

bcar-f-mvd1-24-03-07 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: 07 Mar 2024 17:39:20

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 08 Mar 2024 15:24:32

Elapsed Time: 1 : 48 : 49

Report Generated: 07 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Plate Setup

	1	2	3	4	5	6	7	8	9	10	11	12
A	2A1 1	2A1 1	2A1 1	2A2 7	2A2 7	2A2 7	2A3 13	2A3 13	2A3 13	ST-5	ST-5	ST-5
B	2B1 2	2B1 2	2B1 2	2B2 8	2B2 8	2B2 8	2B3 14	2B3 14	2B3 14	ST-6	ST-6	ST-6
C	3A1 3	3A1 3	3A1 3	3A2 9	3A2 9	3A2 9	3A3 15	3A3 15	3A3 15	ST-7	ST-7	ST-7
D	3B1 4	3B1 4	3B1 4	3B2 10	3B2 10	3B2 10	3B3 16	3B3 16	3B3 16	ST-8	ST-8	ST-8
E	4A1 5	4A1 5	4A1 5	4A2 11	4A2 11	4A2 11	4A3 17	4A3 17	4A3 17	ST-9	ST-9	ST-9
F	4A2 6	4A2 6	4A2 6	4B2 12	4B2 12	4B2 12	4B3 18	4B3 18	4B3 18	ST-10	ST-10	ST-10
G	2A1	3A1	4A1	2A2	3A2	4A2	2A3	3A3	4A3	ST-11	ST-11	ST-11
H	2B1	3B1	4B1	2B2	3B2	4B2	2B3	3B3	4B3	NTC	NTC	NTC

gets: MVD1

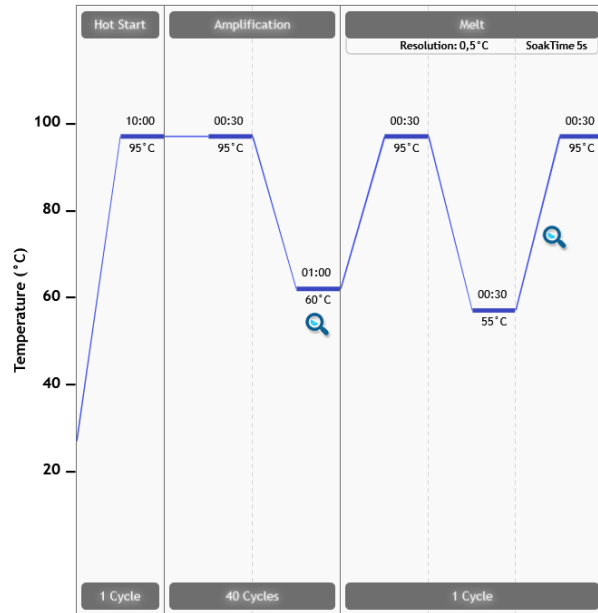
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Thermal Profile

Estimated Runtime: N/A

Total Data Collection Points: 121/2700



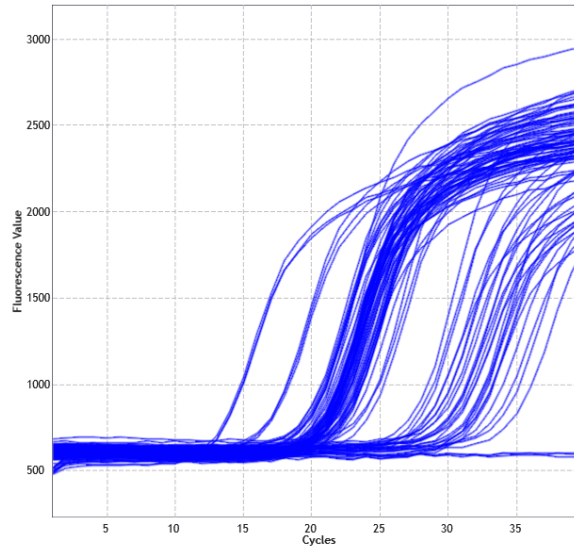
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Analysis Criteria

