

bcar-m-bts1-24-03-10 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: 11 Mar 2024 17:44:48

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 11 Mar 2024 15:55:40

Elapsed Time: 1 : 48 : 55

Report Generated: 10 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

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
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: | BTS1

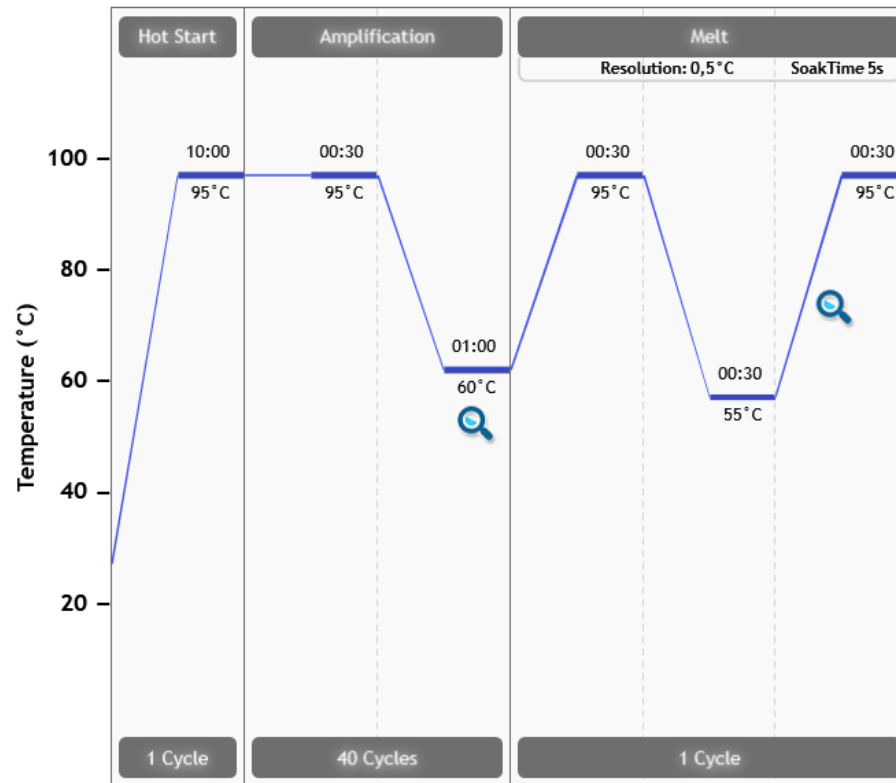
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

