

bcar-c-crtyb-24-03-06 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 11:55:34

Instrument Type: AriaMx

Serial Number: MY16485260

Run By: Guest

Run Start Date: 07 Mar 2024 10:06:33

Elapsed Time: 1 : 48 : 48

Report Generated: 06 Mar 2024

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

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:  CrTYB

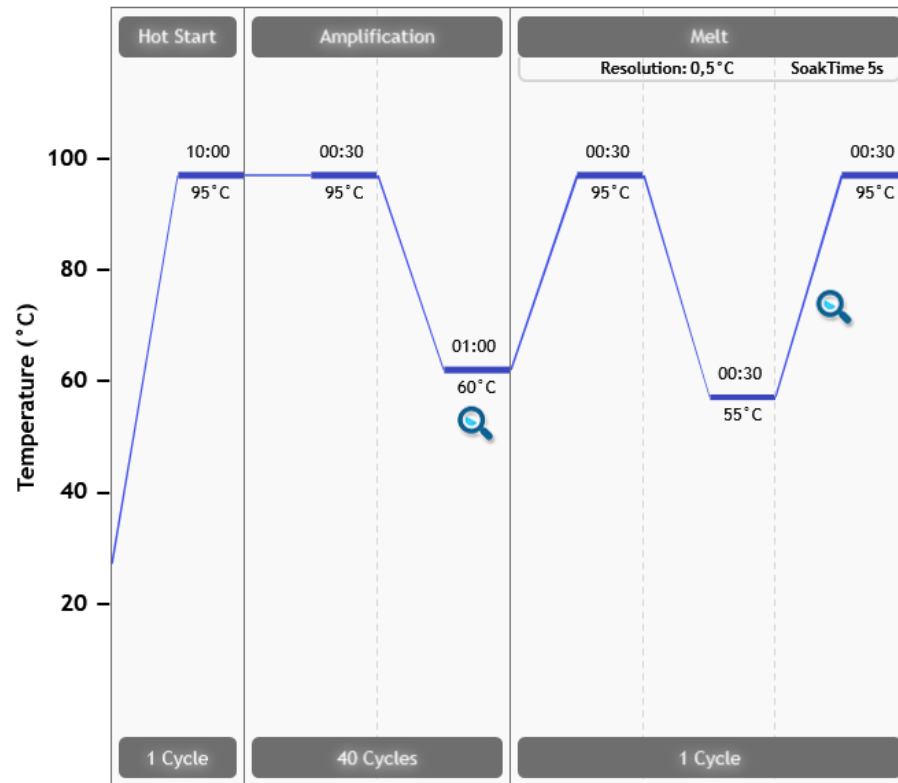
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 10:06:33

