

bcar-h-act1-24-03-13 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 22:42:49

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 14 Mar 2024 19:54:37

Elapsed Time: 1 : 48 : 48

Report Generated: 13 Mar 2024

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

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: ACT1

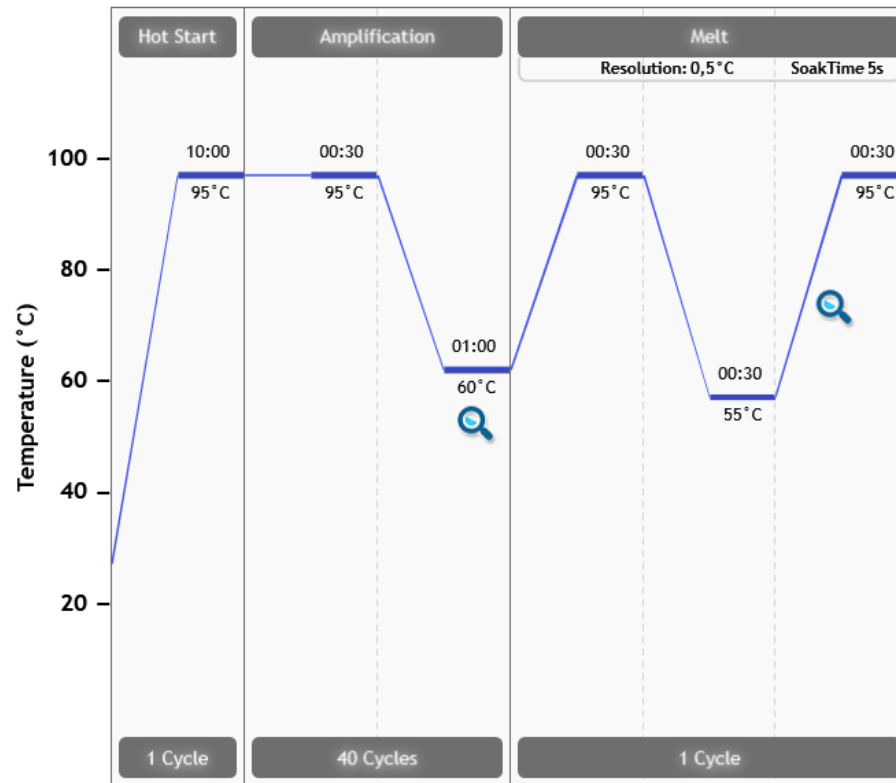
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