Thermal Profile

Estimated Runtime: N/A

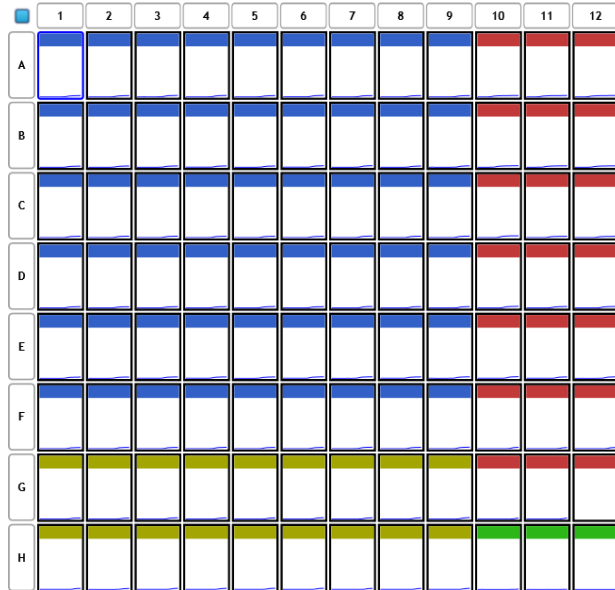
Total Data Collection Points: 121/2700



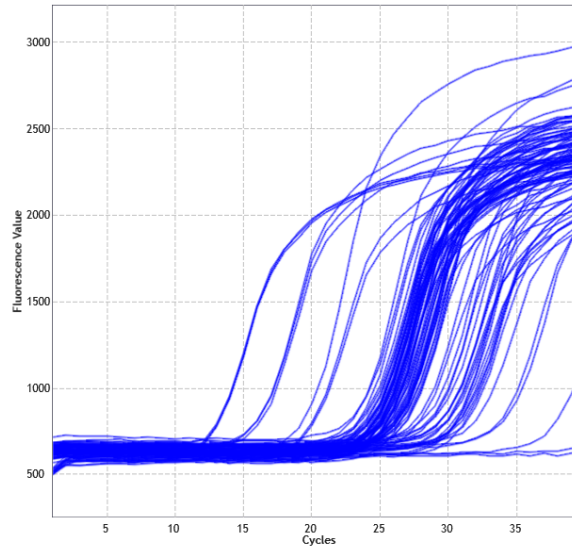
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

Analysis Criteria

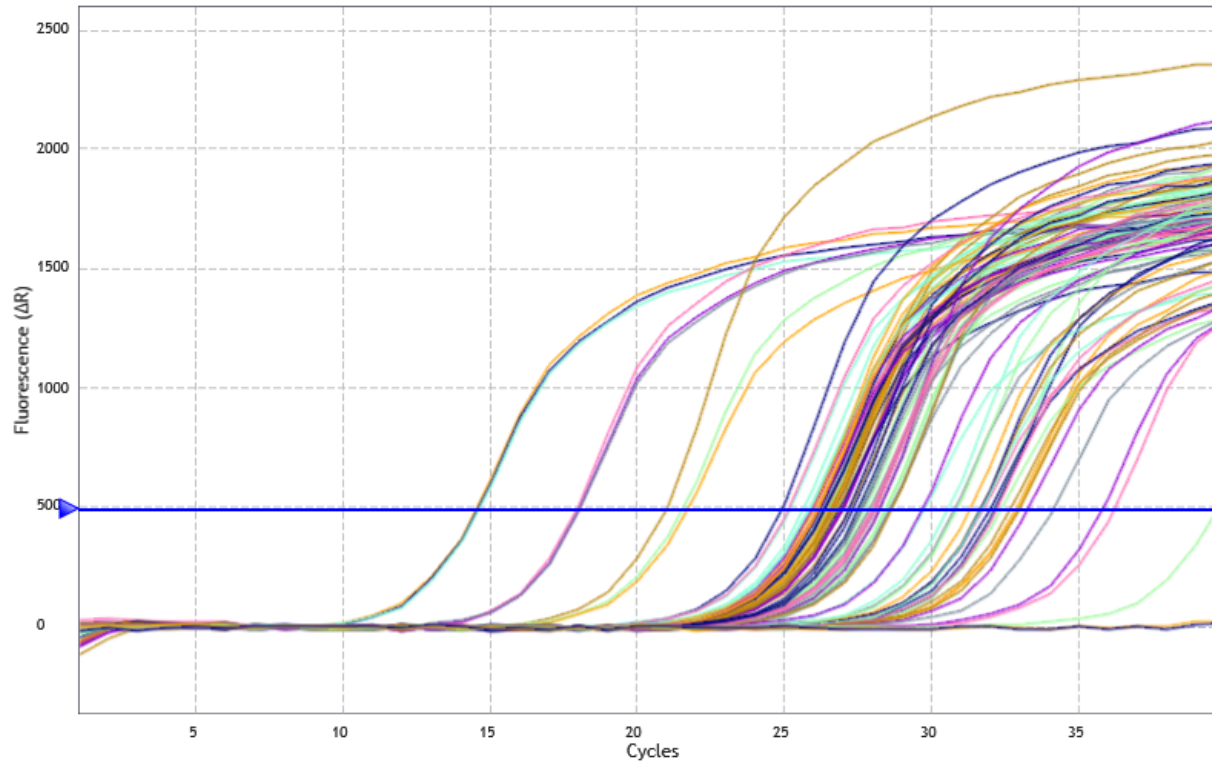
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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: BTS1