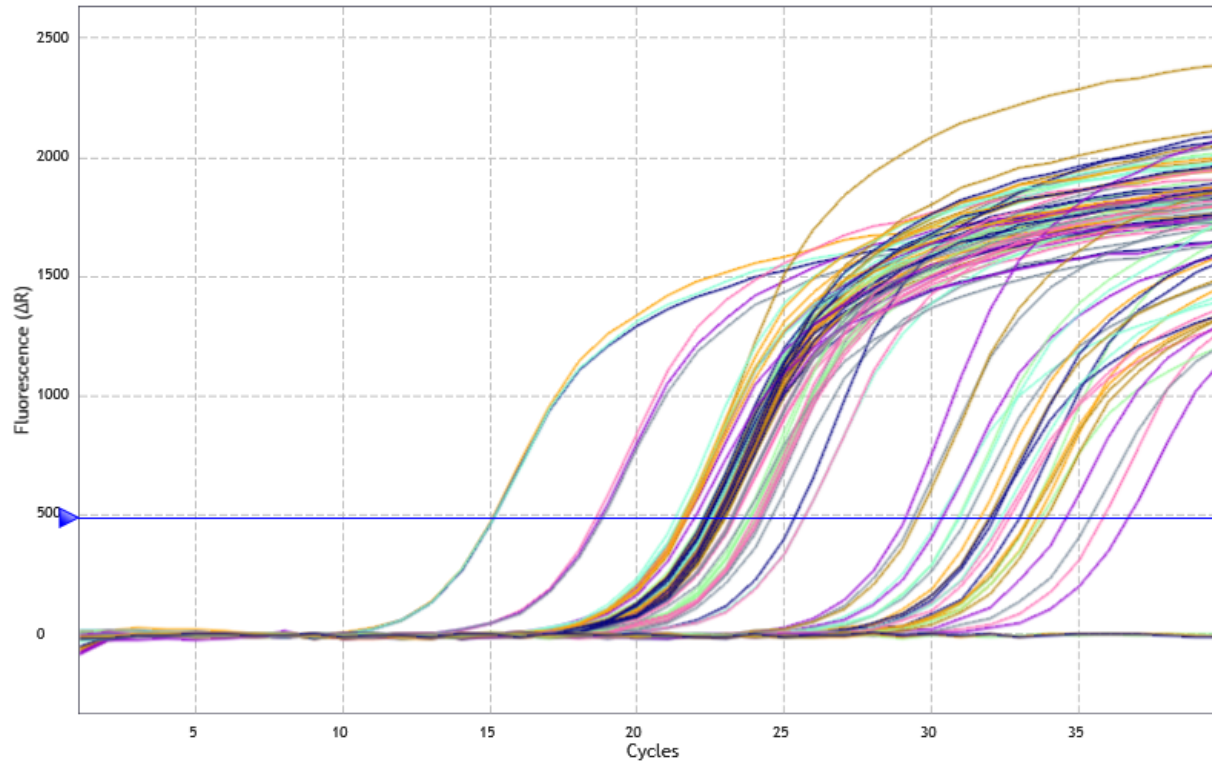
	1	2	3	4	5	6	7	8	9	10	11	12
A	2A1 1	2A1 1	2A1 1	2A2 7	2A2 7	2A2 7	2A3 13	2A3 13	2A3 13	ST-5 S	ST-5 S	ST-5 S
B	2B1 2	2B1 2	2B1 2	2B2 8	2B2 8	2B2 8	2B3 14	2B3 14	2B3 14	ST-6 S	ST-6 S	ST-6 S
C	3A1 3	3A1 3	3A1 3	3A2 9	3A2 9	3A2 9	3A3 15	3A3 15	3A3 15	ST-7 S	ST-7 S	ST-7 S
D	3B1 4	3B1 4	3B1 4	3B2 10	3B2 10	3B2 10	3B3 16	3B3 16	3B3 16	ST-8 S	ST-8 S	ST-8 S
E	4A1 5	4A1 5	4A1 5	4A2 11	4A2 11	4A2 11	4A3 17	4A3 17	4A3 17	ST-9 S	ST-9 S	ST-9 S
F	4A2 6	4A2 6	4A2 6	4B2 12	4B2 12	4B2 12	4B3 18	4B3 18	4B3 18	ST-10 S	ST-10 S	ST-10 S
G	2A1	3A1	4A1	2A2	3A2	4A2	2A3	3A3	4A3	ST-11 S	ST-11 S	ST-11
H	2B1	3B1	4B1	2B2	3B2	4B2	2B3	3B3	4B3	NTC	NTC	NTC

