

bcar-g-hmg1-24-03-08 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: 08 Mar 2024 22:21:14

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 09 Mar 2024 16:20:58

Elapsed Time: 1 : 48 : 54

Report Generated: 09 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

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	Standard	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: HMG1

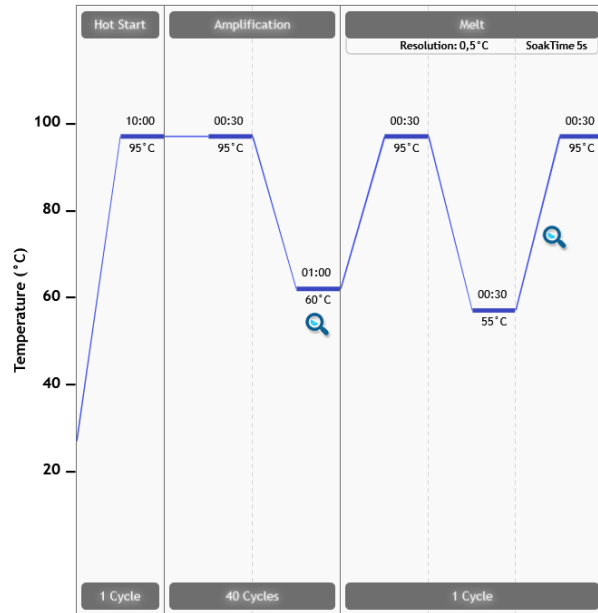
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

Thermal Profile

Estimated Runtime: N/A

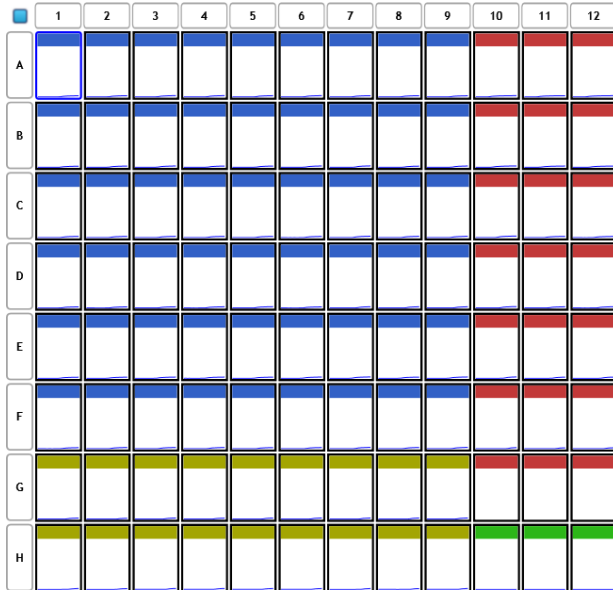
Total Data Collection Points: 121/2700



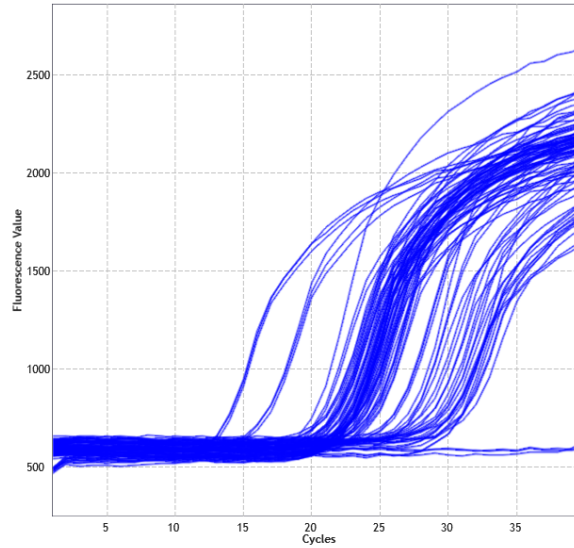
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