Thermal Profile

Estimated Runtime: N/A

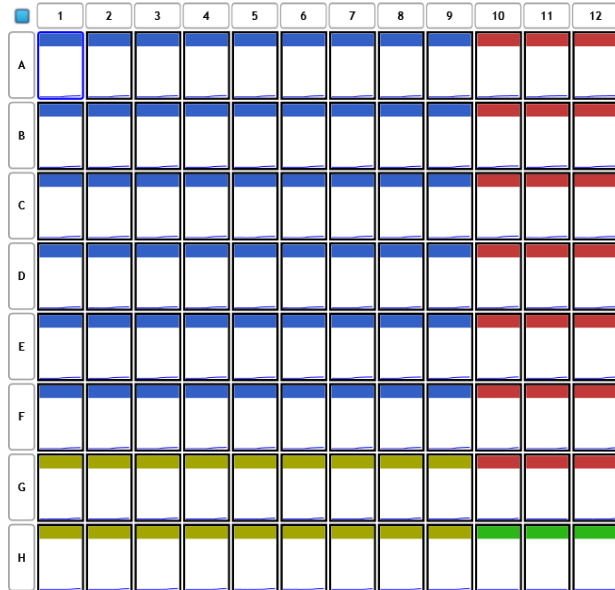
Total Data Collection Points: 121/2700



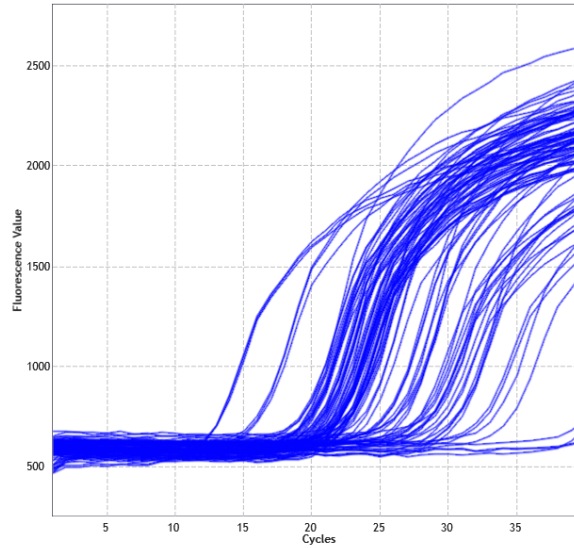
Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 10:06:33

Raw Data Plots



Amplification Data



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 10:06:33

Analysis Criteria

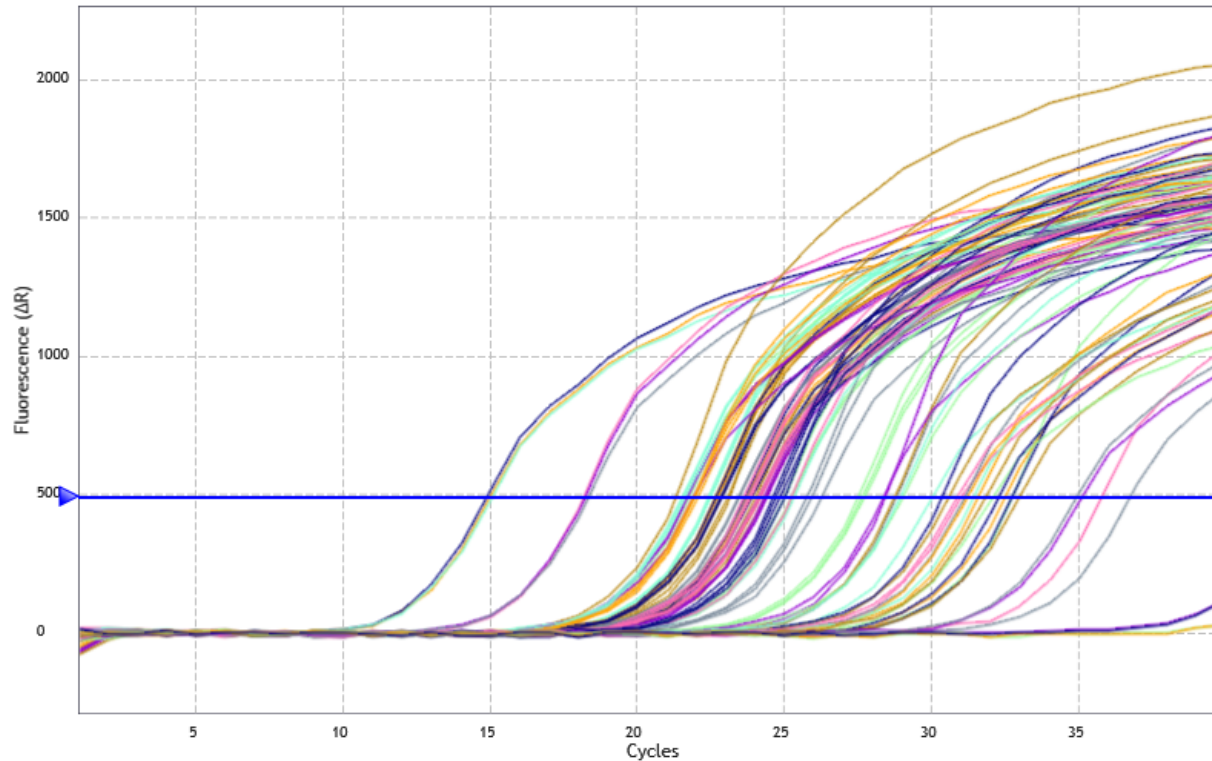
	1	2	3	4	5	6	7	8	9	10	11	12
A	2A1 1	2A1 1	2A1 1	2A2 7	2A2 7	2A2 7	2A3 13	2A3 13	2A3 13	ST-5 S	ST-5 S	ST-5 S
B	2B1 2	2B1 2	2B1 2	2B2 8	2B2 8	2B2 8	2B3 14	2B3 14	2B3 14	ST-6 S	ST-6 S	ST-6 S
C	3A1 3	3A1 3	3A1 3	3A2 9	3A2 9	3A2 9	3A3 15	3A3 15	3A3 15	ST-7 S	ST-7 S	ST-7 S
D	3B1 4	3B1 4	3B1 4	3B2 10	3B2 10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