gets: MVD1

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Amplification Plots

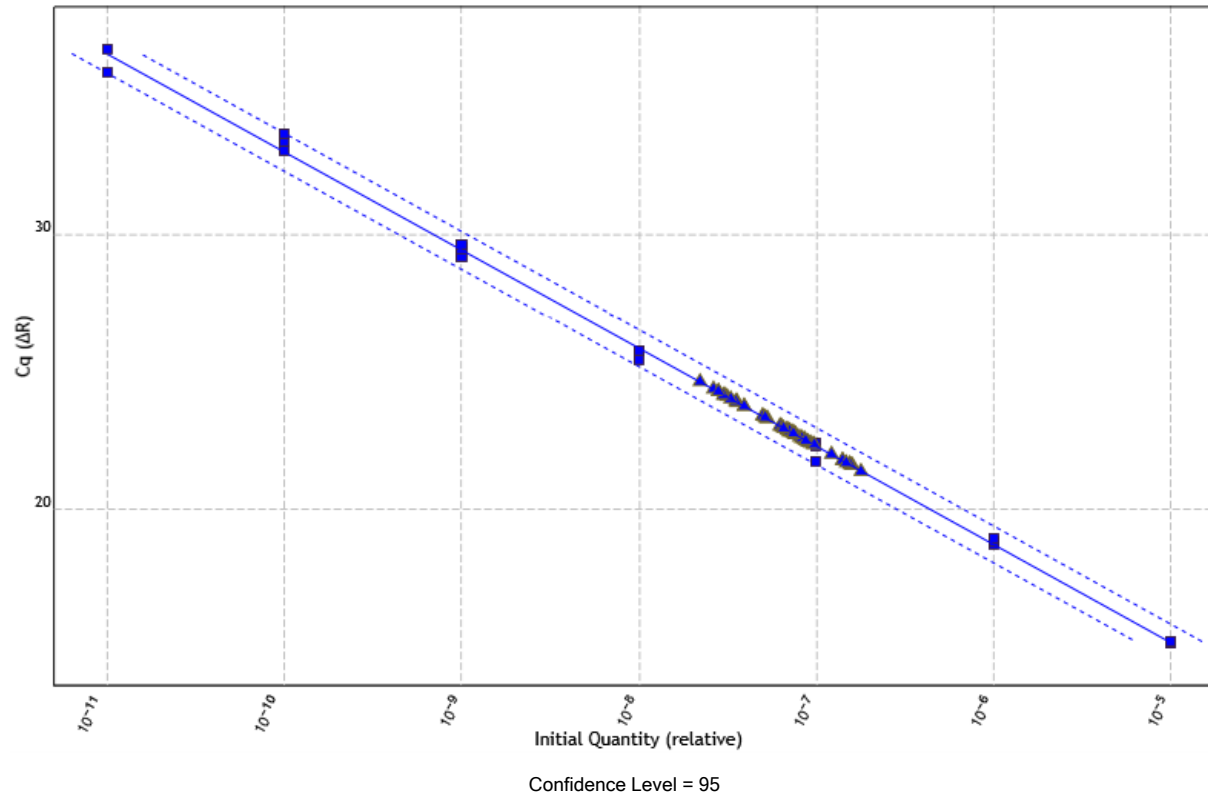


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