Analysis Criteria

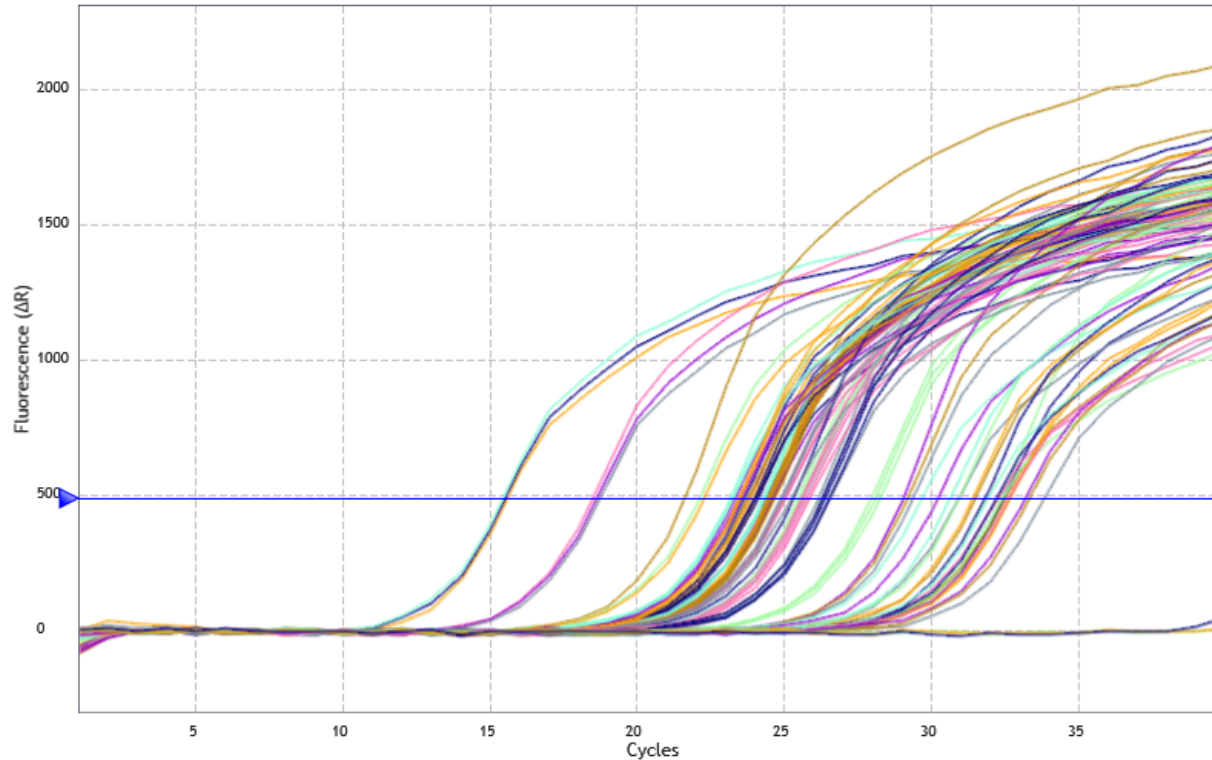
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown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