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

Amplification Plots

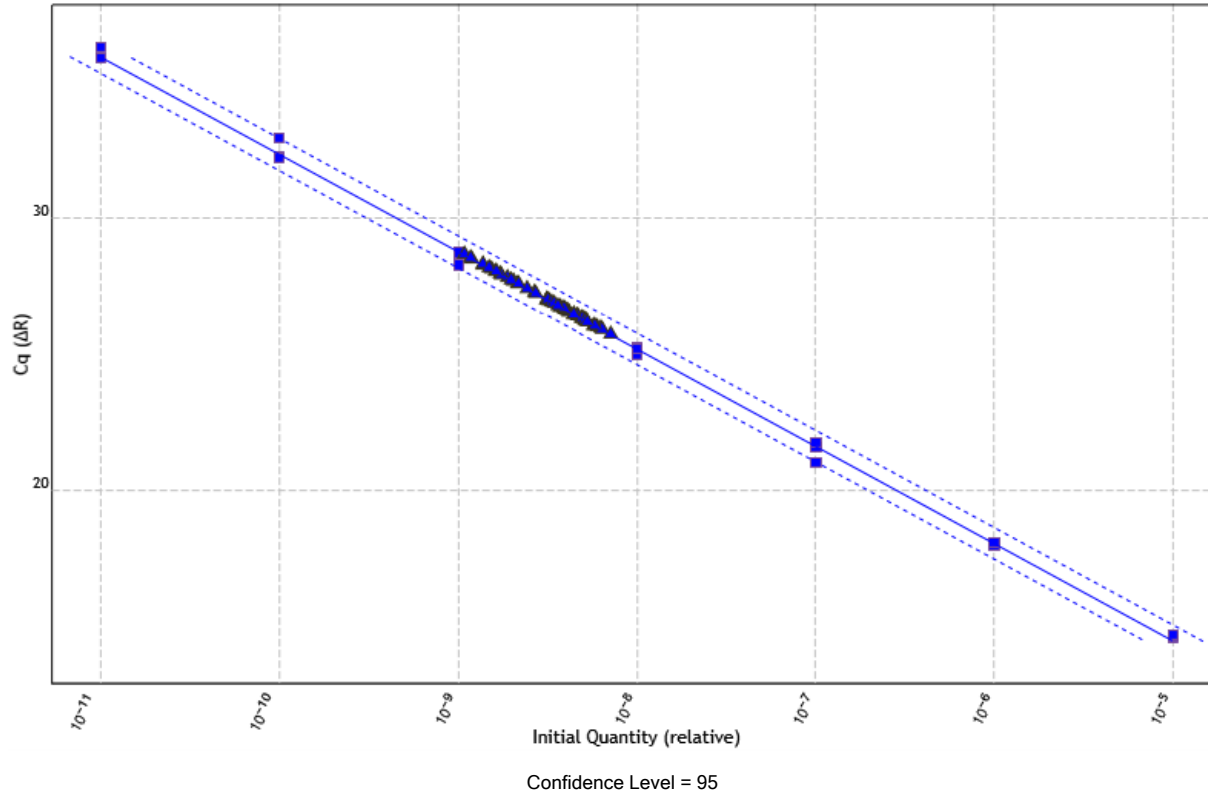


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
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Run Date: 11 Mar 2024 15:55:40