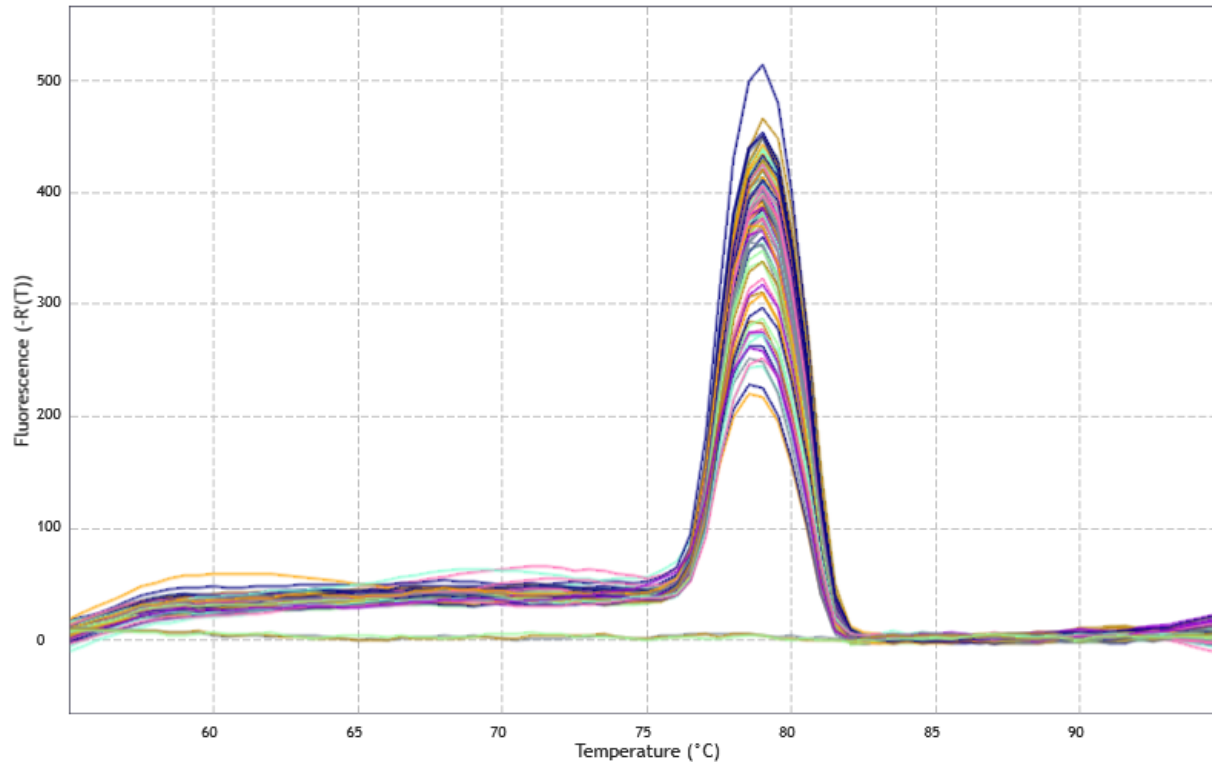
Standard Curve Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Melt Raw Derivative Curve