gets: HMG1

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

Amplification Plots

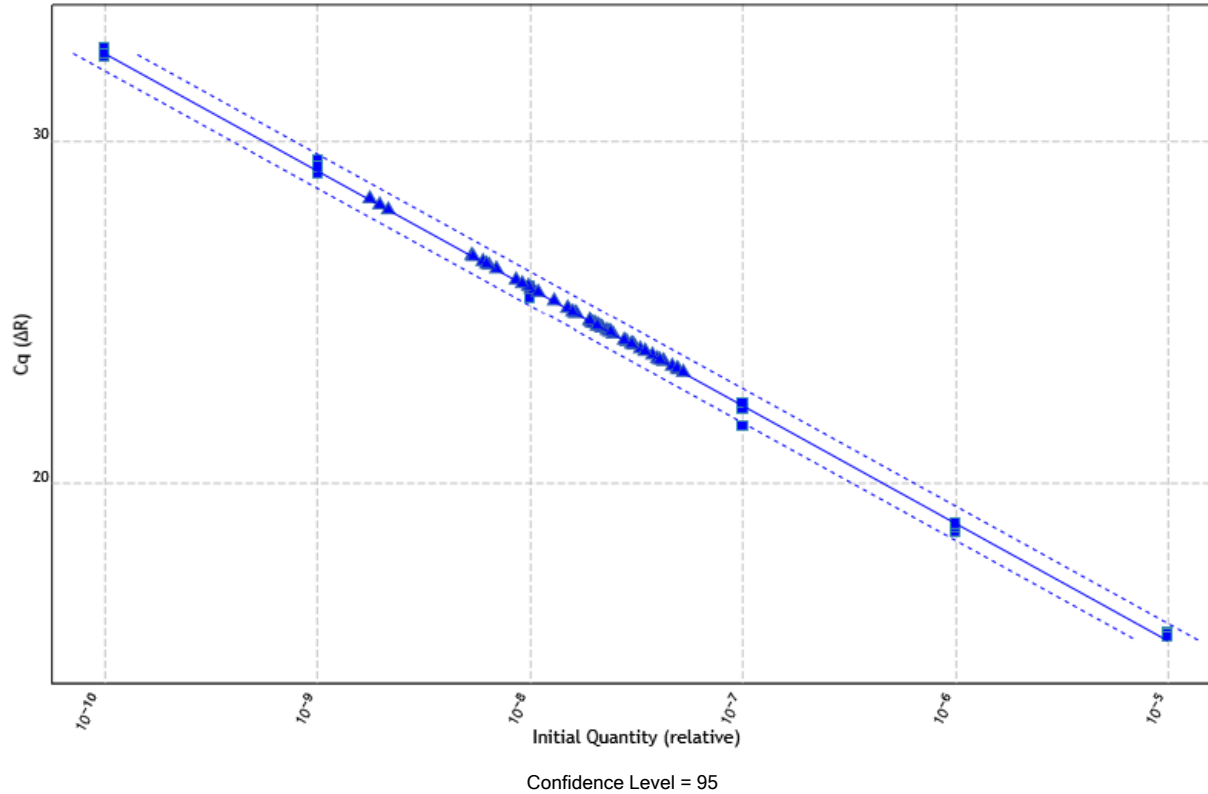