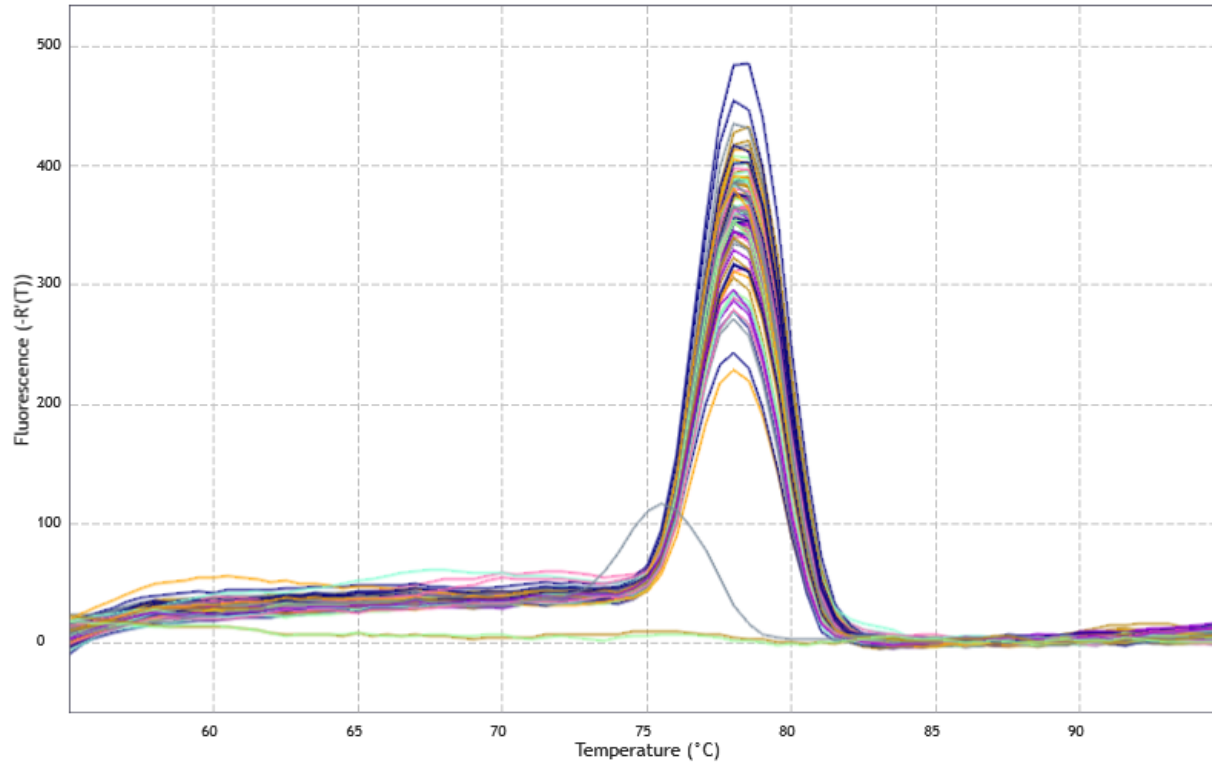
Standard Curve Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