Thermal Profile

Estimated Runtime: N/A

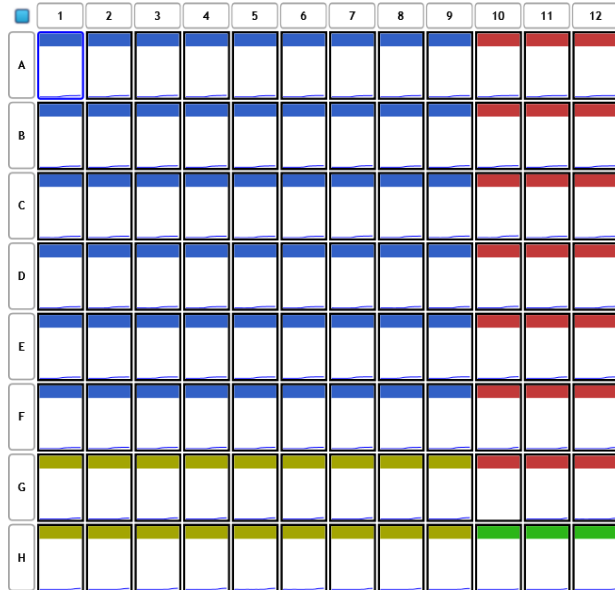
Total Data Collection Points: 121/2700



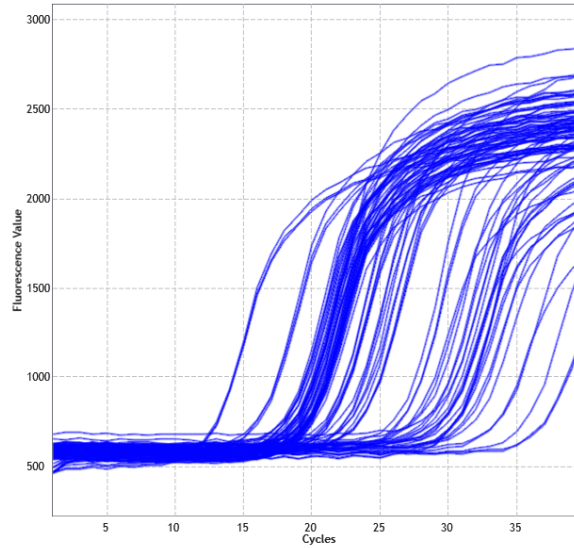
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

Analysis Criteria

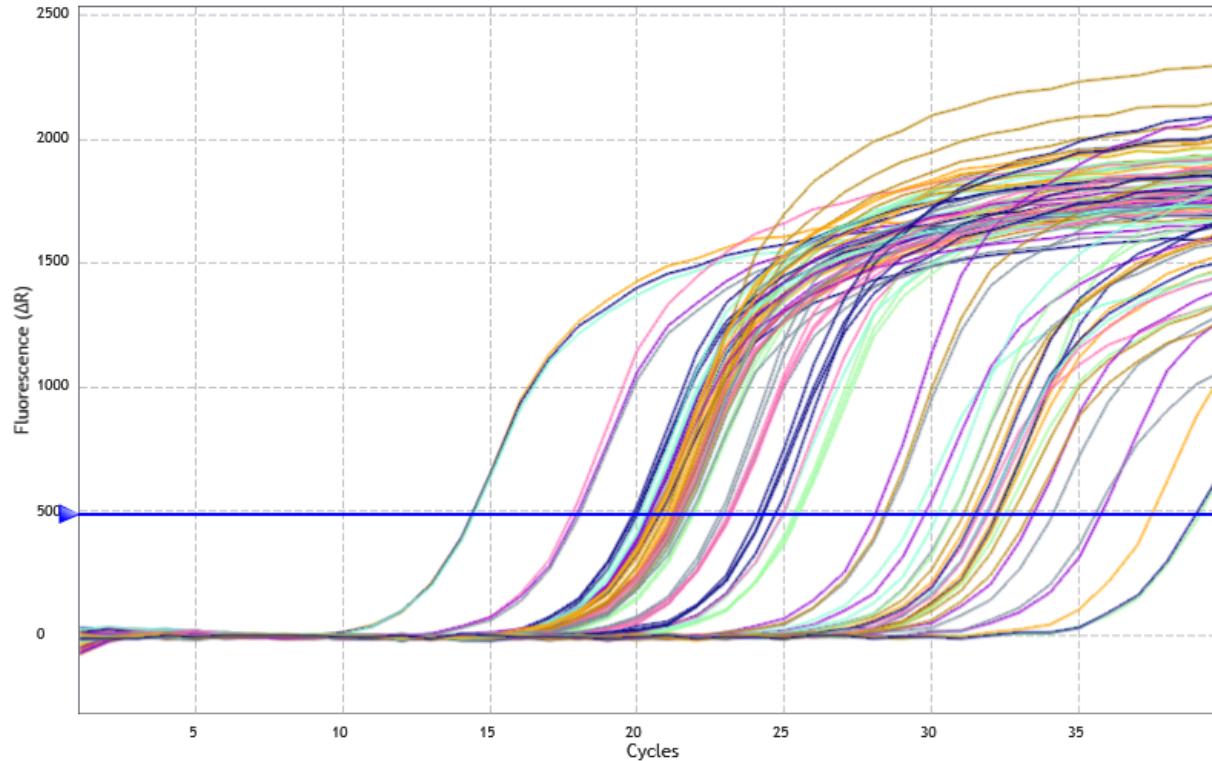
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unknown 1	Unknown 1	Unknown 1	Unknown 7	Unknown 7	Unknown 7	Unknown 13	Unknown 13	Unknown 13	Standard 5	Standard 5	Standard 5
B	Unknown 2	Unknown 2	Unknown 2	Unknown 8	Unknown 8	Unknown 8	Unknown 14	Unknown 14	Unknown 14	Standard 5	Standard 5	Standard 5
C	Unknown 3	Unknown 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: ACT1