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

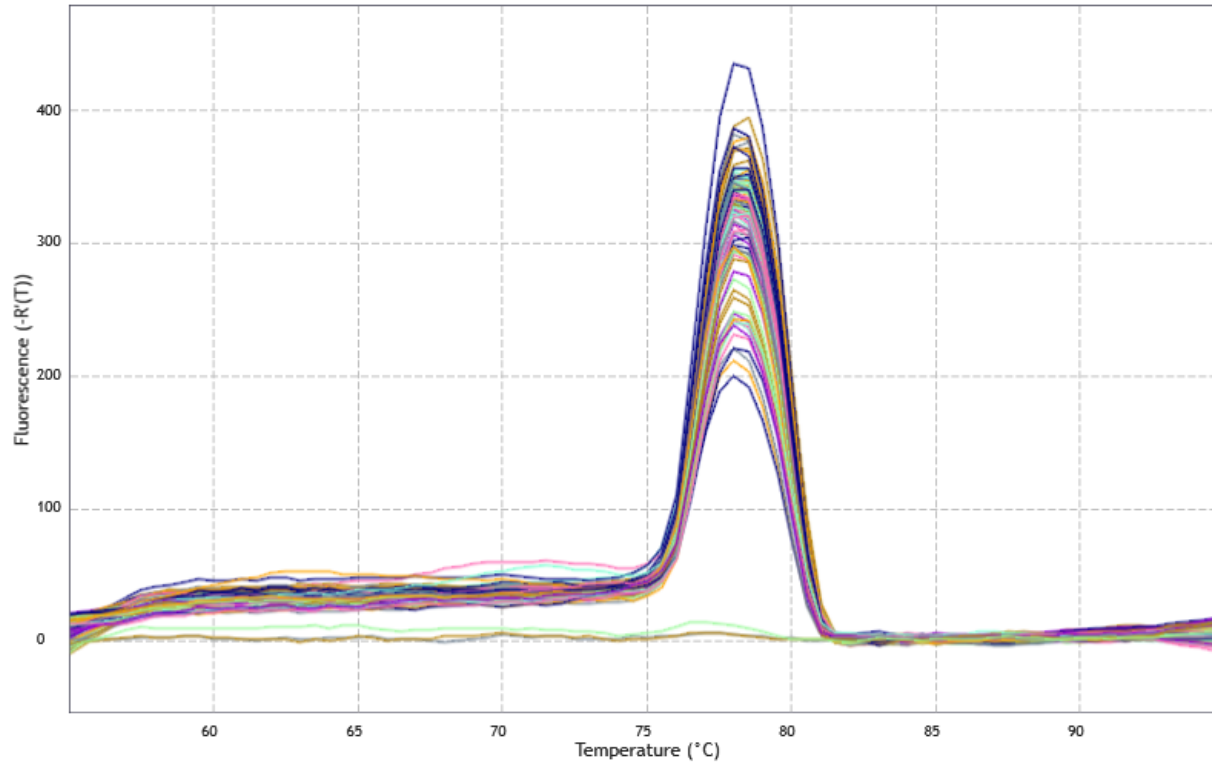
Standard Curve Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

