

bcar-q-hmg2-24-03-12 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: 13 Mar 2024 18:18:38

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 13 Mar 2024 16:29:39

Elapsed Time: 1 : 48 : 44

Report Generated: 13 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 13 Mar 2024 16:29:39

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: HMG2

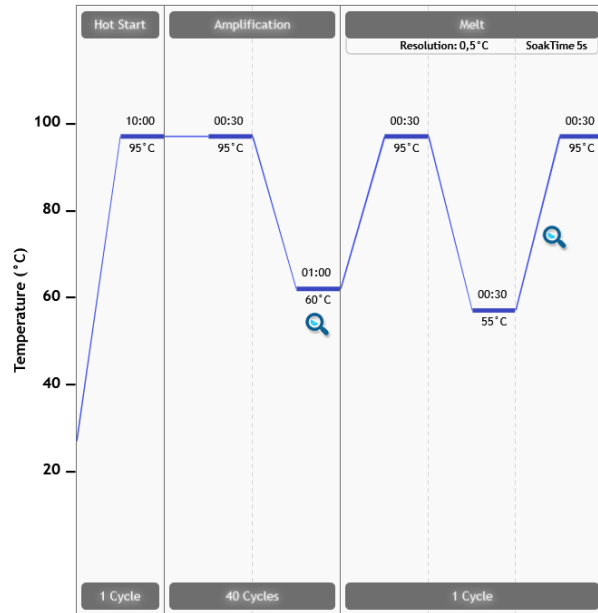
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 13 Mar 2024 16:29:39

Thermal Profile

Estimated Runtime: N/A

Total Data Collection Points: 121/2700



Instrument Name: New_Instrument

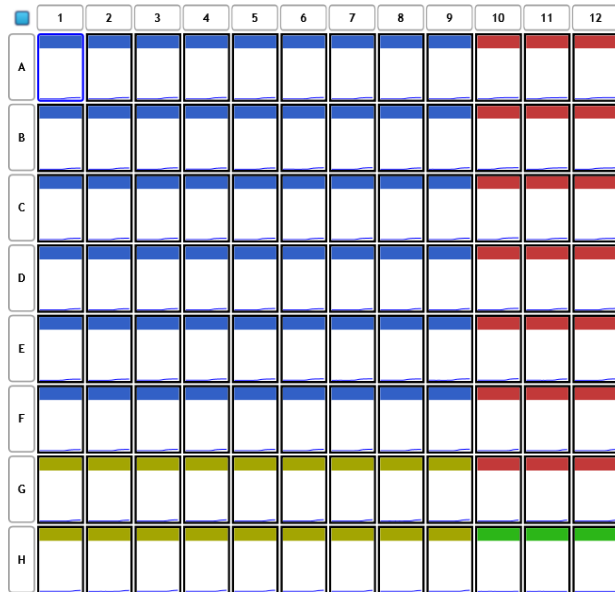
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12

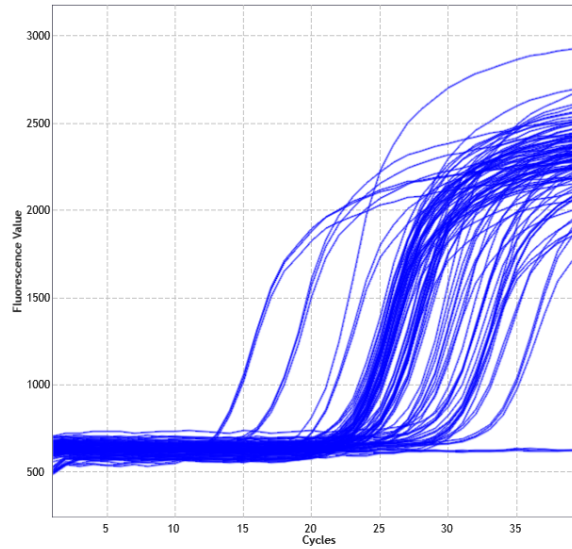
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt

