

# bcar-b-ubc6-24-03-14 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: 15 Mar 2024 19:50:52

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 15 Mar 2024 18:01:48

Elapsed Time: 1 : 48 : 49

Report Generated: 15 Mar 2024

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 15 Mar 2024 18:01:48

### 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: UBC6

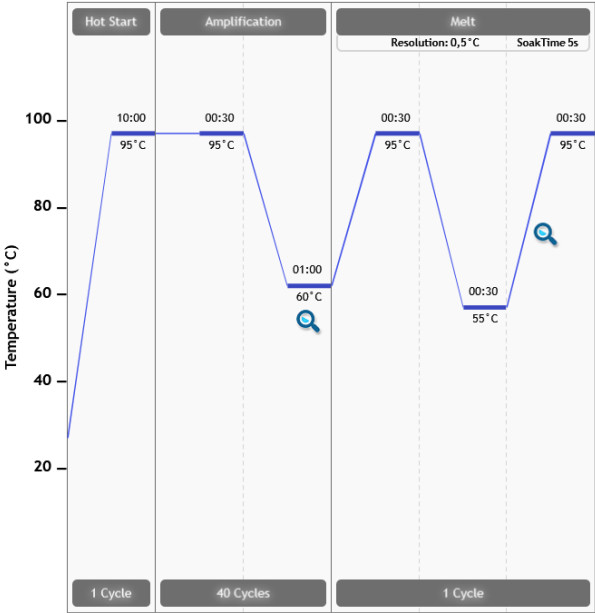
Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 15 Mar 2024 18:01:48

Thermal Profile

Estimated Runtime: N/A

Total Data Collection Points: 121/2700



Instrument Name: New\_Instrument

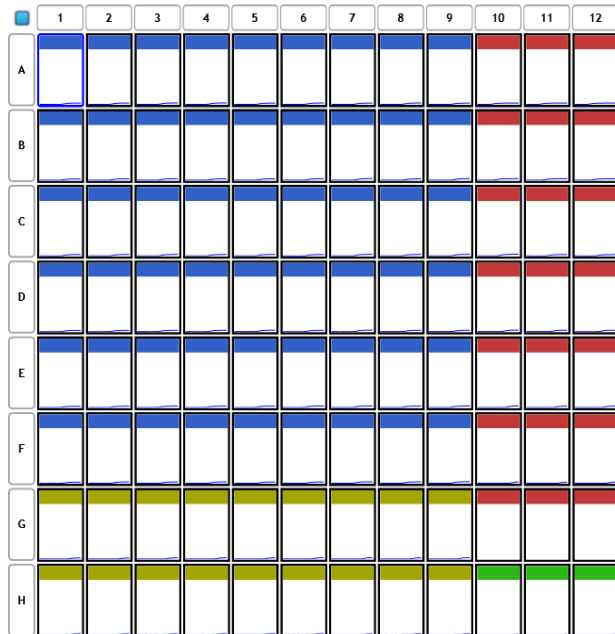
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14

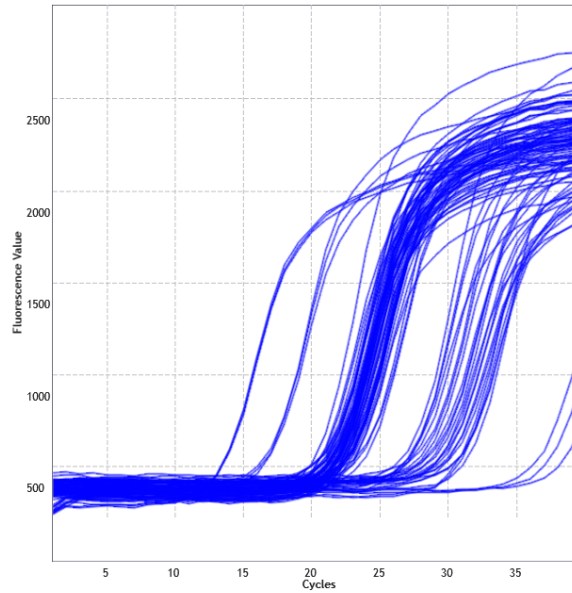
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt

Run Date: 15 Mar 2024 18:01:48

### Raw Data Plots



### Amplification Data



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 15 Mar 2024 18:01:48

### Analysis Criteria

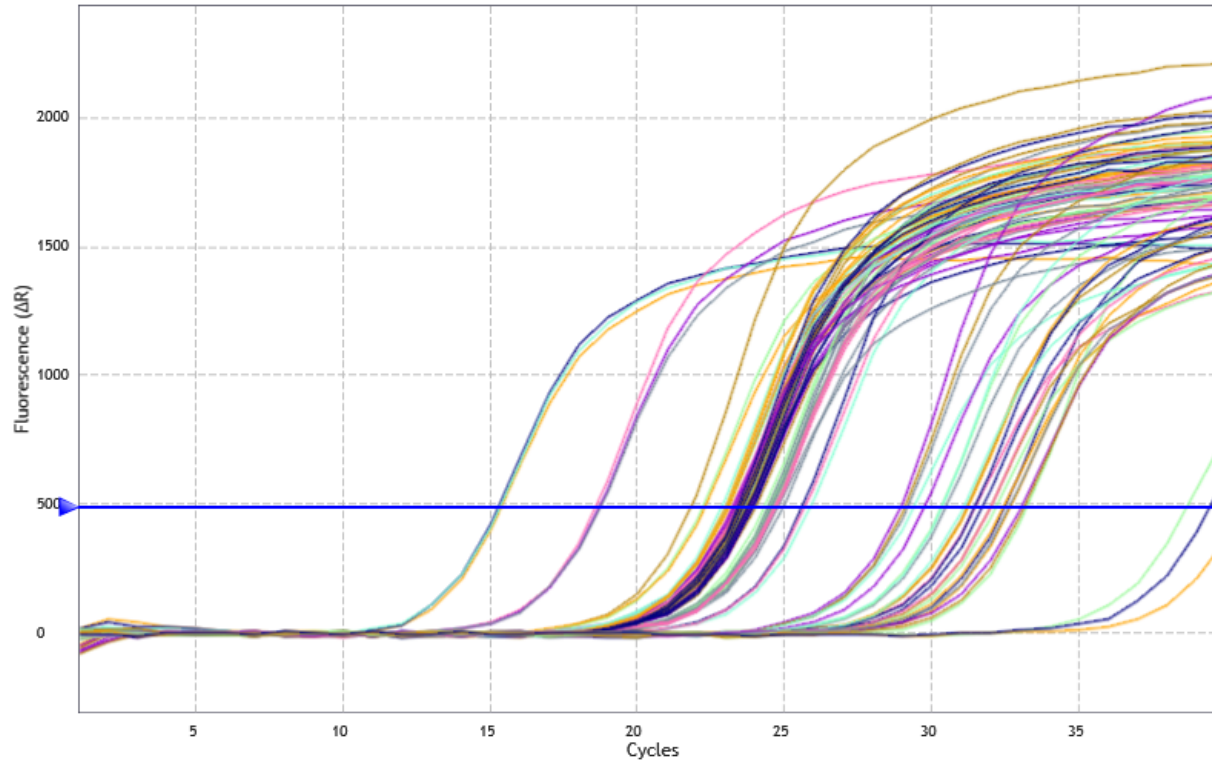
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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: UBC6