Melt Raw Derivative Curve

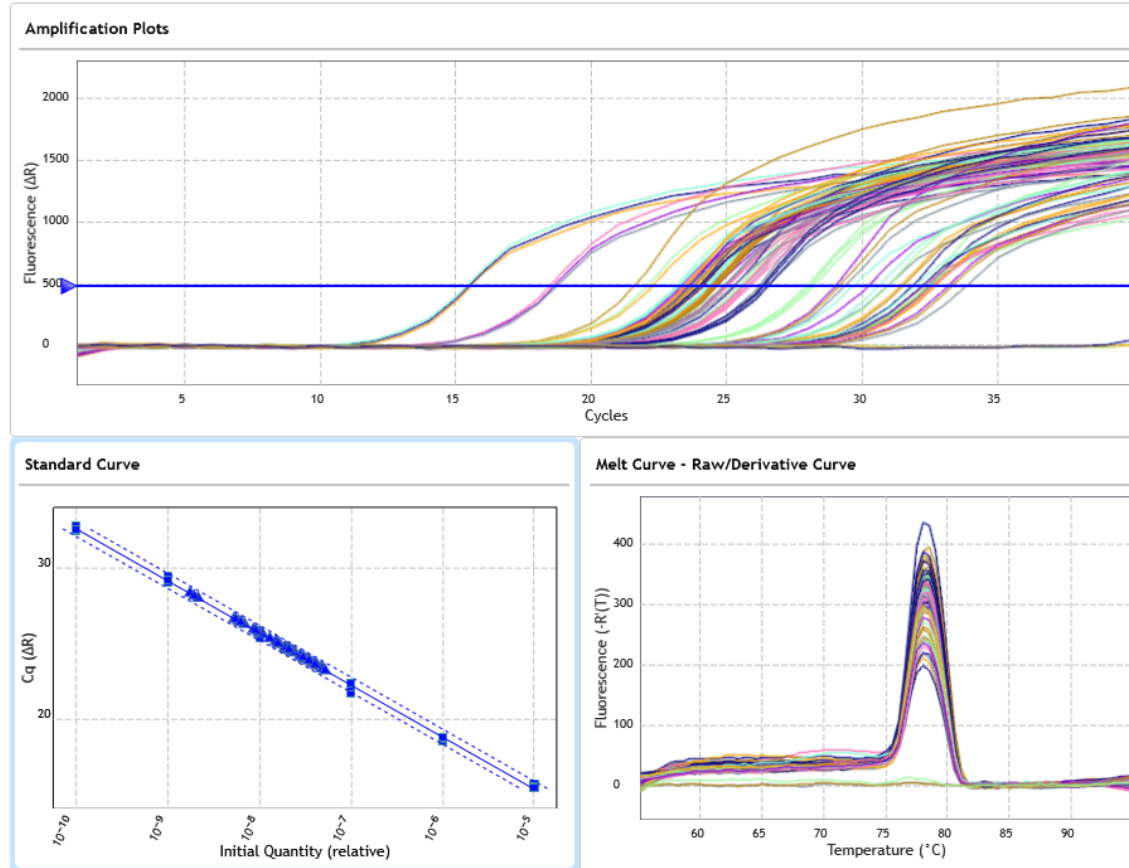


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

Graphical Displays



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
HMG1	SYBR	500	0,999	-3,437	95,42

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	HMG1	1	2057	1532,705	4,106	500,000	3	17	24,13	+	2,84e-008
A2	Unknown	2A1	HMG1	1	2120	1593,897	4,173	500,000	2	18	24,00	+	3,08e-008
A3	Unknown	2A1	HMG1	1	2217	1678,012	4,425	500,000	4	18	23,91	+	3,28e-008
A4	Unknown	2A2	HMG1	7	2196	1653,701	4,410	500,000	4	19	24,66	+	1,99e-008
A5	Unknown	2A2	HMG1	7	2147	1600,373	4,337	500,000	3	19	24,73	+	1,89e-008
A6	Unknown	2A2	HMG1	7	2184	1623,254	4,485	500,000	4	19	24,70	+	1,93e-008
A7	Unknown	2A3	HMG1	13	2126	1590,066	4,466	500,000	4	19	24,55	+	2,13e-008
A8	Unknown	2A3	HMG1	13	2122	1589,806	4,287	500,000	4	18	24,54	+	2,16e-008
A9	Unknown	2A3	HMG1	13	2003	1467,328	3,974	500,000	3	18	24,68	+	1,96e-008
A10	Standard	ST-5	HMG1	---	2175	1387,000	4,403	500,000	6	9	15,65	+	1,00e-005
A11	Standard	ST-5	HMG1	---	2135	1512,000	4,366	500,000	5	9	15,57	+	1,00e-005
A12	Standard	ST-5	HMG1	---	2169	1583,750	4,329	500,000	2	9	15,49	+	1,00e-005
B1	Unknown	2B1	HMG1	2	1981	1403,941	3,488	500,000	2	18	24,45	+	2,28e-008
B2	Unknown	2B1	HMG1	2	2167	1574,868	3,673	500,000	2	18	24,17	+	2,76e-008
B3	Unknown	2B1	HMG1	2	2249	1650,250	3,805	500,000	2	18	24,04	+	3,01e-008
B4	Unknown	2B2	HMG1	8	2184	1540,889	3,483	500,000	3	20	25,68	+	1,00e-008
B5	Unknown	2B2	HMG1	8	2169	1557,203	3,670	500,000	3	20	25,64	+	1,03e-008
B6	Unknown	2B2	HMG1	8	2255	1624,163	3,816	500,000	3	20	25,56	+	1,09e-008
B7	Unknown	2B3	HMG1	14	2360	1765,895	4,069	500,000	3	21	26,23	+	6,91e-009
B8	Unknown	2B3	HMG1	14	2046	1460,929	3,540	500,000	2	21	26,63	+	5,29e-009
B9	Unknown	2B3	HMG1	14	2264	1644,586	3,681	500,000	2	21	26,37	+	6,33e-009