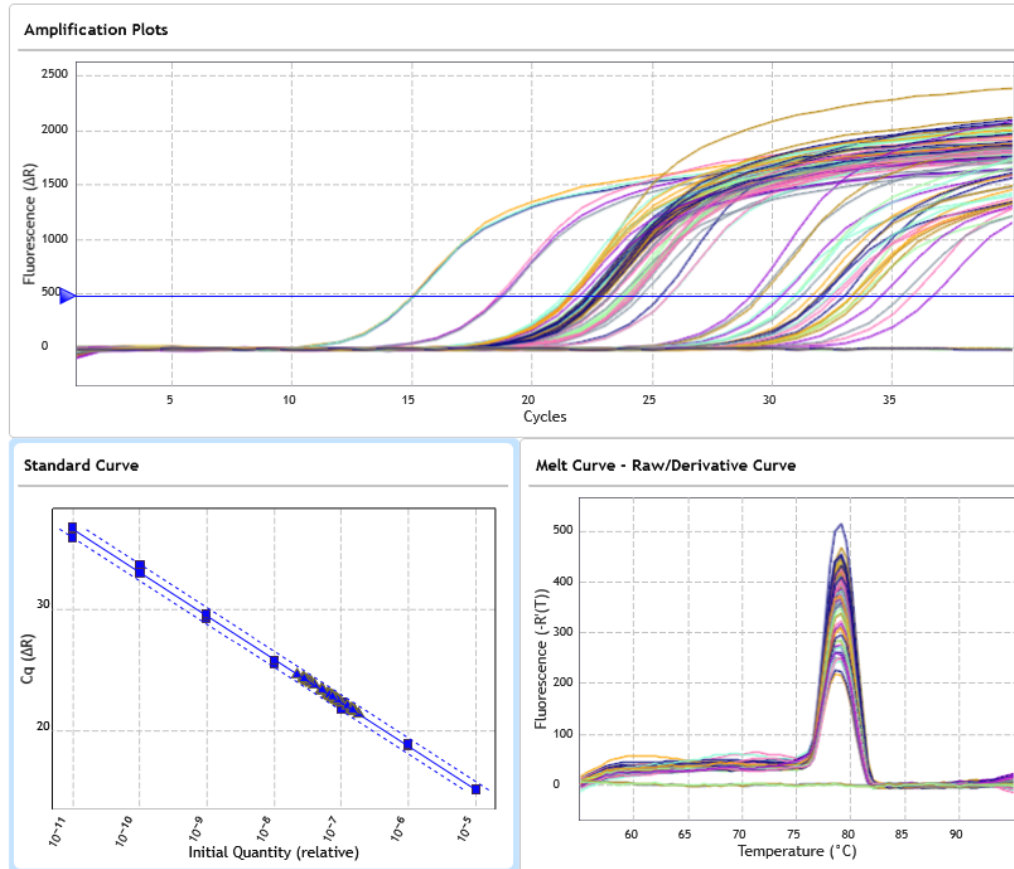


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Graphical Displays



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
MVD1	SYBR	500	0,998	-3,578	90,33

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	MVD1	1	2339	1769,576	4,447	500,000	4	17	22,51	+	8,52e-008
A2	Unknown	2A1	MVD1	1	2378	1833,736	4,582	500,000	4	16	22,37	+	9,33e-008
A3	Unknown	2A1	MVD1	1	2440	1855,286	4,665	500,000	4	17	22,34	+	9,55e-008
A4	Unknown	2A2	MVD1	7	2572	1995,969	4,946	500,000	3	17	22,70	+	7,54e-008
A5	Unknown	2A2	MVD1	7	2323	1751,411	4,637	500,000	4	17	22,99	+	6,28e-008
A6	Unknown	2A2	MVD1	7	2464	1863,446	4,889	500,000	4	17	22,81	+	7,03e-008
A7	Unknown	2A3	MVD1	13	2438	1873,764	4,986	500,000	7	17	22,71	+	7,50e-008
A8	Unknown	2A3	MVD1	13	2383	1802,084	4,843	500,000	4	17	22,80	+	7,09e-008
A9	Unknown	2A3	MVD1	13	2359	1748,891	4,485	500,000	7	17	22,84	+	6,90e-008
A10	Standard	ST-5	MVD1	---	2400	1793,429	4,839	500,000	3	9	15,10	+	1,00e-005
A11	Standard	ST-5	MVD1	---	2311	1723,357	4,775	500,000	3	9	15,15	+	1,00e-005
A12	Standard	ST-5	MVD1	---	2315	1741,393	4,521	500,000	2	9	15,17	+	1,00e-005
B1	Unknown	2B1	MVD1	2	2249	1650,431	3,925	500,000	3	17	22,72	+	7,47e-008
B2	Unknown	2B1	MVD1	2	2354	1759,077	3,910	500,000	4	16	22,56	+	8,26e-008
B3	Unknown	2B1	MVD1	2	2480	1880,325	4,099	500,000	2	16	22,43	+	8,96e-008
B4	Unknown	2B2	MVD1	8	2405	1762,779	3,723	500,000	2	18	23,89	+	3,52e-008
B5	Unknown	2B2	MVD1	8	2351	1734,132	3,810	500,000	2	18	23,88	+	3,54e-008
B6	Unknown	2B2	MVD1	8	2557	1913,191	4,124	500,000	2	18	23,72	+	3,92e-008
B7	Unknown	2B3	MVD1	14	2668	2047,476	4,522	500,000	2	19	24,24	+	2,80e-008
B8	Unknown	2B3	MVD1	14	2315	1703,607	3,971	500,000	2	19	24,62	+	2,19e-008
B9	Unknown	2B3	MVD1	14	2594	1955,338	4,184	500,000	2	18	24,33	+	2,64e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07