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 15 Mar 2024 18:01:48

### Amplification Plots

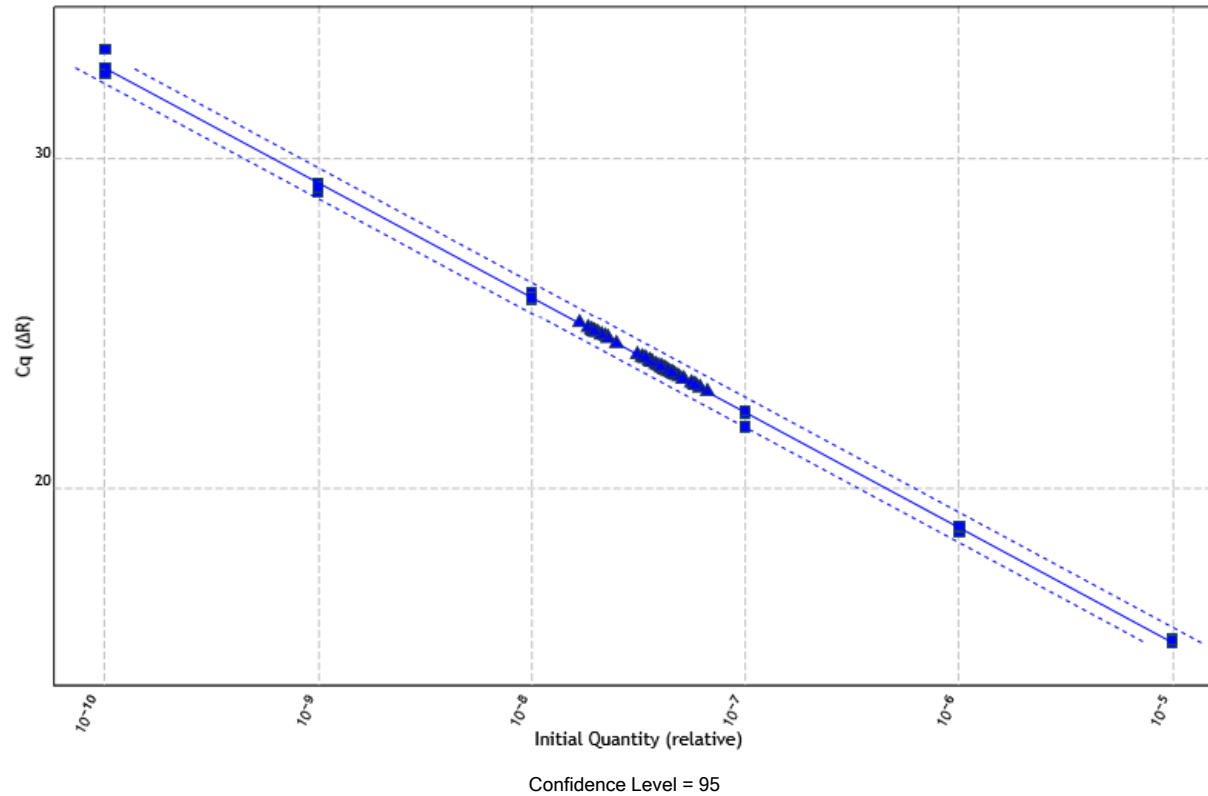


Threshold settings based on background: Start cycle = 5, End cycle = 9,  
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,  
Crosstalk Correction: -