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08

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

Run Date: 09 Mar 2024 16:20:58

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))
3,07e-008	2,24e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
3,07e-008	2,24e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
3,07e-008	2,24e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,94e-008	5,15e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,94e-008	5,15e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
1,94e-008	5,15e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,08e-008	1,08e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,08e-008	1,08e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,08e-008	1,08e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-005	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-005	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-005	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,69e-008	3,72e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,69e-008	3,72e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,69e-008	3,72e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,04e-008	4,47e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
1,04e-008	4,47e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
1,04e-008	4,47e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
6,17e-009	8,18e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
6,17e-009	8,18e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
6,17e-009	8,18e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-006	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-006	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-006	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08

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

Run Date: 09 Mar 2024 16:20:58

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	HMG1	3	2226	1683,544	3,898	500,000	2	18	24,35	+	2,45e-008
C2	Unknown	3A1	HMG1	3	2210	1667,853	3,791	500,000	2	18	24,42	+	2,33e-008
C3	Unknown	3A1	HMG1	3	2261	1688,667	3,737	500,000	2	19	24,40	+	2,36e-008
C4	Unknown	3A2	HMG1	9	2224	1642,640	3,634	500,000	2	19	24,58	+	2,09e-008
C5	Unknown	3A2	HMG1	9	2194	1645,209	3,842	500,000	2	19	24,52	+	2,17e-008
C6	Unknown	3A2	HMG1	9	2123	1588,261	3,771	500,000	2	19	24,61	+	2,05e-008
C7	Unknown	3A3	HMG1	15	2420	1856,925	4,137	500,000	2	19	24,59	+	2,08e-008
C8	Unknown	3A3	HMG1	15	2264	1708,926	3,811	500,000	2	18	24,73	+	1,89e-008
C9	Unknown	3A3	HMG1	15	2323	1790,588	4,075	500,000	2	18	24,60	+	2,06e-008
C10	Standard	ST-7	HMG1	---	2651	2097,913	4,493	500,000	2	16	21,66	+	1,00e-007
C11	Standard	ST-7	HMG1	---	2194	1664,569	3,816	500,000	2	16	22,16	+	1,00e-007
C12	Standard	ST-7	HMG1	---	2110	1582,129	3,748	500,000	2	16	22,34	+	1,00e-007
D1	Unknown	3B1	HMG1	4	2127	1577,779	3,693	500,000	2	18	25,08	+	1,49e-008
D2	Unknown	3B1	HMG1	4	2072	1502,805	3,380	500,000	2	19	25,09	+	1,48e-008
D3	Unknown	3B1	HMG1	4	2143	1557,574	3,402	500,000	2	19	24,97	+	1,61e-008
D4	Unknown	3B2	HMG1	10	2163	1584,265	3,506	500,000	2	18	23,83	+	3,46e-008
D5	Unknown	3B2	HMG1	10	2287	1692,921	3,659	500,000	3	18	23,71	+	3,74e-008
D6	Unknown	3B2	HMG1	10	2018	1452,441	3,363	500,000	2	18	24,05	+	2,99e-008
D7	Unknown	3B3	HMG1	16	2214	1622,145	3,498	500,000	2	22	27,98	+	2,14e-009
D8	Unknown	3B3	HMG1	16	2173	1570,180	3,433	500,000	2	23	28,29	+	1,74e-009
D9	Unknown	3B3	HMG1	16	2183	1577,193	3,353	500,000	2	22	28,13	+	1,94e-009
D10	Standard	ST-8	HMG1	---	2439	1838,914	3,758	500,000	3	19	25,39	+	1,00e-008
D11	Standard	ST-8	HMG1	---	2210	1584,989	3,559	500,000	6	19	25,77	+	1,00e-008
D12	Standard	ST-8	HMG1	---	2233	1649,512	3,673	500,000	2	20	25,67	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08