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

Amplification Plots

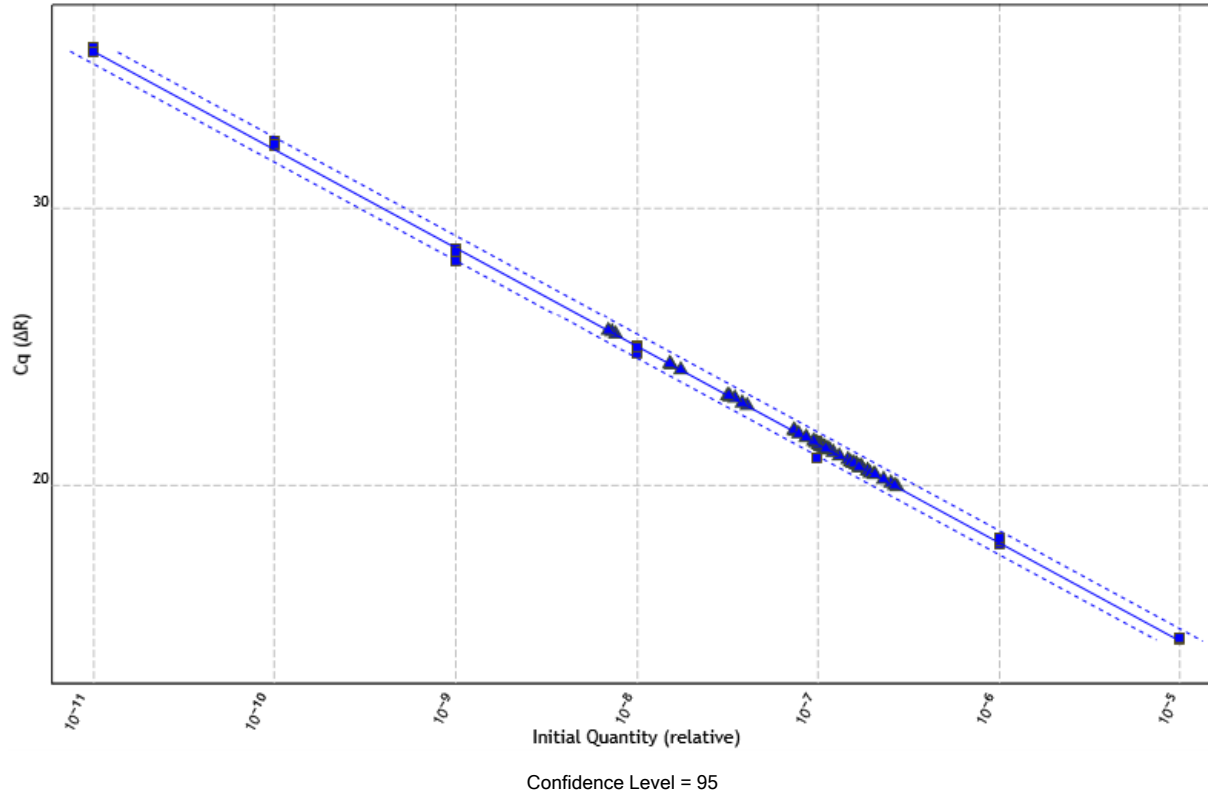