Instrument Name: New\_Instrument  
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Experiment Name: bcar-b-ubc6-24-03-14  
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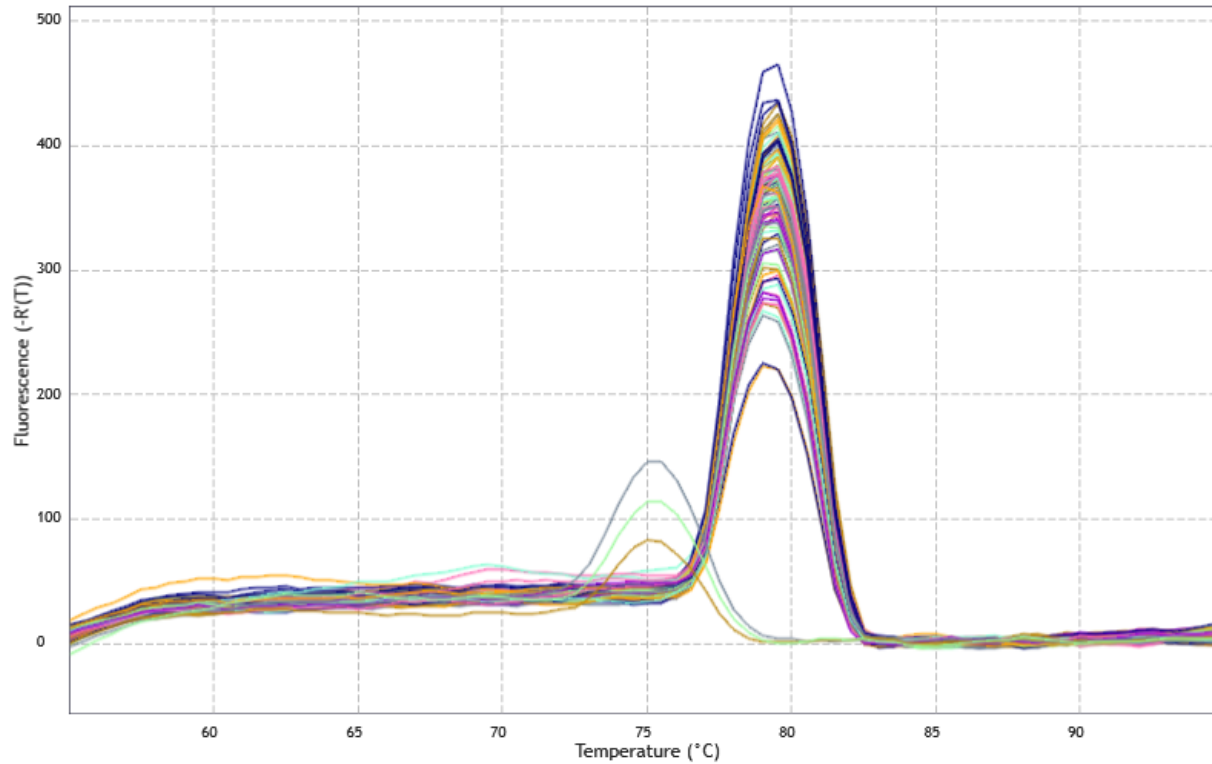
### Standard Curve Plots



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 15 Mar 2024 18:01:48

### Melt Raw Derivative Curve



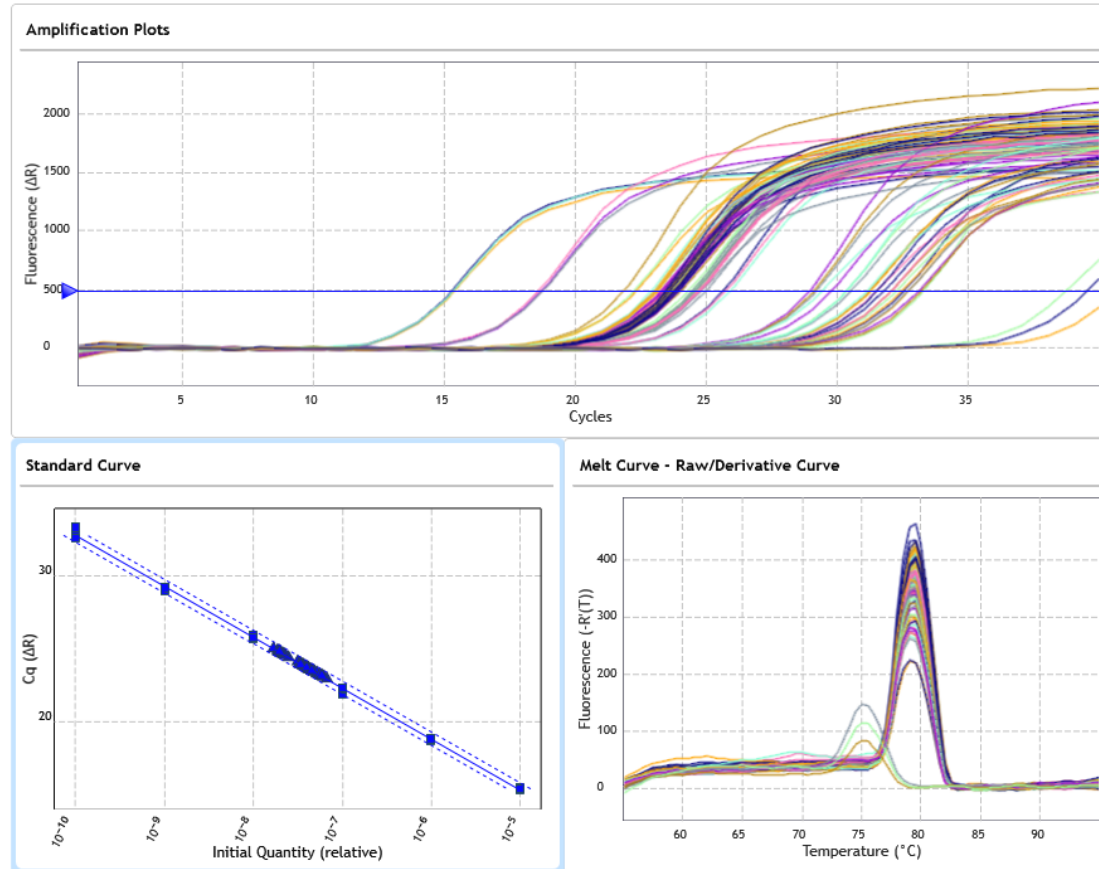
Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,  
Product melting temperature : Max number = 4, Min peak height = Off