Melt Raw Derivative Curve

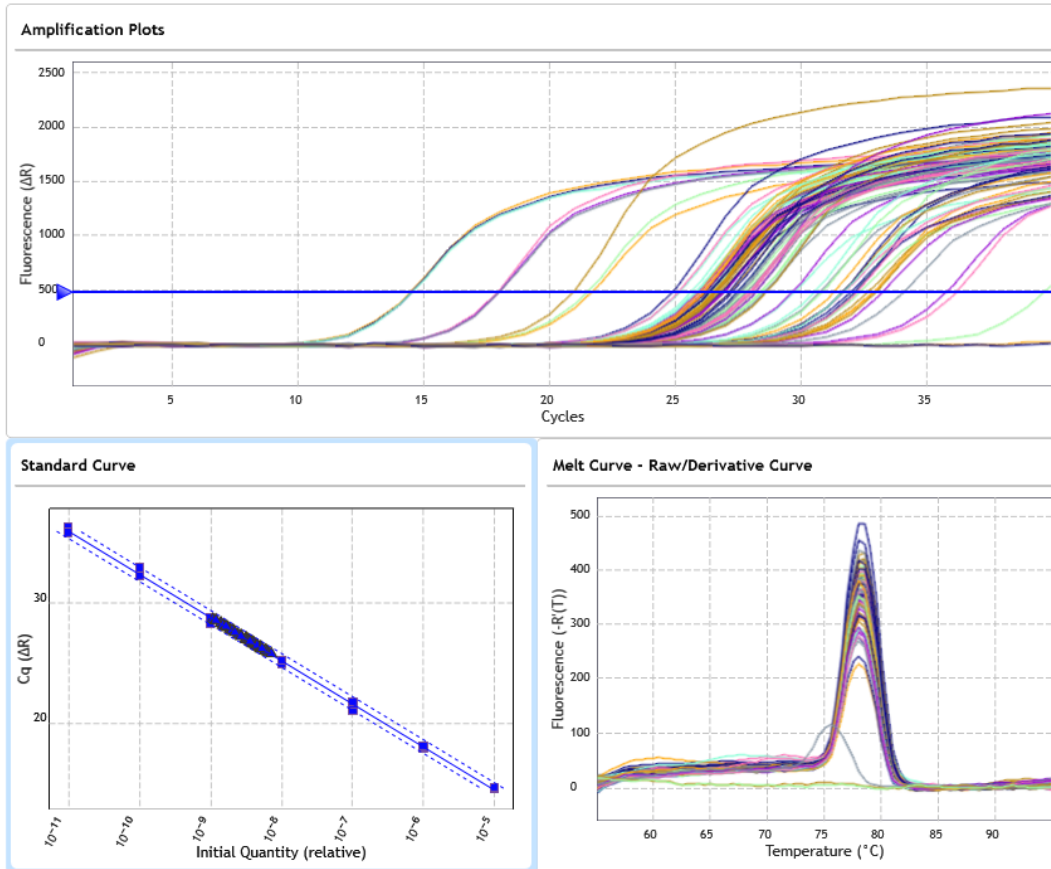


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

Graphical Displays



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 11 Mar 2024 15:55:40

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
BTS1	SYBR	500	0,999	-3,575	90,42

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	BTS1	1	2259	1673,498	4,183	500,000	3	21	26,53	+	4,17e-009
A2	Unknown	2A1	BTS1	1	2254	1678,980	4,302	500,000	4	21	26,44	+	4,41e-009
A3	Unknown	2A1	BTS1	1	2472	1858,298	4,552	500,000	4	21	26,23	+	5,08e-009
A4	Unknown	2A2	BTS1	7	2438	1838,425	4,679	500,000	7	22	26,99	+	3,10e-009
A5	Unknown	2A2	BTS1	7	2251	1659,133	4,405	500,000	3	21	27,23	+	2,66e-009
A6	Unknown	2A2	BTS1	7	2464	1816,553	4,729	500,000	6	21	26,94	+	3,21e-009
A7	Unknown	2A3	BTS1	13	2300	1714,404	4,545	500,000	3	21	26,98	+	3,13e-009
A8	Unknown	2A3	BTS1	13	2265	1677,049	4,450	500,000	3	21	26,98	+	3,13e-009
A9	Unknown	2A3	BTS1	13	2253	1656,249	4,211	500,000	6	21	26,97	+	3,15e-009
A10	Standard	ST-5	BTS1	---	2338	1734,571	4,453	500,000	3	9	14,58	+	1,00e-005
A11	Standard	ST-5	BTS1	---	2312	1682,107	4,481	500,000	2	9	14,62	+	1,00e-005
A12	Standard	ST-5	BTS1	---	2329	1624,107	4,462	500,000	2	9	14,66	+	1,00e-005
B1	Unknown	2B1	BTS1	2	2098	1489,737	3,520	500,000	3	21	26,89	+	3,32e-009
B2	Unknown	2B1	BTS1	2	2247	1623,729	3,624	500,000	2	21	26,71	+	3,72e-009
B3	Unknown	2B1	BTS1	2	2358	1714,714	3,749	500,000	2	21	26,62	+	3,94e-009
B4	Unknown	2B2	BTS1	8	2363	1677,510	3,564	500,000	2	22	27,78	+	1,87e-009
B5	Unknown	2B2	BTS1	8	2250	1596,289	3,623	500,000	6	22	27,92	+	1,71e-009
B6	Unknown	2B2	BTS1	8	2529	1838,570	3,933	500,000	2	22	27,57	+	2,14e-009
B7	Unknown	2B3	BTS1	14	2601	1942,562	4,209	500,000	2	23	28,08	+	1,54e-009
B8	Unknown	2B3	BTS1	14	2206	1579,255	3,664	500,000	3	23	28,64	+	1,07e-009
B9	Unknown	2B3	BTS1	14	2436	1780,682	3,765	500,000	3	23	28,25	+	1,38e-009