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

Run Date: 09 Mar 2024 16:20:58

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))
2,38e-008	5,93e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,38e-008	5,93e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,38e-008	5,93e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,11e-008	6,26e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,11e-008	6,26e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,11e-008	6,26e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,01e-008	1,08e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,01e-008	1,08e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
2,01e-008	1,08e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
1,00e-007	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-007	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-007	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,53e-008	7,24e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,53e-008	7,24e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,53e-008	7,24e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
3,39e-008	3,79e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
3,39e-008	3,79e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
3,39e-008	3,79e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
1,94e-009	1,99e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,94e-009	1,99e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,94e-009	1,99e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-008	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-008	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-008	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08

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

Run Date: 09 Mar 2024 16:20:58

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	HMG1	5	2029	1458,609	3,523	500,000	2	17	23,63	+	3,95e-008
E2	Unknown	4A1	HMG1	5	2083	1514,226	3,555	500,000	2	17	23,53	+	4,22e-008
E3	Unknown	4A1	HMG1	5	2206	1584,593	3,518	500,000	2	17	23,39	+	4,64e-008
E4	Unknown	4A2	HMG1	11	2187	1558,943	3,417	500,000	2	17	23,30	+	4,95e-008
E5	Unknown	4A2	HMG1	11	2091	1518,058	3,526	500,000	2	16	23,32	+	4,87e-008
E6	Unknown	4A2	HMG1	11	2240	1632,527	3,619	500,000	3	16	23,21	+	5,24e-008
E7	Unknown	4A3	HMG1	17	2391	1779,853	3,926	500,000	2	18	23,54	+	4,20e-008
E8	Unknown	4A3	HMG1	17	2153	1551,647	3,489	500,000	2	17	23,83	+	3,46e-008
E9	Unknown	4A3	HMG1	17	2341	1744,396	3,800	500,000	2	17	23,59	+	4,07e-008
E10	Standard	ST-9	HMG1	---	2444	1810,067	3,801	500,000	2	24	29,08	+	1,00e-009
E11	Standard	ST-9	HMG1	---	2146	1520,261	3,353	500,000	2	24	29,45	+	1,00e-009
E12	Standard	ST-9	HMG1	---	2193	1604,058	3,686	500,000	2	23	29,24	+	1,00e-009
F1	Unknown	4A2	HMG1	6	1947	1397,951	3,540	500,000	3	18	25,31	+	1,28e-008
F2	Unknown	4A2	HMG1	6	2194	1620,137	3,789	500,000	2	19	24,94	+	1,65e-008
F3	Unknown	4A2	HMG1	6	2163	1567,945	3,599	500,000	2	19	25,00	+	1,58e-008
F4	Unknown	4B2	HMG1	12	2181	1583,286	3,684	500,000	2	20	25,73	+	9,70e-009
F5	Unknown	4B2	HMG1	12	2018	1434,987	3,559	500,000	3	20	25,92	+	8,52e-009
F6	Unknown	4B2	HMG1	12	2110	1513,275	3,564	500,000	3	20	25,83	+	9,08e-009
F7	Unknown	4B3	HMG1	18	2314	1683,757	3,661	500,000	2	21	26,46	+	5,93e-009
F8	Unknown	4B3	HMG1	18	2196	1604,143	3,666	500,000	2	21	26,61	+	5,38e-009
F9	Unknown	4B3	HMG1	18	2332	1751,471	3,946	500,000	2	21	26,39	+	6,23e-009
F10	Standard	ST-10	HMG1	---	2100	1502,379	3,454	500,000	3	26	32,46	+	1,00e-010
F11	Standard	ST-10	HMG1	---	1810	1243,760	3,105	500,000	2	26	32,75	+	1,00e-010
F12	Standard	ST-10	HMG1	---	1858	1295,720	3,294	500,000	2	26	32,55	+	1,00e-010