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
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### Graphical Displays



Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 15 Mar 2024 18:01:48

### Tabular Results (1 of 8)

Target	Dye	Threshold	R <sup>2</sup>	Slope	Efficiency
UBC6	SYBR	500	0,999	-3,49	93,45

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	UBC6	1	2234	1692,599	4,363	500,000	2	17	23,64	+	4,06e-008
A2	Unknown	2A1	UBC6	1	2282	1747,647	4,555	500,000	2	18	23,52	+	4,40e-008
A3	Unknown	2A1	UBC6	1	2360	1827,518	4,711	500,000	4	18	23,41	+	4,73e-008
A4	Unknown	2A2	UBC6	7	2427	1890,041	4,963	500,000	4	19	23,81	+	3,62e-008
A5	Unknown	2A2	UBC6	7	2197	1672,233	4,684	500,000	5	19	24,05	+	3,09e-008
A6	Unknown	2A2	UBC6	7	2345	1815,783	4,896	500,000	4	18	23,86	+	3,52e-008
A7	Unknown	2A3	UBC6	13	2199	1679,487	4,729	500,000	4	18	23,93	+	3,36e-008
A8	Unknown	2A3	UBC6	13	2317	1783,337	4,899	500,000	3	18	23,85	+	3,54e-008
A9	Unknown	2A3	UBC6	13	2188	1649,544	4,376	500,000	2	18	23,97	+	3,27e-008
A10	Standard	ST-5	UBC6	---	2246	1435,500	4,650	500,000	7	10	15,45	+	1,00e-005
A11	Standard	ST-5	UBC6	---	2266	1501,500	4,781	500,000	7	10	15,34	+	1,00e-005
A12	Standard	ST-5	UBC6	---	2223	1512,600	4,584	500,000	7	10	15,40	+	1,00e-005
B1	Unknown	2B1	UBC6	2	2134	1548,044	3,784	500,000	2	18	23,80	+	3,64e-008
B2	Unknown	2B1	UBC6	2	2290	1689,882	3,901	500,000	2	18	23,59	+	4,19e-008
B3	Unknown	2B1	UBC6	2	2379	1781,059	4,039	500,000	2	18	23,47	+	4,55e-008
B4	Unknown	2B2	UBC6	8	2331	1705,332	3,778	500,000	4	19	24,63	+	2,12e-008
B5	Unknown	2B2	UBC6	8	2304	1702,843	3,898	500,000	4	19	24,58	+	2,18e-008
B6	Unknown	2B2	UBC6	8	2460	1841,982	4,114	500,000	4	19	24,39	+	2,48e-008
B7	Unknown	2B3	UBC6	14	2580	1994,386	4,583	500,000	2	19	24,69	+	2,03e-008
B8	Unknown	2B3	UBC6	14	2262	1684,152	4,004	500,000	2	19	25,00	+	1,66e-008
B9	Unknown	2B3	UBC6	14	2514	1901,762	4,190	500,000	2	19	24,79	+	1,90e-008