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

Run Date: 08 Mar 2024 15:24:32

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))
9,13e-008	5,44e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
9,13e-008	5,44e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
9,13e-008	5,44e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
6,95e-008	6,33e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
6,95e-008	6,33e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
6,95e-008	6,33e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,16e-008	3,03e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,16e-008	3,03e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,16e-008	3,03e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-005	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-005	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-005	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
8,23e-008	7,46e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
8,23e-008	7,46e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
8,23e-008	7,46e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,66e-008	2,23e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,66e-008	2,23e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,66e-008	2,23e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
2,54e-008	3,13e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
2,54e-008	3,13e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
2,54e-008	3,13e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-006	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-006	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-006	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-fmvd1-24-03-07

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

Run Date: 08 Mar 2024 15:24:32

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	MVD1	3	2511	1948,167	4,436	500,000	4	17	22,60	+	8,06e-008
C2	Unknown	3A1	MVD1	3	2576	2011,164	4,329	500,000	3	17	22,51	+	8,54e-008
C3	Unknown	3A1	MVD1	3	2557	1975,810	4,255	500,000	3	17	22,56	+	8,29e-008
C4	Unknown	3A2	MVD1	9	2392	1756,018	4,061	500,000	7	17	22,87	+	6,78e-008
C5	Unknown	3A2	MVD1	9	2417	1864,115	4,139	500,000	2	17	22,68	+	7,66e-008
C6	Unknown	3A2	MVD1	9	2339	1802,753	4,104	500,000	2	17	22,77	+	7,24e-008
C7	Unknown	3A3	MVD1	15	2703	2121,971	4,535	500,000	2	18	22,86	+	6,83e-008
C8	Unknown	3A3	MVD1	15	2535	1960,775	4,304	500,000	2	17	23,01	+	6,20e-008
C9	Unknown	3A3	MVD1	15	2616	2049,754	4,441	500,000	2	17	22,94	+	6,45e-008
C10	Standard	ST-7	MVD1	---	2956	2391,275	5,019	500,000	3	16	21,74	+	1,00e-007
C11	Standard	ST-7	MVD1	---	2377	1837,631	4,134	500,000	3	16	22,29	+	1,00e-007
C12	Standard	ST-7	MVD1	---	2358	1801,412	4,073	500,000	3	17	22,39	+	1,00e-007
D1	Unknown	3B1	MVD1	4	2335	1758,179	3,918	500,000	2	17	23,36	+	4,94e-008
D2	Unknown	3B1	MVD1	4	2305	1726,740	3,730	500,000	3	17	23,36	+	4,95e-008
D3	Unknown	3B1	MVD1	4	2397	1805,357	3,745	500,000	2	17	23,26	+	5,28e-008
D4	Unknown	3B2	MVD1	10	2420	1832,282	3,878	500,000	2	17	22,44	+	8,95e-008
D5	Unknown	3B2	MVD1	10	2532	1897,500	3,994	500,000	6	17	22,32	+	9,64e-008
D6	Unknown	3B2	MVD1	10	2367	1766,700	3,868	500,000	6	16	22,47	+	8,76e-008
D7	Unknown	3B3	MVD1	16	2635	2025,947	4,143	500,000	3	18	23,90	+	3,50e-008
D8	Unknown	3B3	MVD1	16	2481	1865,809	3,895	500,000	2	18	24,08	+	3,11e-008
D9	Unknown	3B3	MVD1	16	2466	1848,926	3,835	500,000	2	18	24,11	+	3,05e-008
D10	Standard	ST-8	MVD1	---	2713	2096,507	4,232	500,000	2	20	25,42	+	1,00e-008
D11	Standard	ST-8	MVD1	---	2469	1811,647	3,589	500,000	3	20	25,76	+	1,00e-008
D12	Standard	ST-8	MVD1	---	2473	1883,437	3,976	500,000	2	20	25,76	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07