Run Date: 13 Mar 2024 16:29:39

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 13 Mar 2024 16:29:39

Analysis Criteria

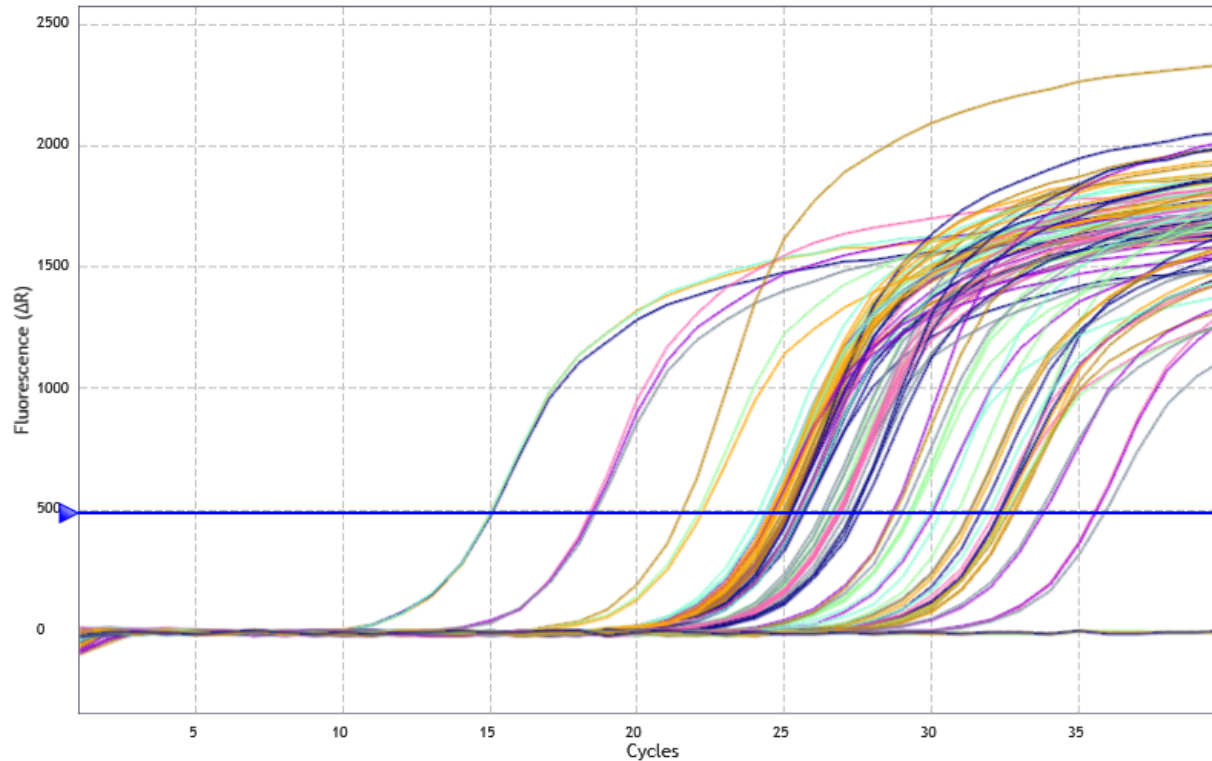
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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: HMG2