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14

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

Run Date: 15 Mar 2024 18:01:48

Tabular Results (2 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
4,40e-008	3,34e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,40e-008	3,34e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,40e-008	3,34e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,41e-008	2,80e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,41e-008	2,80e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,41e-008	2,80e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,39e-008	1,39e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,39e-008	1,39e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,39e-008	1,39e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-005	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-005	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-005	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,13e-008	4,57e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,13e-008	4,57e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,13e-008	4,57e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,26e-008	1,92e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,26e-008	1,92e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,26e-008	1,92e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,86e-008	1,89e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,86e-008	1,89e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,86e-008	1,89e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-006	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-006	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-006	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14

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

Run Date: 15 Mar 2024 18:01:48

Tabular Results (3 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	$\Delta R$ Last	RLast/ RFirst	Threshold ( $\Delta R$ )	Baseline Start Cycle	Baseline End Cycle	Cq ( $\Delta R$ )	Final Call ( $\Delta R$ )	Quantity (relative)
C1	Unknown	3A1	UBC6	3	2333	1782,500	4,189	500,000	4	18	23,71	+	3,88e-008
C2	Unknown	3A1	UBC6	3	2405	1851,956	4,168	500,000	2	18	23,61	+	4,14e-008
C3	Unknown	3A1	UBC6	3	2450	1887,926	4,174	500,000	2	18	23,56	+	4,29e-008
C4	Unknown	3A2	UBC6	9	2405	1833,343	3,956	500,000	3	18	23,60	+	4,16e-008
C5	Unknown	3A2	UBC6	9	2454	1914,200	4,298	500,000	3	18	23,48	+	4,50e-008
C6	Unknown	3A2	UBC6	9	2346	1829,257	4,258	500,000	3	18	23,59	+	4,20e-008
C7	Unknown	3A3	UBC6	15	2577	2037,485	4,497	500,000	2	18	23,59	+	4,19e-008
C8	Unknown	3A3	UBC6	15	2432	1880,735	4,200	500,000	2	18	23,75	+	3,78e-008
C9	Unknown	3A3	UBC6	15	2540	1990,466	4,410	500,000	3	18	23,65	+	4,02e-008
C10	Standard	ST-7	UBC6	---	2785	2217,679	4,843	500,000	3	17	21,86	+	1,00e-007
C11	Standard	ST-7	UBC6	---	2333	1791,134	4,181	500,000	2	17	22,27	+	1,00e-007
C12	Standard	ST-7	UBC6	---	2247	1720,548	4,063	500,000	2	16	22,36	+	1,00e-007
D1	Unknown	3B1	UBC6	4	2260	1688,888	3,844	500,000	4	17	23,44	+	4,62e-008
D2	Unknown	3B1	UBC6	4	2239	1669,735	3,744	500,000	2	18	23,44	+	4,62e-008
D3	Unknown	3B1	UBC6	4	2357	1766,441	3,820	500,000	2	18	23,29	+	5,13e-008
D4	Unknown	3B2	UBC6	10	2354	1776,743	3,917	500,000	3	19	23,97	+	3,26e-008
D5	Unknown	3B2	UBC6	10	2493	1896,027	4,027	500,000	3	19	23,83	+	3,59e-008
D6	Unknown	3B2	UBC6	10	2301	1751,965	3,887	500,000	3	18	23,91	+	3,40e-008
D7	Unknown	3B3	UBC6	16	2537	1958,060	4,166	500,000	2	19	24,54	+	2,24e-008
D8	Unknown	3B3	UBC6	16	2385	1795,349	3,872	500,000	2	19	24,72	+	1,99e-008
D9	Unknown	3B3	UBC6	16	2389	1778,515	3,780	500,000	4	19	24,76	+	1,94e-008
D10	Standard	ST-8	UBC6	---	2597	1976,814	4,096	500,000	3	21	25,68	+	1,00e-008
D11	Standard	ST-8	UBC6	---	2434	1783,243	3,622	500,000	2	21	25,94	+	1,00e-008
D12	Standard	ST-8	UBC6	---	2396	1822,861	4,054	500,000	2	20	25,77	+	1,00e-008