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

Run Date: 08 Mar 2024 15:24:32

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))
8,30e-008	2,41e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
8,30e-008	2,41e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
8,30e-008	2,41e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,23e-008	4,39e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,23e-008	4,39e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,23e-008	4,39e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
6,50e-008	3,19e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
6,50e-008	3,19e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
6,50e-008	3,19e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-007	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-007	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-007	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
5,06e-008	1,89e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
5,06e-008	1,89e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
5,06e-008	1,89e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
9,11e-008	4,63e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
9,11e-008	4,63e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
9,11e-008	4,63e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,22e-008	2,45e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,22e-008	2,45e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,22e-008	2,45e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-008	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-008	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-008	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07

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

Run Date: 08 Mar 2024 15:24:32

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	MVD1	5	2235	1647,175	3,894	500,000	2	16	21,97	+	1,21e-007
E2	Unknown	4A1	MVD1	5	2334	1752,431	3,949	500,000	3	16	21,74	+	1,40e-007
E3	Unknown	4A1	MVD1	5	2479	1851,470	3,796	500,000	2	16	21,59	+	1,54e-007
E4	Unknown	4A2	MVD1	11	2493	1826,091	3,789	500,000	7	16	21,55	+	1,58e-007
E5	Unknown	4A2	MVD1	11	2418	1790,356	3,925	500,000	7	15	21,57	+	1,57e-007
E6	Unknown	4A2	MVD1	11	2622	1980,401	4,071	500,000	3	15	21,36	+	1,79e-007
E7	Unknown	4A3	MVD1	17	2636	2005,866	4,293	500,000	3	16	21,60	+	1,54e-007
E8	Unknown	4A3	MVD1	17	2524	1878,932	4,013	500,000	2	16	21,74	+	1,40e-007
E9	Unknown	4A3	MVD1	17	2577	1943,213	4,238	500,000	2	16	21,67	+	1,46e-007
E10	Standard	ST-9	MVD1	---	2731	2089,359	4,202	500,000	3	23	29,15	+	1,00e-009
E11	Standard	ST-9	MVD1	---	2379	1758,176	3,782	500,000	3	24	29,46	+	1,00e-009
E12	Standard	ST-9	MVD1	---	2475	1871,762	4,044	500,000	3	24	29,60	+	1,00e-009
F1	Unknown	4A2	MVD1	6	2186	1631,155	4,026	500,000	3	17	23,72	+	3,92e-008
F2	Unknown	4A2	MVD1	6	2422	1847,126	4,140	500,000	3	17	23,27	+	5,24e-008
F3	Unknown	4A2	MVD1	6	2403	1807,256	3,914	500,000	2	17	23,31	+	5,11e-008
F4	Unknown	4B2	MVD1	12	2556	1951,639	4,156	500,000	2	19	24,00	+	3,26e-008
F5	Unknown	4B2	MVD1	12	2424	1823,000	4,102	500,000	6	18	24,13	+	3,00e-008
F6	Unknown	4B2	MVD1	12	2431	1804,487	3,972	500,000	4	19	24,24	+	2,80e-008
F7	Unknown	4B3	MVD1	18	2636	1971,940	4,119	500,000	5	17	22,80	+	7,08e-008
F8	Unknown	4B3	MVD1	18	2491	1865,150	4,131	500,000	2	17	22,92	+	6,56e-008
F9	Unknown	4B3	MVD1	18	2676	2068,537	4,551	500,000	2	17	22,74	+	7,37e-008
F10	Standard	ST-10	MVD1	---	2270	1666,789	3,783	500,000	3	28	33,39	+	1,00e-010
F11	Standard	ST-10	MVD1	---	2044	1467,361	3,500	500,000	3	28	33,67	+	1,00e-010
F12	Standard	ST-10	MVD1	---	2155	1571,172	3,716	500,000	3	28	33,04	+	1,00e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07