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 13 Mar 2024 16:29:39

Amplification Plots

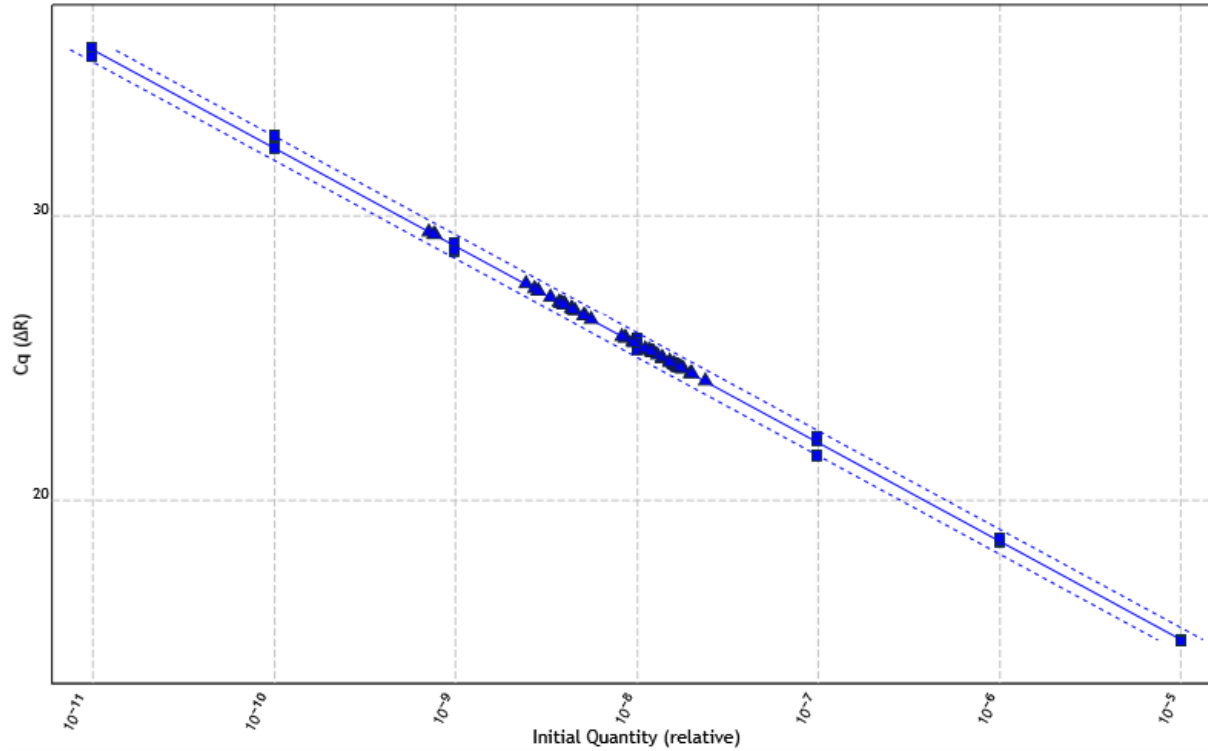


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
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Run Date: 13 Mar 2024 16:29:39