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 09 Mar 2024 16:20:58

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))
4,27e-008	3,45e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
4,27e-008	3,45e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
4,27e-008	3,45e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
5,02e-008	1,93e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
5,02e-008	1,93e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
5,02e-008	1,93e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
3,91e-008	3,97e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
3,91e-008	3,97e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
3,91e-008	3,97e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-009	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-009	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-009	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,50e-008	1,94e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,50e-008	1,94e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,50e-008	1,94e-009	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
9,10e-009	5,89e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
9,10e-009	5,89e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
9,10e-009	5,89e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
5,85e-009	4,30e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
5,85e-009	4,30e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,50
5,85e-009	4,30e-010	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-010	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-010	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,00e-010	0,00e+000	0,999	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08

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

Run Date: 09 Mar 2024 16:20:58

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	HMG1	---	1922	1296,857	3,141	500,000	2	24	29,75	+	6,54e-010
G2	No RT	3A1	HMG1	---	1668	1067,361	2,743	500,000	2	25	32,35	+	1,15e-010
G3	No RT	4A1	HMG1	---	1995	1362,373	3,117	500,000	2	24	30,30	+	4,54e-010
G4	No RT	2A2	HMG1	---	1861	1237,021	2,917	500,000	2	25	30,98	+	2,88e-010
G5	No RT	3A2	HMG1	---	1957	1329,980	3,121	500,000	2	26	31,57	+	1,93e-010
G6	No RT	4A2	HMG1	---	2049	1412,847	3,192	500,000	7	24	30,98	+	2,87e-010
G7	No RT	2A3	HMG1	---	2019	1372,975	3,185	500,000	3	26	31,49	+	2,04e-010
G8	No RT	3A3	HMG1	---	2023	1386,400	3,186	500,000	2	26	31,89	+	1,56e-010
G9	No RT	4A3	HMG1	---	2083	1417,514	3,132	500,000	2	25	30,71	+	3,45e-010
H1	No RT	2B1	HMG1	---	1817	1185,480	2,954	500,000	2	26	32,61	+	9,66e-011
H2	No RT	3B1	HMG1	---	1654	1040,507	2,703	500,000	2	25	32,52	+	1,03e-010
H3	No RT	4B1	HMG1	---	1878	1233,040	2,907	500,000	2	26	32,75	+	8,75e-011
H4	No RT	2B2	HMG1	---	1836	1183,609	2,851	500,000	3	26	32,30	+	1,19e-010
H5	No RT	3B2	HMG1	---	1793	1146,520	2,810	500,000	3	26	31,98	+	1,47e-010
H6	No RT	4B2	HMG1	---	1754	1103,039	2,703	500,000	3	26	32,72	+	8,98e-011
H7	No RT	2B3	HMG1	---	1771	1149,497	2,875	500,000	3	27	33,27	+	6,20e-011
H8	No RT	3B3	HMG1	---	1737	1101,127	2,693	500,000	2	27	33,89	+	4,09e-011
H9	No RT	4B3	HMG1	---	1799	1160,820	2,793	500,000	2	26	33,41	+	5,64e-011
H10	NTC	NTC	HMG1	---	609	11,426	1,013	500,000	2	40	No Cq	-	No Cq
H11	NTC	NTC	HMG1	---	604	10,021	1,015	500,000	2	40	No Cq	-	No Cq
H12	NTC	NTC	HMG1	---	635	52,036	1,110	500,000	2	40	No Cq	-	No Cq

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08

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

Run Date: 09 Mar 2024 16:20:58

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))
6,54e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,15e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
4,54e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,88e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,93e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,87e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
2,04e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,56e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
3,45e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
9,66e-011	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,03e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
8,75e-011	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,19e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
1,47e-010	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
8,98e-011	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
6,20e-011	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
4,09e-011	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
5,64e-011	N/A	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	78,00
No Cq	No Cq	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	95,00
No Cq	No Cq	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	95,00
No Cq	No Cq	No Cq for HMG1 Standards	No Cq for HMG1 Standards	No Cq for HMG1 Standards	9	Off	77,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-g-hmg1-24-03-08

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

Run Date: 09 Mar 2024 16:20:58

Experiment Notes

< no experiment notes >