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

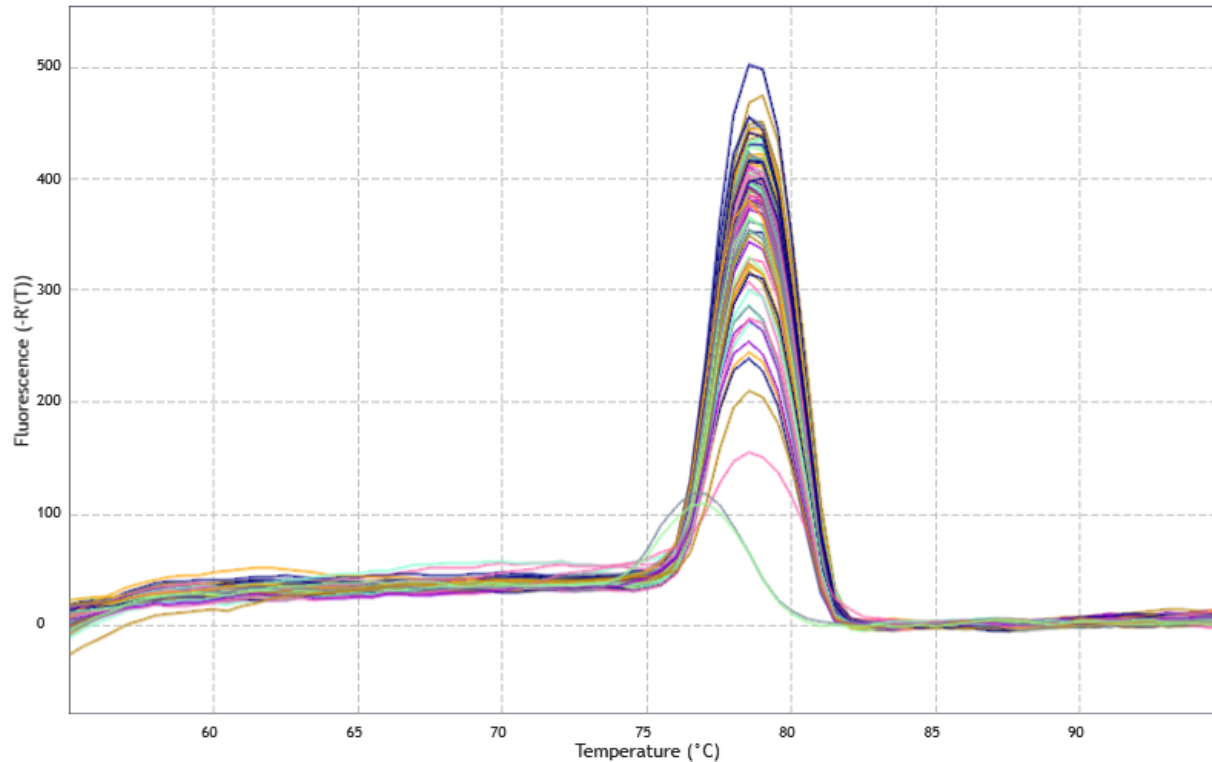
Standard Curve Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