Standard Curve Plots

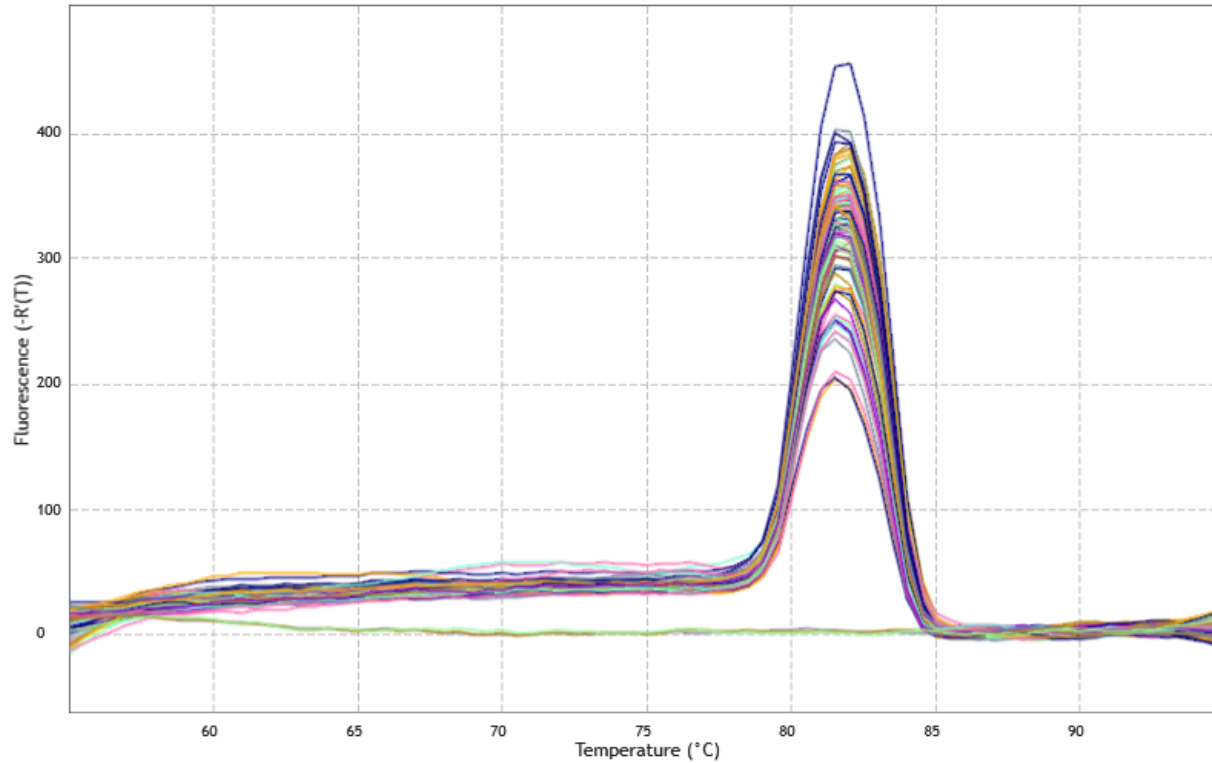


Confidence Level = 95

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 13 Mar 2024 16:29:39

Melt Raw Derivative Curve

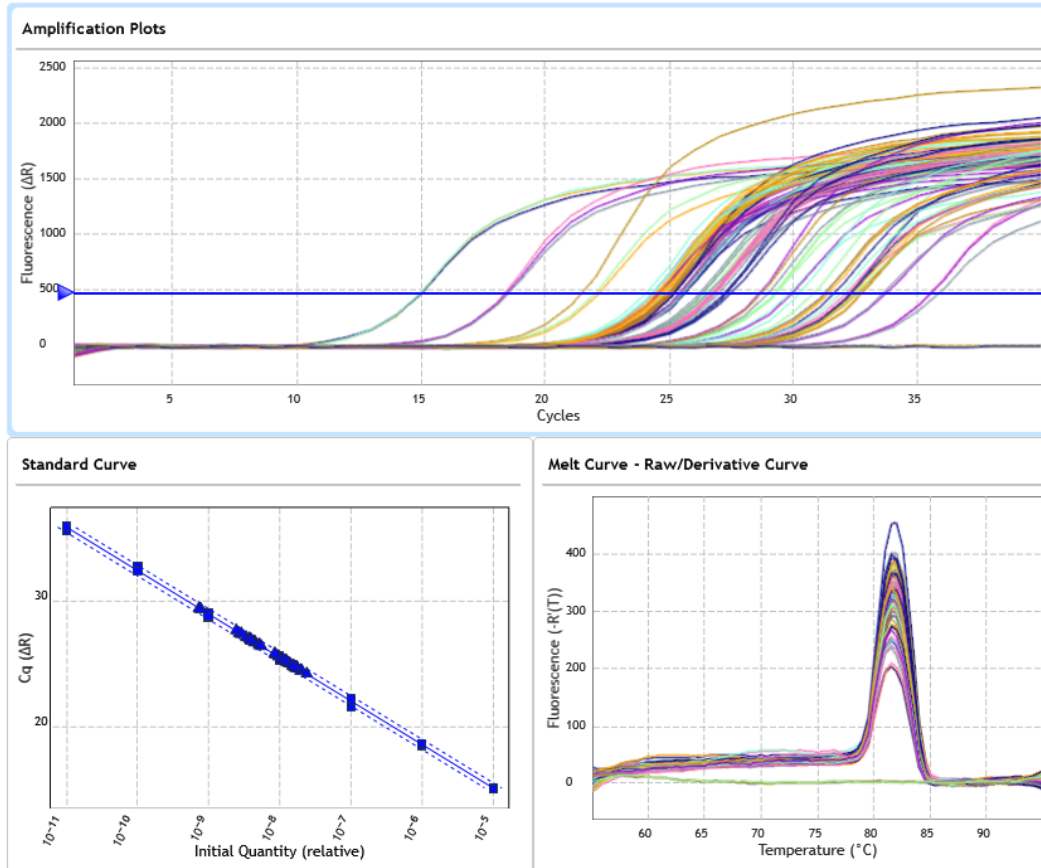


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
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Run Date: 13 Mar 2024 16:29:39

Graphical Displays



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 13 Mar 2024 16:29:39

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
HMG2	SYBR	500	0,999	-3,46	94,55

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	HMG2	1	2213	1631,819	4,152	500,000	3	19	24,74	+	1,61e-008
A2	Unknown	2A1	HMG2	1	2306	1728,850	4,302	500,000	3	19	24,65	+	1,71e-008
A3	Unknown	2A1	HMG2	1	2384	1797,551	4,464	500,000	3	18	24,59	+	1,78e-008
A4	Unknown	2A2	HMG2	7	2389	1822,333	4,577	500,000	5	19	24,97	+	1,38e-008
A5	Unknown	2A2	HMG2	7	2194	1643,956	4,345	500,000	6	19	25,15	+	1,23e-008
A6	Unknown	2A2	HMG2	7	2347	1773,467	4,657	500,000	5	19	24,98	+	1,38e-008
A7	Unknown	2A3	HMG2	13	2277	1711,627	4,628	500,000	4	20	25,15	+	1,23e-008
A8	Unknown	2A3	HMG2	13	2252	1685,647	4,486	500,000	4	20	25,17	+	1,21e-008
A9	Unknown	2A3	HMG2	13	2192	1612,569	4,256	500,000	4	20	25,23	+	1,16e-008
A10	Standard	ST-5	HMG2	---	2284	1678,286	4,514	500,000	3	9	15,03	+	1,00e-005
A11	Standard	ST-5	HMG2	---	2194	1633,952	4,388	500,000	3	8	15,08	+	1,00e-005
A12	Standard	ST-5	HMG2	---	2280	1695,929	4,419	500,000	2	9	15,04	+	1,00e-005
B1	Unknown	2B1	HMG2	2	2106	1487,843	3,619	500,000	3	20	25,67	+	8,68e-009
B2	Unknown	2B1	HMG2	2	2270	1639,211	3,691	500,000	2	20	25,54	+	9,46e-009
B3	Unknown	2B1	HMG2	2	2419	1781,493	3,840	500,000	2	20	25,31	+	1,10e-008
B4	Unknown	2B2	HMG2	8	2345	1675,657	3,526	500,000	2	21	26,72	+	4,33e-009
B5	Unknown	2B2	HMG2	8	2310	1668,860	3,655	500,000	6	21	26,64	+	4,55e-009
B6	Unknown	2B2	HMG2	8	2507	1849,257	3,899	500,000	5	21	26,46	+	5,12e-009
B7	Unknown	2B3	HMG2	14	2623	1993,400	4,204	500,000	2	21	26,95	+	3,71e-009
B8	Unknown	2B3	HMG2	14	2255	1652,000	3,746	500,000	4	21	27,33	+	2,87e-009
B9	Unknown	2B3	HMG2	14	2512	1862,846	3,913	500,000	3	21	27,10	+	3,35e-009

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12

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

Run Date: 13 Mar 2024 16:29:39

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))
1,70e-008	8,42e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,70e-008	8,42e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,70e-008	8,42e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,33e-008	8,81e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,33e-008	8,81e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,33e-008	8,81e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,20e-008	3,60e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,20e-008	3,60e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,20e-008	3,60e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-005	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-005	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-005	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
9,72e-009	1,19e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
9,72e-009	1,19e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
9,72e-009	1,19e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
4,67e-009	4,10e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
4,67e-009	4,10e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
4,67e-009	4,10e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
3,31e-009	4,19e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
3,31e-009	4,19e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
3,31e-009	4,19e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-006	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-006	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-006	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12