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10

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

Run Date: 11 Mar 2024 15:55:40

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))
4,56e-009	4,71e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,56e-009	4,71e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,56e-009	4,71e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
2,99e-009	2,91e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
2,99e-009	2,91e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
2,99e-009	2,91e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
3,14e-009	1,17e-011	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
3,14e-009	1,17e-011	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
3,14e-009	1,17e-011	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-005	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,00e-005	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-005	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
3,66e-009	3,14e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
3,66e-009	3,14e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
3,66e-009	3,14e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,90e-009	2,16e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,90e-009	2,16e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,90e-009	2,16e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,33e-009	2,37e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,33e-009	2,37e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,33e-009	2,37e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-006	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,00e-006	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,00e-006	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10

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

Run Date: 11 Mar 2024 15:55:40

Tabular Results (3 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
C1	Unknown	3A1	BTS1	3	2414	1830,271	4,010	500,000	2	21	26,56	+	4,08e-009
C2	Unknown	3A1	BTS1	3	2490	1893,243	3,971	500,000	2	21	26,36	+	4,65e-009
C3	Unknown	3A1	BTS1	3	2467	1855,143	3,831	500,000	2	21	26,36	+	4,66e-009
C4	Unknown	3A2	BTS1	9	2384	1773,057	3,796	500,000	2	21	26,72	+	3,70e-009
C5	Unknown	3A2	BTS1	9	2372	1766,371	3,801	500,000	2	21	26,62	+	3,95e-009
C6	Unknown	3A2	BTS1	9	2330	1724,923	3,734	500,000	2	20	26,64	+	3,90e-009
C7	Unknown	3A3	BTS1	15	2649	2043,343	4,218	500,000	2	21	26,64	+	3,90e-009
C8	Unknown	3A3	BTS1	15	2464	1862,043	3,924	500,000	2	21	26,83	+	3,44e-009
C9	Unknown	3A3	BTS1	15	2587	1983,676	4,113	500,000	2	22	26,75	+	3,62e-009
C10	Standard	ST-7	BTS1	---	2973	2358,673	4,689	500,000	2	16	20,99	+	1,00e-007
C11	Standard	ST-7	BTS1	---	2335	1769,193	3,905	500,000	2	15	21,58	+	1,00e-007
C12	Standard	ST-7	BTS1	---	2242	1663,279	3,749	500,000	2	15	21,76	+	1,00e-007
D1	Unknown	3B1	BTS1	4	2318	1713,529	3,703	500,000	2	21	26,28	+	4,92e-009
D2	Unknown	3B1	BTS1	4	2250	1641,386	3,510	500,000	2	21	26,29	+	4,88e-009
D3	Unknown	3B1	BTS1	4	2315	1680,900	3,502	500,000	2	21	26,20	+	5,17e-009
D4	Unknown	3B2	BTS1	10	2332	1715,214	3,621	500,000	2	21	26,43	+	4,44e-009
D5	Unknown	3B2	BTS1	10	2497	1825,771	3,699	500,000	2	21	26,28	+	4,92e-009
D6	Unknown	3B2	BTS1	10	2312	1691,035	3,601	500,000	2	20	26,44	+	4,44e-009
D7	Unknown	3B3	BTS1	16	2579	1932,863	3,925	500,000	2	23	28,26	+	1,37e-009
D8	Unknown	3B3	BTS1	16	2405	1747,983	3,633	500,000	7	23	28,48	+	1,19e-009
D9	Unknown	3B3	BTS1	16	2387	1746,385	3,515	500,000	2	23	28,51	+	1,17e-009
D10	Standard	ST-8	BTS1	---	2751	2093,891	4,016	500,000	2	20	24,95	+	1,00e-008
D11	Standard	ST-8	BTS1	---	2491	1802,896	3,450	500,000	2	20	25,25	+	1,00e-008
D12	Standard	ST-8	BTS1	---	2516	1894,951	3,889	500,000	2	20	25,20	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

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

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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))
4,46e-009	3,28e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,46e-009	3,28e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,46e-009	3,28e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
3,85e-009	1,33e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
3,85e-009	1,33e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
3,85e-009	1,33e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
3,66e-009	2,30e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
3,66e-009	2,30e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
3,66e-009	2,30e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,00e-007	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,00e-007	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-007	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
4,99e-009	1,60e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,99e-009	1,60e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,99e-009	1,60e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,60e-009	2,75e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
4,60e-009	2,75e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
4,60e-009	2,75e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,24e-009	1,10e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,24e-009	1,10e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,24e-009	1,10e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-008	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-008	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-008	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10

