-009
E11	Standard	ST-9	ERG12	---	2343	1727,146	3,725	500,000	2	24	29,43	+	1,00e-009
E12	Standard	ST-9	ERG12	---	2424	1823,441	4,000	500,000	2	24	29,19	+	1,00e-009
F1	Unknown	4A2	ERG12	6	2066	1507,357	3,750	500,000	2	21	26,68	+	5,10e-009
F2	Unknown	4A2	ERG12	6	2292	1712,971	3,885	500,000	2	21	26,36	+	6,32e-009
F3	Unknown	4A2	ERG12	6	2358	1752,329	3,828	500,000	2	21	26,31	+	6,51e-009
F4	Unknown	4B2	ERG12	12	2455	1859,778	4,031	500,000	6	21	27,57	+	2,83e-009
F5	Unknown	4B2	ERG12	12	2271	1688,363	3,875	500,000	4	22	27,74	+	2,53e-009
F6	Unknown	4B2	ERG12	12	2341	1720,032	3,857	500,000	2	22	27,73	+	2,55e-009
F7	Unknown	4B3	ERG12	18	2491	1830,059	3,911	500,000	2	23	28,19	+	1,88e-009
F8	Unknown	4B3	ERG12	18	2315	1696,390	3,871	500,000	3	23	28,48	+	1,55e-009
F9	Unknown	4B3	ERG12	18	2479	1877,007	4,216	500,000	3	23	27,99	+	2,15e-009
F10	Standard	ST-10	ERG12	---	2320	1703,865	3,822	500,000	3	27	32,24	+	1,00e-010
F11	Standard	ST-10	ERG12	---	2067	1470,516	3,503	500,000	7	27	32,19	+	1,00e-010
F12	Standard	ST-10	ERG12	---	2132	1548,132	3,657	500,000	2	27	32,93	+	1,00e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11

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

Run Date: 12 Mar 2024 19:45:01

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))
1,66e-008	1,41e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,66e-008	1,41e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,66e-008	1,41e-009	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,59e-008	8,59e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,59e-008	8,59e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,59e-008	8,59e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,19e-008	5,54e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,19e-008	5,54e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,19e-008	5,54e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-009	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-009	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-009	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
5,98e-009	7,64e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
5,98e-009	7,64e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
5,98e-009	7,64e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
2,64e-009	1,69e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
2,64e-009	1,69e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
2,64e-009	1,69e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,86e-009	3,01e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,86e-009	3,01e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,86e-009	3,01e-010	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-010	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
1,00e-010	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,00e-010	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11

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

Run Date: 12 Mar 2024 19:45:01

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	ERG12	---	2011	1377,867	3,329	500,000	2	24	29,63	+	7,27e-010
G2	No RT	3A1	ERG12	---	1892	1266,560	3,027	500,000	2	26	32,12	+	1,40e-010
G3	No RT	4A1	ERG12	---	2195	1541,624	3,326	500,000	2	24	29,77	+	6,61e-010
G4	No RT	2A2	ERG12	---	2170	1536,150	3,354	500,000	2	25	30,93	+	3,06e-010
G5	No RT	3A2	ERG12	---	2170	1529,400	3,380	500,000	2	26	31,28	+	2,44e-010
G6	No RT	4A2	ERG12	---	2318	1659,671	3,555	500,000	2	25	30,81	+	3,31e-010
G7	No RT	2A3	ERG12	---	2217	1546,368	3,334	500,000	2	25	31,59	+	1,98e-010
G8	No RT	3A3	ERG12	---	2248	1592,460	3,502	500,000	2	26	31,05	+	2,83e-010
G9	No RT	4A3	ERG12	---	2426	1748,479	3,615	500,000	3	24	30,02	+	5,61e-010
G10	Standard	ST-11	ERG12	---	654	6,095	1,017	500,000	2	40	No Cq	-	No Cq
G11	Standard	ST-11	ERG12	---	1819	1184,798	2,856	500,000	2	31	36,52	+	1,00e-011
G12	Standard	ST-11	ERG12	---	624	9,187	1,025	500,000	2	40	No Cq	-	No Cq
H1	No RT	2B1	ERG12	---	1957	1319,100	3,136	500,000	2	26	32,36	+	1,19e-010
H2	No RT	3B1	ERG12	---	1900	1298,000	3,146	500,000	2	26	32,27	+	1,27e-010
H3	No RT	4B1	ERG12	---	2116	1474,661	3,265	500,000	2	27	32,63	+	9,99e-011
H4	No RT	2B2	ERG12	---	2087	1453,540	3,261	500,000	2	26	31,94	+	1,58e-010
H5	No RT	3B2	ERG12	---	2090	1448,368	3,271	500,000	3	26	31,82	+	1,71e-010
H6	No RT	4B2	ERG12	---	2063	1415,660	3,213	500,000	2	26	32,53	+	1,07e-010
H7	No RT	2B3	ERG12	---	1945	1326,413	3,163	500,000	2	27	33,61	+	5,21e-011
H8	No RT	3B3	ERG12	---	1900	1261,347	3,016	500,000	3	28	34,59	+	2,72e-011
H9	No RT	4B3	ERG12	---	2000	1360,681	3,190	500,000	2	28	33,49	+	5,64e-011
H10	NTC	NTC	ERG12	---	604	4,187	1,017	500,000	2	40	No Cq	-	No Cq
H11	NTC	NTC	ERG12	---	607	5,678	1,008	500,000	2	40	No Cq	-	No Cq
H12	NTC	NTC	ERG12	---	603	5,690	1,036	500,000	4	40	No Cq	-	No Cq

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11

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

Run Date: 12 Mar 2024 19:45:01

Tabular Results (8 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	T _m Product 1 (-R'(T))
7,27e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,40e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
6,61e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
3,06e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
2,44e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
3,31e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,98e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
2,83e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
5,61e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
No Cq	No Cq	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	55,00
1,00e-011	0,00e+000	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
No Cq	No Cq	0,999	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	55,00
1,19e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,27e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
9,99e-011	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,58e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,71e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
1,07e-010	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
5,21e-011	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,50
2,72e-011	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
5,64e-011	N/A	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	81,00
No Cq	No Cq	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	95,00
No Cq	No Cq	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	55,00
No Cq	No Cq	No Cq for ERG12 Standards	No Cq for ERG12 Standards	No Cq for ERG12 Standards	9	Off	55,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-p-erg12-24-03-11

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

Run Date: 12 Mar 2024 19:45:01

Experiment Notes

< no experiment notes >