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

Run Date: 13 Mar 2024 16:29:39

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	HMG2	3	2392	1814,586	4,075	500,000	3	19	24,70	+	1,66e-008
C2	Unknown	3A1	HMG2	3	2461	1873,989	3,995	500,000	2	19	24,67	+	1,69e-008
C3	Unknown	3A1	HMG2	3	2436	1831,164	3,753	500,000	2	19	24,69	+	1,67e-008
C4	Unknown	3A2	HMG2	9	2378	1774,498	3,787	500,000	2	19	24,84	+	1,50e-008
C5	Unknown	3A2	HMG2	9	2434	1859,542	3,932	500,000	2	19	24,74	+	1,61e-008
C6	Unknown	3A2	HMG2	9	2333	1778,547	3,901	500,000	2	19	24,77	+	1,58e-008
C7	Unknown	3A3	HMG2	15	2577	1983,575	4,090	500,000	2	20	25,08	+	1,29e-008
C8	Unknown	3A3	HMG2	15	2520	1923,525	4,006	500,000	2	20	25,16	+	1,22e-008
C9	Unknown	3A3	HMG2	15	2445	1871,183	4,082	500,000	3	20	25,20	+	1,19e-008
C10	Standard	ST-7	HMG2	---	2939	2334,563	4,680	500,000	2	16	21,56	+	1,00e-007
C11	Standard	ST-7	HMG2	---	2336	1766,485	3,933	500,000	2	16	22,09	+	1,00e-007
C12	Standard	ST-7	HMG2	---	2260	1672,900	3,805	500,000	2	17	22,24	+	1,00e-007
D1	Unknown	3B1	HMG2	4	2305	1705,186	3,730	500,000	2	21	26,85	+	3,97e-009
D2	Unknown	3B1	HMG2	4	2266	1648,611	3,552	500,000	2	22	26,90	+	3,82e-009
D3	Unknown	3B1	HMG2	4	2346	1721,486	3,523	500,000	2	21	26,84	+	3,99e-009
D4	Unknown	3B2	HMG2	10	2334	1736,000	3,591	500,000	2	19	25,67	+	8,66e-009
D5	Unknown	3B2	HMG2	10	2481	1861,894	3,709	500,000	2	19	25,52	+	9,59e-009
D6	Unknown	3B2	HMG2	10	2258	1669,494	3,539	500,000	2	19	25,75	+	8,25e-009
D7	Unknown	3B3	HMG2	16	2201	1597,413	3,407	500,000	2	24	29,42	+	7,15e-010
D8	Unknown	3B3	HMG2	16	2386	1752,172	3,583	500,000	2	24	29,31	+	7,70e-010
D9	Unknown	3B3	HMG2	16	2313	1685,984	3,452	500,000	2	23	29,33	+	7,60e-010
D10	Standard	ST-8	HMG2	---	2711	2056,561	3,987	500,000	2	20	25,29	+	1,00e-008
D11	Standard	ST-8	HMG2	---	2396	1728,865	3,592	500,000	2	20	25,65	+	1,00e-008
D12	Standard	ST-8	HMG2	---	2445	1832,394	3,826	500,000	2	19	25,56	+	1,00e-008

Instrument Name: New_Instrument
Instrument Type: AriaMx

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Run Date: 13 Mar 2024 16:29:39

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))
1,67e-008	1,28e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,67e-008	1,28e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,67e-008	1,28e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,57e-008	5,46e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,57e-008	5,46e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,57e-008	5,46e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,23e-008	4,92e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,23e-008	4,92e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,23e-008	4,92e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,00e-007	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,00e-007	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,00e-007	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
3,93e-009	9,04e-011	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
3,93e-009	9,04e-011	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
3,93e-009	9,04e-011	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
8,83e-009	6,87e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
8,83e-009	6,87e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
8,83e-009	6,87e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
7,48e-010	2,93e-011	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
7,48e-010	2,93e-011	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
7,48e-010	2,93e-011	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-008	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-008	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-008	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50