Instrument Name: New\_Instrument

Instrument Type: AriaMx

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

Run Date: 15 Mar 2024 18:01:48

Tabular Results (4 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
4,10e-008	2,03e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,10e-008	2,03e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,10e-008	2,03e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,29e-008	1,89e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,29e-008	1,89e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,29e-008	1,89e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,00e-008	2,02e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,00e-008	2,02e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,00e-008	2,02e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-007	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-007	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-007	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,79e-008	2,90e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,79e-008	2,90e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
4,79e-008	2,90e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,42e-008	1,68e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,42e-008	1,68e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
3,42e-008	1,68e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,06e-008	1,63e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,06e-008	1,63e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,06e-008	1,63e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-008	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-008	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-008	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50

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Instrument Type: AriaMx

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

Run Date: 15 Mar 2024 18:01:48

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	UBC6	5	2164	1584,256	3,830	500,000	2	17	23,37	+	4,86e-008
E2	Unknown	4A1	UBC6	5	2207	1627,544	3,799	500,000	2	18	23,30	+	5,08e-008
E3	Unknown	4A1	UBC6	5	2400	1773,618	3,791	500,000	2	18	23,09	+	5,84e-008
E4	Unknown	4A2	UBC6	11	2380	1750,256	3,725	500,000	4	18	23,12	+	5,71e-008
E5	Unknown	4A2	UBC6	11	2358	1775,051	4,010	500,000	4	18	23,03	+	6,07e-008
E6	Unknown	4A2	UBC6	11	2540	1920,800	4,090	500,000	3	18	22,91	+	6,57e-008
E7	Unknown	4A3	UBC6	17	2535	1934,809	4,289	500,000	2	18	23,02	+	6,11e-008
E8	Unknown	4A3	UBC6	17	2431	1824,691	3,966	500,000	2	17	23,16	+	5,57e-008
E9	Unknown	4A3	UBC6	17	2530	1914,193	4,148	500,000	4	17	23,10	+	5,80e-008
E10	Standard	ST-9	UBC6	---	2723	2099,429	4,322	500,000	4	23	28,97	+	1,00e-009
E11	Standard	ST-9	UBC6	---	2349	1751,756	3,948	500,000	2	23	29,24	+	1,00e-009
E12	Standard	ST-9	UBC6	---	2455	1874,816	4,218	500,000	2	23	29,14	+	1,00e-009
F1	Unknown	4A2	UBC6	6	2054	1494,510	3,818	500,000	5	18	24,85	+	1,83e-008
F2	Unknown	4A2	UBC6	6	2387	1807,494	4,180	500,000	2	19	24,53	+	2,26e-008
F3	Unknown	4A2	UBC6	6	2330	1730,155	3,916	500,000	2	19	24,64	+	2,10e-008
F4	Unknown	4B2	UBC6	12	2419	1833,451	4,107	500,000	4	19	24,75	+	1,95e-008
F5	Unknown	4B2	UBC6	12	2337	1775,426	4,136	500,000	4	19	24,80	+	1,89e-008
F6	Unknown	4B2	UBC6	12	2365	1771,500	4,022	500,000	3	19	24,74	+	1,96e-008
F7	Unknown	4B3	UBC6	18	2496	1861,632	3,949	500,000	2	18	23,55	+	4,30e-008
F8	Unknown	4B3	UBC6	18	2445	1834,692	4,172	500,000	4	18	23,67	+	3,98e-008
F9	Unknown	4B3	UBC6	18	2632	2015,126	4,507	500,000	4	18	23,48	+	4,50e-008
F10	Standard	ST-10	UBC6	---	2309	1711,366	3,920	500,000	4	28	33,31	+	1,00e-010
F11	Standard	ST-10	UBC6	---	2074	1510,261	3,677	500,000	3	27	32,76	+	1,00e-010
F12	Standard	ST-10	UBC6	---	2171	1613,763	3,905	500,000	2	27	32,57	+	1,00e-010

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14

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

Run Date: 15 Mar 2024 18:01:48

Tabular Results (6 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
5,26e-008	5,18e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
5,26e-008	5,18e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
5,26e-008	5,18e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
6,12e-008	4,33e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
6,12e-008	4,33e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
6,12e-008	4,33e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
5,82e-008	2,71e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
5,82e-008	2,71e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
5,82e-008	2,71e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-009	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-009	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,00e-009	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,06e-008	2,15e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,06e-008	2,15e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,06e-008	2,15e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,93e-008	3,63e-010	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,93e-008	3,63e-010	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,93e-008	3,63e-010	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,26e-008	2,59e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,26e-008	2,59e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,26e-008	2,59e-009	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,00e-010	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,00e-010	0,00e+000	0,999	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50