Melt Raw Derivative Curve

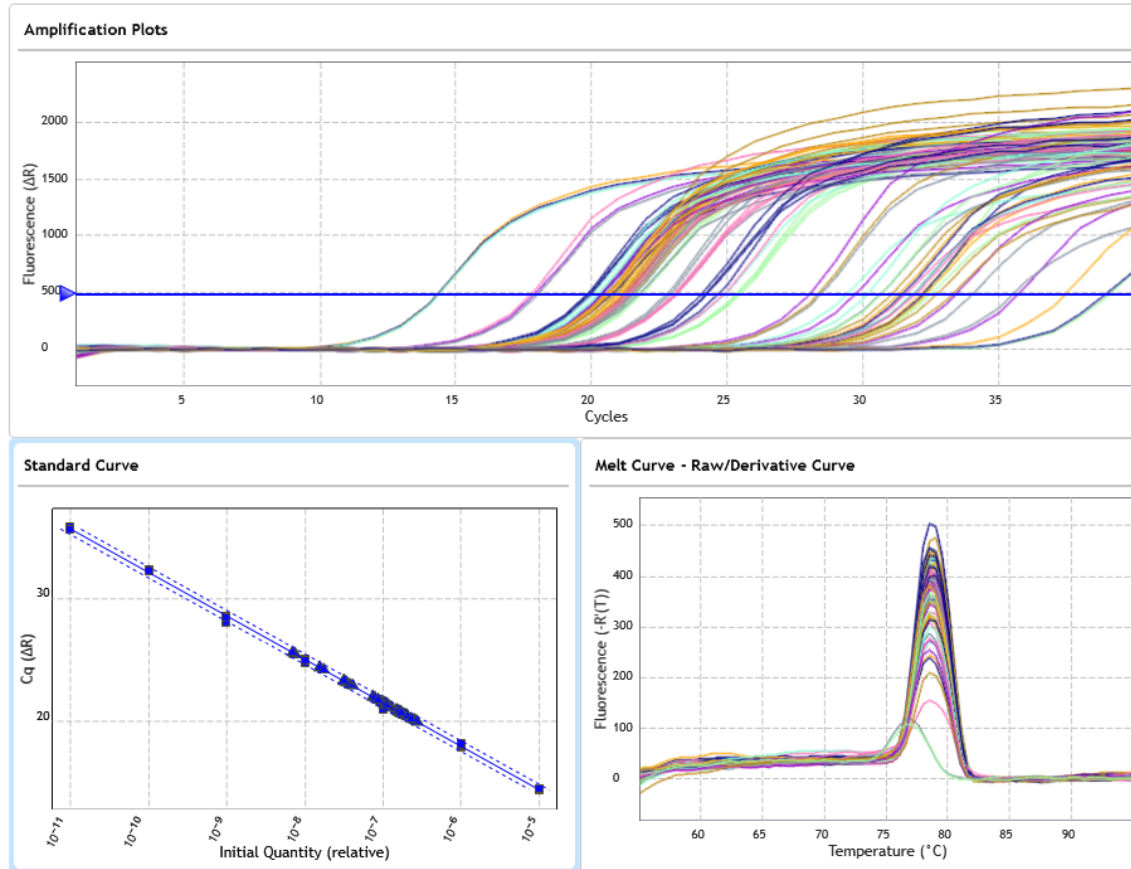


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
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Run Date: 14 Mar 2024 19:54:37

Graphical Displays



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
ACT1	SYBR	500	0,999	-3,55	91,28

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	ACT1	1	2316	1775,709	4,428	500,000	6	15	20,89	+	1,45e-007
A2	Unknown	2A1	ACT1	1	2311	1789,808	4,631	500,000	3	15	20,77	+	1,56e-007
A3	Unknown	2A1	ACT1	1	2485	1926,088	4,970	500,000	3	15	20,63	+	1,71e-007
A4	Unknown	2A2	ACT1	7	2473	1923,912	5,184	500,000	4	16	21,28	+	1,12e-007
A5	Unknown	2A2	ACT1	7	2271	1681,727	4,853	500,000	7	16	21,52	+	9,65e-008
A6	Unknown	2A2	ACT1	7	2408	1843,989	5,091	500,000	4	16	21,40	+	1,04e-007
A7	Unknown	2A3	ACT1	13	2298	1766,951	4,858	500,000	3	15	21,34	+	1,08e-007
A8	Unknown	2A3	ACT1	13	2299	1787,654	4,820	500,000	3	15	21,35	+	1,07e-007
A9	Unknown	2A3	ACT1	13	2297	1754,549	4,603	500,000	2	16	21,38	+	1,05e-007
A10	Standard	ST-5	ACT1	---	2357	1737,679	4,890	500,000	2	9	14,46	+	1,00e-005
A11	Standard	ST-5	ACT1	---	2297	1692,679	4,877	500,000	2	9	14,44	+	1,00e-005
A12	Standard	ST-5	ACT1	---	2280	1660,786	4,790	500,000	3	9	14,49	+	1,00e-005
B1	Unknown	2B1	ACT1	2	2195	1614,873	3,864	500,000	2	15	20,82	+	1,52e-007
B2	Unknown	2B1	ACT1	2	2353	1743,327	4,064	500,000	2	15	20,65	+	1,69e-007
B3	Unknown	2B1	ACT1	2	2481	1865,264	4,285	500,000	3	15	20,50	+	1,86e-007
B4	Unknown	2B2	ACT1	8	2426	1784,978	3,951	500,000	3	16	21,91	+	7,49e-008
B5	Unknown	2B2	ACT1	8	2389	1736,455	4,148	500,000	7	16	21,95	+	7,30e-008
B6	Unknown	2B2	ACT1	8	2591	1968,636	4,362	500,000	2	16	21,69	+	8,63e-008
B7	Unknown	2B3	ACT1	14	2619	2021,559	4,555	500,000	2	18	22,85	+	4,07e-008
B8	Unknown	2B3	ACT1	14	2302	1716,132	4,032	500,000	2	18	23,19	+	3,26e-008
B9	Unknown	2B3	ACT1	14	2553	1926,485	4,234	500,000	2	18	22,96	+	3,78e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13