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

Run Date: 13 Mar 2024 16:29:39

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	HMG2	5	2167	1540,816	3,588	500,000	3	19	24,66	+	1,70e-008
E2	Unknown	4A1	HMG2	5	2196	1587,894	3,559	500,000	2	19	24,67	+	1,69e-008
E3	Unknown	4A1	HMG2	5	2423	1759,057	3,558	500,000	2	19	24,44	+	1,97e-008
E4	Unknown	4A2	HMG2	11	2414	1732,605	3,499	500,000	4	18	24,43	+	1,98e-008
E5	Unknown	4A2	HMG2	11	2377	1755,825	3,685	500,000	3	18	24,41	+	2,00e-008
E6	Unknown	4A2	HMG2	11	2553	1893,336	3,782	500,000	3	19	24,15	+	2,39e-008
E7	Unknown	4A3	HMG2	17	2570	1938,648	3,948	500,000	2	19	24,59	+	1,78e-008
E8	Unknown	4A3	HMG2	17	2425	1771,581	3,702	500,000	2	20	24,82	+	1,52e-008
E9	Unknown	4A3	HMG2	17	2528	1888,977	3,907	500,000	2	19	24,64	+	1,73e-008
E10	Standard	ST-9	HMG2	---	2693	2019,527	3,943	500,000	7	23	28,74	+	1,00e-009
E11	Standard	ST-9	HMG2	---	2339	1693,196	3,593	500,000	7	23	29,02	+	1,00e-009
E12	Standard	ST-9	HMG2	---	2452	1821,049	3,874	500,000	2	23	28,79	+	1,00e-009
F1	Unknown	4A2	HMG2	6	2070	1484,643	3,670	500,000	2	21	26,69	+	4,39e-009
F2	Unknown	4A2	HMG2	6	2316	1689,383	3,797	500,000	7	21	26,48	+	5,07e-009
F3	Unknown	4A2	HMG2	6	2369	1730,057	3,684	500,000	2	21	26,34	+	5,56e-009
F4	Unknown	4B2	HMG2	12	2488	1836,982	3,869	500,000	3	22	26,84	+	3,98e-009
F5	Unknown	4B2	HMG2	12	2358	1736,869	3,779	500,000	3	22	26,91	+	3,80e-009
F6	Unknown	4B2	HMG2	12	2388	1761,014	3,731	500,000	2	21	26,84	+	3,98e-009
F7	Unknown	4B3	HMG2	18	2527	1869,086	3,817	500,000	2	21	27,42	+	2,71e-009
F8	Unknown	4B3	HMG2	18	2327	1705,329	3,735	500,000	2	21	27,59	+	2,42e-009
F9	Unknown	4B3	HMG2	18	2612	1993,428	4,240	500,000	3	21	27,35	+	2,84e-009
F10	Standard	ST-10	HMG2	---	2410	1762,465	3,789	500,000	6	27	32,47	+	1,00e-010
F11	Standard	ST-10	HMG2	---	2103	1492,344	3,476	500,000	7	27	32,82	+	1,00e-010
F12	Standard	ST-10	HMG2	---	2254	1637,738	3,713	500,000	2	27	32,38	+	1,00e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12

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

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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))
1,79e-008	1,59e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,79e-008	1,59e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,79e-008	1,59e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
2,12e-008	2,28e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
2,12e-008	2,28e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
2,12e-008	2,28e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,68e-008	1,36e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,68e-008	1,36e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,68e-008	1,36e-009	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
1,00e-009	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-009	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-009	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
5,01e-009	5,85e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
5,01e-009	5,85e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
5,01e-009	5,85e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
3,92e-009	1,06e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
3,92e-009	1,06e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
3,92e-009	1,06e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
2,66e-009	2,17e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
2,66e-009	2,17e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	82,00
2,66e-009	2,17e-010	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-010	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-010	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-010	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 13 Mar 2024 16:29:39