Instrument Name: New\_Instrument  
Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14  
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt  
Run Date: 15 Mar 2024 18:01:48

### Tabular Results (7 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	$\Delta R$ Last	RLast/ RFirst	Threshold ( $\Delta R$ )	Baseline Start Cycle	Baseline End Cycle	Cq ( $\Delta R$ )	Final Call ( $\Delta R$ )	Quantity (relative)
G1	No RT	2A1	UBC6	---	2048	1431,798	3,448	500,000	3	23	29,47	+	8,66e-010
G2	No RT	3A1	UBC6	---	1933	1335,740	3,232	500,000	2	26	31,57	+	2,17e-010
G3	No RT	4A1	UBC6	---	2257	1630,463	3,549	500,000	2	24	29,81	+	6,92e-010
G4	No RT	2A2	UBC6	---	2202	1581,552	3,501	500,000	2	25	30,57	+	4,20e-010
G5	No RT	3A2	UBC6	---	2198	1575,731	3,522	500,000	3	25	31,27	+	2,64e-010
G6	No RT	4A2	UBC6	---	2342	1705,886	3,706	500,000	2	25	30,40	+	4,69e-010
G7	No RT	2A3	UBC6	---	2242	1596,445	3,581	500,000	3	25	31,31	+	2,57e-010
G8	No RT	3A3	UBC6	---	2264	1622,440	3,599	500,000	2	26	31,55	+	2,19e-010
G9	No RT	4A3	UBC6	---	2466	1793,067	3,759	500,000	4	25	30,42	+	4,62e-010
H1	No RT	2B1	UBC6	---	2023	1394,877	3,263	500,000	4	26	32,07	+	1,56e-010
H2	No RT	3B1	UBC6	---	1942	1338,390	3,237	500,000	2	27	32,27	+	1,36e-010
H3	No RT	4B1	UBC6	---	2005	1376,384	3,148	500,000	2	27	32,52	+	1,16e-010
H4	No RT	2B2	UBC6	---	2128	1507,706	3,394	500,000	4	26	31,81	+	1,85e-010
H5	No RT	3B2	UBC6	---	2105	1452,877	3,341	500,000	4	25	31,15	+	2,85e-010
H6	No RT	4B2	UBC6	---	2102	1471,227	3,358	500,000	3	26	32,06	+	1,57e-010
H7	No RT	2B3	UBC6	---	2026	1411,048	3,332	500,000	2	27	33,11	+	7,84e-011
H8	No RT	3B3	UBC6	---	2037	1401,330	3,254	500,000	2	27	32,72	+	1,01e-010
H9	No RT	4B3	UBC6	---	2085	1446,268	3,352	500,000	4	28	33,22	+	7,28e-011
H10	NTC	NTC	UBC6	---	1355	767,946	2,344	500,000	2	33	38,76	+	1,89e-012
H11	NTC	NTC	UBC6	---	950	361,235	1,610	500,000	2	34	No Cq	-	No Cq
H12	NTC	NTC	UBC6	---	1190	607,115	2,106	500,000	2	33	39,55	+	1,12e-012



Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14

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

Run Date: 15 Mar 2024 18:01:48

Tabular Results (8 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R <sup>2</sup> (ΔR)	Slope (ΔR)	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
8,66e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
2,17e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
6,92e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
4,20e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
2,64e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
4,69e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,57e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
2,19e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
4,62e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,56e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,36e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,16e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,85e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
2,85e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,57e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
7,84e-011	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,50
1,01e-010	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
7,28e-011	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	79,00
1,89e-012	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	75,00
No Cq	No Cq	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	75,00
1,12e-012	N/A	No Cq for UBC6 Standards	No Cq for UBC6 Standards	No Cq for UBC6 Standards	9	Off	75,50

Instrument Name: New\_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-b-ubc6-24-03-14

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

Run Date: 15 Mar 2024 18:01:48

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### Experiment Notes

< no experiment notes >