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

Run Date: 14 Mar 2024 19:54:37

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))
1,57e-007	1,31e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,57e-007	1,31e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,57e-007	1,31e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,04e-007	7,90e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,04e-007	7,90e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,04e-007	7,90e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,07e-007	1,58e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,07e-007	1,58e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,07e-007	1,58e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-005	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-005	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-005	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,69e-007	1,74e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,69e-007	1,74e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,69e-007	1,74e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
7,81e-008	7,22e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
7,81e-008	7,22e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
7,81e-008	7,22e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
3,70e-008	4,09e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
3,70e-008	4,09e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
3,70e-008	4,09e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-006	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-006	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-006	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13

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

Run Date: 14 Mar 2024 19:54:37

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	ACT1	3	2387	1849,840	4,278	500,000	2	15	20,71	+	1,62e-007
C2	Unknown	3A1	ACT1	3	2501	1938,780	4,320	500,000	2	15	20,61	+	1,73e-007
C3	Unknown	3A1	ACT1	3	2484	1907,163	4,210	500,000	2	15	20,62	+	1,72e-007
C4	Unknown	3A2	ACT1	9	2443	1860,630	4,355	500,000	2	16	21,05	+	1,31e-007
C5	Unknown	3A2	ACT1	9	2307	1715,800	4,127	500,000	7	16	21,24	+	1,15e-007
C6	Unknown	3A2	ACT1	9	2356	1797,227	4,339	500,000	6	16	21,16	+	1,22e-007
C7	Unknown	3A3	ACT1	15	2697	2151,213	4,707	500,000	2	16	21,25	+	1,14e-007
C8	Unknown	3A3	ACT1	15	2551	2000,387	4,391	500,000	3	16	21,41	+	1,03e-007
C9	Unknown	3A3	ACT1	15	2603	2064,531	4,535	500,000	2	16	21,36	+	1,07e-007
C10	Standard	ST-7	ACT1	---	2854	2302,123	5,034	500,000	2	16	20,98	+	1,00e-007
C11	Standard	ST-7	ACT1	---	2367	1832,730	4,288	500,000	2	16	21,45	+	1,00e-007
C12	Standard	ST-7	ACT1	---	2285	1738,605	4,155	500,000	2	16	21,59	+	1,00e-007
D1	Unknown	3B1	ACT1	4	2339	1786,621	4,140	500,000	2	16	21,45	+	1,00e-007
D2	Unknown	3B1	ACT1	4	2303	1717,356	3,877	500,000	2	16	21,51	+	9,65e-008
D3	Unknown	3B1	ACT1	4	2450	1845,770	3,997	500,000	2	16	21,31	+	1,10e-007
D4	Unknown	3B2	ACT1	10	2401	1724,417	4,015	500,000	7	15	20,04	+	2,50e-007
D5	Unknown	3B2	ACT1	10	2539	1850,200	4,176	500,000	7	15	19,92	+	2,72e-007
D6	Unknown	3B2	ACT1	10	2386	1773,389	4,037	500,000	6	14	19,97	+	2,63e-007
D7	Unknown	3B3	ACT1	16	2549	1949,389	4,234	500,000	6	20	25,42	+	7,64e-009
D8	Unknown	3B3	ACT1	16	2448	1851,928	3,961	500,000	3	20	25,51	+	7,24e-009
D9	Unknown	3B3	ACT1	16	2422	1820,554	3,857	500,000	2	20	25,57	+	6,95e-009
D10	Standard	ST-8	ACT1	---	2705	2096,314	4,342	500,000	2	20	24,76	+	1,00e-008
D11	Standard	ST-8	ACT1	---	2436	1808,102	3,967	500,000	6	20	25,03	+	1,00e-008
D12	Standard	ST-8	ACT1	---	2456	1887,159	4,156	500,000	2	19	24,98	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13