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	HMG2	---	2026	1385,046	3,252	500,000	2	23	29,94	+	5,07e-010
G2	No RT	3A1	HMG2	---	1910	1264,849	3,022	500,000	2	27	32,40	+	9,87e-011
G3	No RT	4A1	HMG2	---	2264	1566,363	3,184	500,000	2	24	30,05	+	4,71e-010
G4	No RT	2A2	HMG2	---	2177	1518,448	3,220	500,000	2	25	31,35	+	1,98e-010
G5	No RT	3A2	HMG2	---	2257	1590,893	3,359	500,000	2	25	31,37	+	1,95e-010
G6	No RT	4A2	HMG2	---	2379	1694,658	3,483	500,000	2	25	30,89	+	2,68e-010
G7	No RT	2A3	HMG2	---	2281	1578,960	3,254	500,000	2	26	31,52	+	1,77e-010
G8	No RT	3A3	HMG2	---	2302	1548,953	3,242	500,000	3	26	31,75	+	1,52e-010
G9	No RT	4A3	HMG2	---	2471	1765,339	3,530	500,000	2	25	30,35	+	3,85e-010
G10	Standard	ST-11	HMG2	---	1996	1324,478	2,975	500,000	2	30	35,60	+	1,00e-011
G11	Standard	ST-11	HMG2	---	1945	1288,587	2,956	500,000	2	30	35,64	+	1,00e-011
G12	Standard	ST-11	HMG2	---	1788	1127,313	2,781	500,000	2	30	35,92	+	1,00e-011
H1	No RT	2B1	HMG2	---	1971	1322,698	3,085	500,000	2	27	32,69	+	8,10e-011
H2	No RT	3B1	HMG2	---	1896	1266,560	3,019	500,000	2	27	32,61	+	8,55e-011
H3	No RT	4B1	HMG2	---	2133	1468,117	3,146	500,000	2	27	32,53	+	9,04e-011
H4	No RT	2B2	HMG2	---	2126	1465,720	3,150	500,000	2	26	32,41	+	9,80e-011
H5	No RT	3B2	HMG2	---	2151	1449,609	3,051	500,000	2	25	31,96	+	1,32e-010
H6	No RT	4B2	HMG2	---	2113	1437,880	3,098	500,000	2	26	32,21	+	1,12e-010
H7	No RT	2B3	HMG2	---	1998	1348,151	3,055	500,000	2	27	33,86	+	3,74e-011
H8	No RT	3B3	HMG2	---	1930	1274,035	2,951	500,000	3	27	33,72	+	4,08e-011
H9	No RT	4B3	HMG2	---	2110	1443,324	3,207	500,000	2	27	32,88	+	7,18e-011
H10	NTC	NTC	HMG2	---	631	3,186	1,016	500,000	3	40	No Cq	-	No Cq
H11	NTC	NTC	HMG2	---	629	1,122	0,998	500,000	2	40	No Cq	-	No Cq
H12	NTC	NTC	HMG2	---	632	6,997	1,033	500,000	2	40	No Cq	-	No Cq

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12

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

Run Date: 13 Mar 2024 16:29:39

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))
5,07e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
9,87e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
4,71e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,98e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,95e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
2,68e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,77e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,52e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
3,85e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-011	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-011	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,00e-011	0,00e+000	0,999	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
8,10e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
8,55e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
9,04e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
9,80e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,32e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
1,12e-010	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
3,74e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
4,08e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
7,18e-011	N/A	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	81,50
No Cq	No Cq	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	55,00
No Cq	No Cq	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	57,00
No Cq	No Cq	No Cq for HMG2 Standards	No Cq for HMG2 Standards	No Cq for HMG2 Standards	9	Off	58,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-q-hmg2-24-03-12

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

Run Date: 13 Mar 2024 16:29:39

Experiment Notes

< no experiment notes >