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

Run Date: 11 Mar 2024 15:55:40

Tabular Results (5 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
E1	Unknown	4A1	BTS1	5	2204	1600,886	3,643	500,000	2	21	26,20	+	5,17e-009
E2	Unknown	4A1	BTS1	5	2296	1691,643	3,715	500,000	2	21	26,04	+	5,74e-009
E3	Unknown	4A1	BTS1	5	2426	1761,257	3,583	500,000	2	21	25,97	+	6,01e-009
E4	Unknown	4A2	BTS1	11	2418	1729,414	3,504	500,000	2	21	25,91	+	6,22e-009
E5	Unknown	4A2	BTS1	11	2356	1715,183	3,693	500,000	3	20	25,88	+	6,36e-009
E6	Unknown	4A2	BTS1	11	2541	1852,825	3,781	500,000	2	20	25,71	+	7,07e-009
E7	Unknown	4A3	BTS1	17	2596	1946,709	4,050	500,000	2	20	26,03	+	5,78e-009
E8	Unknown	4A3	BTS1	17	2474	1802,286	3,789	500,000	7	20	26,21	+	5,12e-009
E9	Unknown	4A3	BTS1	17	2544	1879,252	3,914	500,000	7	21	26,17	+	5,26e-009
E10	Standard	ST-9	BTS1	---	2802	2126,355	4,073	500,000	3	23	28,27	+	1,00e-009
E11	Standard	ST-9	BTS1	---	2452	1808,076	3,710	500,000	2	23	28,65	+	1,00e-009
E12	Standard	ST-9	BTS1	---	2517	1884,011	3,958	500,000	2	23	28,71	+	1,00e-009
F1	Unknown	4A2	BTS1	6	2152	1574,777	3,743	500,000	2	22	27,89	+	1,73e-009
F2	Unknown	4A2	BTS1	6	2356	1754,782	3,843	500,000	2	22	27,64	+	2,04e-009
F3	Unknown	4A2	BTS1	6	2345	1711,631	3,687	500,000	2	22	27,69	+	1,98e-009
F4	Unknown	4B2	BTS1	12	2444	1797,300	3,807	500,000	7	22	28,02	+	1,60e-009
F5	Unknown	4B2	BTS1	12	2361	1710,069	3,784	500,000	7	23	28,13	+	1,49e-009
F6	Unknown	4B2	BTS1	12	2350	1688,586	3,760	500,000	2	23	27,99	+	1,63e-009
F7	Unknown	4B3	BTS1	18	2581	1883,264	3,899	500,000	2	22	27,37	+	2,44e-009
F8	Unknown	4B3	BTS1	18	2395	1739,025	3,850	500,000	7	22	27,55	+	2,16e-009
F9	Unknown	4B3	BTS1	18	2585	1942,425	4,169	500,000	7	22	27,21	+	2,69e-009
F10	Standard	ST-10	BTS1	---	2430	1796,803	3,779	500,000	3	27	32,23	+	1,00e-010
F11	Standard	ST-10	BTS1	---	2098	1497,966	3,417	500,000	2	27	32,92	+	1,00e-010
F12	Standard	ST-10	BTS1	---	2256	1643,496	3,735	500,000	7	27	32,20	+	1,00e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10

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

Run Date: 11 Mar 2024 15:55:40

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))
5,64e-009	4,29e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
5,64e-009	4,29e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
5,64e-009	4,29e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
6,55e-009	4,54e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
6,55e-009	4,54e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
6,55e-009	4,54e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
5,39e-009	3,47e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
5,39e-009	3,47e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
5,39e-009	3,47e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-009	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-009	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-009	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,92e-009	1,61e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,92e-009	1,61e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,92e-009	1,61e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,57e-009	7,08e-011	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,57e-009	7,08e-011	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
1,57e-009	7,08e-011	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
2,43e-009	2,63e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,50
2,43e-009	2,63e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
2,43e-009	2,63e-010	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-010	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-010	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-010	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10