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

Run Date: 14 Mar 2024 19:54:37

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))
1,69e-007	5,96e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,69e-007	5,96e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,69e-007	5,96e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,23e-007	7,63e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,23e-007	7,63e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,23e-007	7,63e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,08e-007	5,75e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,08e-007	5,75e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,08e-007	5,75e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,00e-007	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-007	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-007	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,02e-007	7,00e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,02e-007	7,00e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,02e-007	7,00e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
2,62e-007	1,08e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
2,62e-007	1,08e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
2,62e-007	1,08e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
7,28e-009	3,46e-010	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
7,28e-009	3,46e-010	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
7,28e-009	3,46e-010	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-008	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-008	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-008	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 14 Mar 2024 19:54:37

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	ACT1	5	2244	1662,018	4,000	500,000	2	15	20,62	+	1,72e-007
E2	Unknown	4A1	ACT1	5	2347	1751,235	3,958	500,000	2	15	20,50	+	1,87e-007
E3	Unknown	4A1	ACT1	5	2456	1812,500	3,905	500,000	3	15	20,43	+	1,95e-007
E4	Unknown	4A2	ACT1	11	2436	1724,250	3,848	500,000	7	15	20,37	+	2,03e-007
E5	Unknown	4A2	ACT1	11	2413	1726,561	4,104	500,000	7	15	20,35	+	2,05e-007
E6	Unknown	4A2	ACT1	11	2571	1867,606	4,180	500,000	7	15	20,17	+	2,31e-007
E7	Unknown	4A3	ACT1	17	2608	1966,770	4,443	500,000	6	15	20,70	+	1,64e-007
E8	Unknown	4A3	ACT1	17	2506	1907,291	4,075	500,000	3	15	20,75	+	1,59e-007
E9	Unknown	4A3	ACT1	17	2592	2006,743	4,277	500,000	2	15	20,65	+	1,69e-007
E10	Standard	ST-9	ACT1	---	2711	2100,150	4,310	500,000	7	22	28,10	+	1,00e-009
E11	Standard	ST-9	ACT1	---	2410	1809,436	3,983	500,000	3	23	28,54	+	1,00e-009
E12	Standard	ST-9	ACT1	---	2472	1884,079	4,233	500,000	3	23	28,45	+	1,00e-009
F1	Unknown	4A2	ACT1	6	2199	1653,745	4,020	500,000	6	16	21,84	+	7,84e-008
F2	Unknown	4A2	ACT1	6	2468	1874,206	4,315	500,000	2	16	21,56	+	9,38e-008
F3	Unknown	4A2	ACT1	6	2381	1768,892	4,042	500,000	2	16	21,69	+	8,64e-008
F4	Unknown	4B2	ACT1	12	2479	1880,793	4,349	500,000	3	17	23,11	+	3,44e-008
F5	Unknown	4B2	ACT1	12	2378	1762,885	4,277	500,000	7	18	23,23	+	3,17e-008
F6	Unknown	4B2	ACT1	12	2427	1789,179	4,156	500,000	7	18	23,23	+	3,18e-008
F7	Unknown	4B3	ACT1	18	2534	1860,989	4,016	500,000	6	19	24,34	+	1,54e-008
F8	Unknown	4B3	ACT1	18	2426	1821,169	4,112	500,000	3	19	24,37	+	1,51e-008
F9	Unknown	4B3	ACT1	18	2606	2023,654	4,493	500,000	2	19	24,15	+	1,75e-008
F10	Standard	ST-10	ACT1	---	2411	1826,058	4,121	500,000	6	27	32,37	+	1,00e-010
F11	Standard	ST-10	ACT1	---	2106	1539,454	3,754	500,000	6	27	32,24	+	1,00e-010
F12	Standard	ST-10	ACT1	---	2232	1661,700	4,036	500,000	3	27	32,30	+	1,00e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13