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

Run Date: 08 Mar 2024 15:24:32

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))
1,38e-007	1,66e-008	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,38e-007	1,66e-008	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,38e-007	1,66e-008	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,64e-007	1,22e-008	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,64e-007	1,22e-008	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,64e-007	1,22e-008	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,47e-007	6,87e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,47e-007	6,87e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,47e-007	6,87e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-009	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-009	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-009	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
4,76e-008	7,25e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
4,76e-008	7,25e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
4,76e-008	7,25e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,02e-008	2,31e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,02e-008	2,31e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,02e-008	2,31e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,00e-008	4,12e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,00e-008	4,12e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,00e-008	4,12e-009	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-fmvd1-24-03-07
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 08 Mar 2024 15:24:32

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	MVD1	---	2027	1401,254	3,407	500,000	2	24	30,32	+	5,59e-010
G2	No RT	3A1	MVD1	---	1910	1294,100	3,126	500,000	2	26	32,59	+	1,30e-010
G3	No RT	4A1	MVD1	---	2239	1592,719	3,450	500,000	2	25	30,44	+	5,17e-010
G4	No RT	2A2	MVD1	---	2123	1487,828	3,302	500,000	2	25	31,29	+	3,01e-010
G5	No RT	3A2	MVD1	---	2153	1502,837	3,323	500,000	3	26	32,00	+	1,90e-010
G6	No RT	4A2	MVD1	---	2389	1723,581	3,664	500,000	3	26	30,94	+	3,75e-010
G7	No RT	2A3	MVD1	---	2280	1598,236	3,398	500,000	3	26	31,73	+	2,27e-010
G8	No RT	3A3	MVD1	---	2269	1607,952	3,529	500,000	2	27	32,20	+	1,67e-010
G9	No RT	4A3	MVD1	---	2419	1754,945	3,774	500,000	3	25	30,99	+	3,64e-010
G10	Standard	ST-11	MVD1	---	1932	1286,931	3,023	500,000	2	30	35,88	+	1,00e-011
G11	Standard	ST-11	MVD1	---	1793	1165,236	2,837	500,000	3	31	36,75	+	1,00e-011
H1	No RT	2B1	MVD1	---	1951	1333,568	3,188	500,000	2	27	33,42	+	7,61e-011
H2	No RT	3B1	MVD1	---	1820	1218,014	3,028	500,000	3	28	33,78	+	6,05e-011
H3	No RT	4B1	MVD1	---	1986	1355,319	3,093	500,000	2	27	33,38	+	7,84e-011
H4	No RT	2B2	MVD1	---	1976	1346,000	3,107	500,000	2	26	32,07	+	1,82e-010
H5	No RT	3B2	MVD1	---	2075	1428,840	3,178	500,000	2	26	32,47	+	1,41e-010
H6	No RT	4B2	MVD1	---	2033	1379,352	3,128	500,000	2	27	32,74	+	1,18e-010
H7	No RT	2B3	MVD1	---	1940	1315,088	3,134	500,000	3	28	34,63	+	3,50e-011
H8	No RT	3B3	MVD1	---	1859	1220,809	2,960	500,000	2	29	35,45	+	2,07e-011
H9	No RT	4B3	MVD1	---	1975	1338,305	3,135	500,000	2	28	33,91	+	5,57e-011
H10	NTC	NTC	MVD1	---	609	8,130	1,045	500,000	3	40	No Cq	-	No Cq
H11	NTC	NTC	MVD1	---	594	-5,429	1,000	500,000	3	40	No Cq	-	No Cq
H12	NTC	NTC	MVD1	---	583	-6,033	1,012	500,000	4	40	No Cq	-	No Cq

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07

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

Run Date: 08 Mar 2024 15:24:32

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))
5,59e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
1,30e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
5,17e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
3,01e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,90e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,75e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
2,27e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,67e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,64e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,00e-011	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
1,00e-011	0,00e+000	0,998	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
7,61e-011	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
6,05e-011	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
7,84e-011	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
1,82e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,41e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
1,18e-010	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
3,50e-011	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
2,07e-011	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	79,00
5,57e-011	N/A	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	78,50
No Cq	No Cq	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	95,00
No Cq	No Cq	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	55,00
No Cq	No Cq	No Cq for MVD1 Standards	No Cq for MVD1 Standards	No Cq for MVD1 Standards	9	Off	55,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-f-mvd1-24-03-07

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

Run Date: 08 Mar 2024 15:24:32

Experiment Notes

< no experiment notes >