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

Run Date: 11 Mar 2024 15:55:40

Tabular Results (7 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (ΔR)	Baseline Start Cycle	Baseline End Cycle	Cq (ΔR)	Final Call (ΔR)	Quantity (relative)
G1	No RT	2A1	BTS1	---	2043	1404,975	3,295	500,000	3	24	29,80	+	5,07e-010
G2	No RT	3A1	BTS1	---	1980	1341,540	3,079	500,000	2	26	31,81	+	1,39e-010
G3	No RT	4A1	BTS1	---	2337	1664,649	3,499	500,000	2	24	29,75	+	5,26e-010
G4	No RT	2A2	BTS1	---	2217	1542,383	3,319	500,000	3	25	30,85	+	2,59e-010
G5	No RT	3A2	BTS1	---	2231	1544,280	3,325	500,000	2	26	31,74	+	1,46e-010
G6	No RT	4A2	BTS1	---	2410	1706,440	3,576	500,000	2	26	30,91	+	2,49e-010
G7	No RT	2A3	BTS1	---	2291	1579,620	3,320	500,000	2	26	31,38	+	1,83e-010
G8	No RT	3A3	BTS1	---	2294	1614,880	3,455	500,000	2	26	31,75	+	1,45e-010
G9	No RT	4A3	BTS1	---	2472	1767,395	3,598	500,000	3	25	30,63	+	2,99e-010
G10	Standard	ST-11	BTS1	---	1953	1284,545	2,902	500,000	2	30	36,25	+	1,00e-011
G11	Standard	ST-11	BTS1	---	1943	1286,638	2,962	500,000	2	30	35,85	+	1,00e-011
H1	No RT	2B1	BTS1	---	1999	1355,573	3,138	500,000	2	27	32,75	+	7,58e-011
H2	No RT	3B1	BTS1	---	1911	1292,400	3,048	500,000	2	26	32,44	+	9,25e-011
H3	No RT	4B1	BTS1	---	2108	1443,714	3,151	500,000	2	27	33,01	+	6,45e-011
H4	No RT	2B2	BTS1	---	2035	1369,852	3,088	500,000	7	26	32,03	+	1,21e-010
H5	No RT	3B2	BTS1	---	2138	1443,638	3,177	500,000	7	26	31,78	+	1,42e-010
H6	No RT	4B2	BTS1	---	2159	1468,280	3,281	500,000	2	26	32,29	+	1,02e-010
H7	No RT	2B3	BTS1	---	2017	1354,224	3,166	500,000	2	28	33,33	+	5,22e-011
H8	No RT	3B3	BTS1	---	1969	1297,150	2,992	500,000	2	28	34,17	+	3,05e-011
H9	No RT	4B3	BTS1	---	2072	1408,818	3,183	500,000	7	27	33,02	+	6,37e-011
H10	NTC	NTC	BTS1	---	1171	547,154	1,889	500,000	3	33	39,80	+	8,10e-013
H11	NTC	NTC	BTS1	---	656	22,545	1,050	500,000	2	40	No Cq	-	No Cq
H12	NTC	NTC	BTS1	---	639	18,244	1,074	500,000	2	40	No Cq	-	No Cq

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10

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

Run Date: 11 Mar 2024 15:55:40

Tabular Results (8 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
5,07e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,39e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
5,26e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
2,59e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,46e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
2,49e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,83e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,45e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
2,99e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-011	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,00e-011	0,00e+000	0,999	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
7,58e-011	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
9,25e-011	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
6,45e-011	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,21e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,42e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
1,02e-010	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
5,22e-011	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
3,05e-011	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
6,37e-011	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	78,00
8,10e-013	N/A	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	75,50
No Cq	No Cq	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	55,00
No Cq	No Cq	No Cq for BTS1 Standards	No Cq for BTS1 Standards	No Cq for BTS1 Standards	9	Off	55,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-m-bts1-24-03-10

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

Run Date: 11 Mar 2024 15:55:40

Experiment Notes

< no experiment notes >