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))
1,85e-007	1,12e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,85e-007	1,12e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,85e-007	1,12e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
2,13e-007	1,56e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
2,13e-007	1,56e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
2,13e-007	1,56e-008	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,64e-007	5,14e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,64e-007	5,14e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,64e-007	5,14e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-009	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-009	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-009	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
8,62e-008	7,69e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
8,62e-008	7,69e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
8,62e-008	7,69e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
3,26e-008	1,52e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
3,26e-008	1,52e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
3,26e-008	1,52e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,60e-008	1,29e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,60e-008	1,29e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	79,00
1,60e-008	1,29e-009	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-010	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-010	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-010	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13

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

Run Date: 14 Mar 2024 19:54:37

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	ACT1	---	2065	1446,930	3,482	500,000	6	24	29,52	+	5,37e-010
G2	No RT	3A1	ACT1	---	1949	1341,260	3,259	500,000	2	26	31,69	+	1,32e-010
G3	No RT	4A1	ACT1	---	2247	1607,554	3,561	500,000	2	24	29,83	+	4,40e-010
G4	No RT	2A2	ACT1	---	2211	1582,056	3,560	500,000	2	25	30,77	+	2,39e-010
G5	No RT	3A2	ACT1	---	2229	1600,400	3,624	500,000	2	26	31,15	+	1,86e-010
G6	No RT	4A2	ACT1	---	2345	1690,663	3,752	500,000	6	25	30,78	+	2,38e-010
G7	No RT	2A3	ACT1	---	2324	1629,780	3,378	500,000	2	26	31,43	+	1,55e-010
G8	No RT	3A3	ACT1	---	2320	1678,984	3,654	500,000	3	26	31,58	+	1,41e-010
G9	No RT	4A3	ACT1	---	2464	1803,510	3,739	500,000	2	25	30,26	+	3,31e-010
G11	Standard	ST-11	ACT1	---	1902	1286,336	3,123	500,000	2	30	35,81	+	1,00e-011
G12	Standard	ST-11	ACT1	---	1670	1075,086	2,864	500,000	2	29	35,64	+	1,00e-011
H1	No RT	2B1	ACT1	---	1952	1340,046	3,232	500,000	6	27	32,80	+	6,38e-011
H2	No RT	3B1	ACT1	---	1951	1349,062	3,290	500,000	2	27	32,60	+	7,28e-011
H3	No RT	4B1	ACT1	---	2115	1484,779	3,357	500,000	2	27	32,41	+	8,24e-011
H4	No RT	2B2	ACT1	---	2138	1509,800	3,421	500,000	2	26	31,92	+	1,13e-010
H5	No RT	3B2	ACT1	---	2115	1472,841	3,389	500,000	6	26	31,91	+	1,14e-010
H6	No RT	4B2	ACT1	---	2092	1451,095	3,337	500,000	6	26	31,99	+	1,08e-010
H7	No RT	2B3	ACT1	---	2017	1402,026	3,274	500,000	3	28	33,53	+	3,98e-011
H8	No RT	3B3	ACT1	---	1922	1304,791	3,100	500,000	2	28	34,14	+	2,68e-011
H9	No RT	4B3	ACT1	---	1883	1274,048	3,062	500,000	7	27	33,39	+	4,37e-011
H10	NTC	NTC	ACT1	---	1269	684,982	2,188	500,000	6	33	39,19	+	1,02e-012
H11	NTC	NTC	ACT1	---	1673	1081,826	2,870	500,000	2	32	37,57	+	2,89e-012
H12	NTC	NTC	ACT1	---	1273	688,221	2,265	500,000	3	33	39,04	+	1,12e-012

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13

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

Run Date: 14 Mar 2024 19:54:37

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))
5,37e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,32e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
4,40e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
2,39e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,86e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
2,38e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,55e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,41e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
3,31e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-011	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,00e-011	0,00e+000	0,999	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
6,38e-011	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
7,28e-011	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
8,24e-011	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,13e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,14e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,08e-010	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
3,98e-011	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
2,68e-011	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
4,37e-011	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,02e-012	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	76,50
2,89e-012	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	78,50
1,12e-012	N/A	No Cq for ACT1 Standards	No Cq for ACT1 Standards	No Cq for ACT1 Standards	9	Off	77,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-h-act1-24-03-13

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

Run Date: 14 Mar 2024 19:54:37

Experiment Notes

< no experiment notes >