gets: CrtYB

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 10:06:33

Amplification Plots

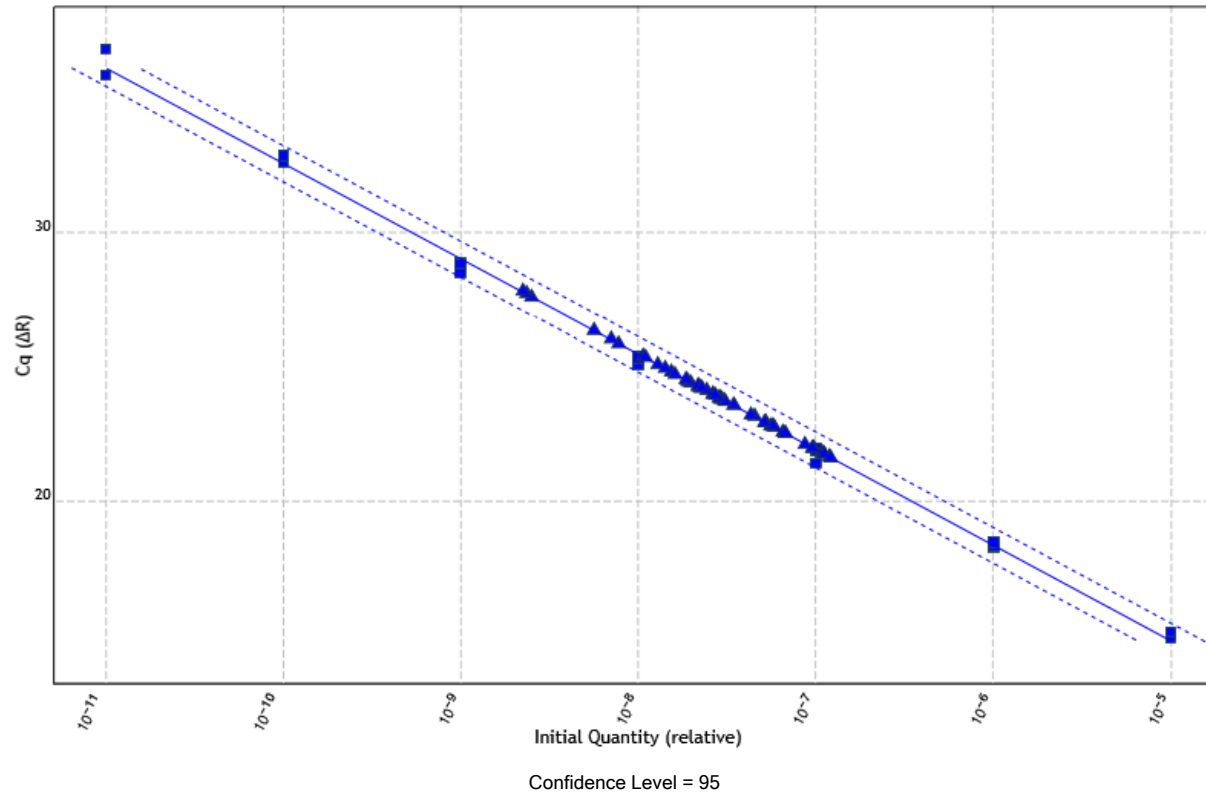


Threshold settings based on background: Start cycle = 5, End cycle = 9,
Sigma multiplier = 10, Baseline correction = Adaptive, Smoothing = Off,
Crosstalk Correction: -

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 10:06:33

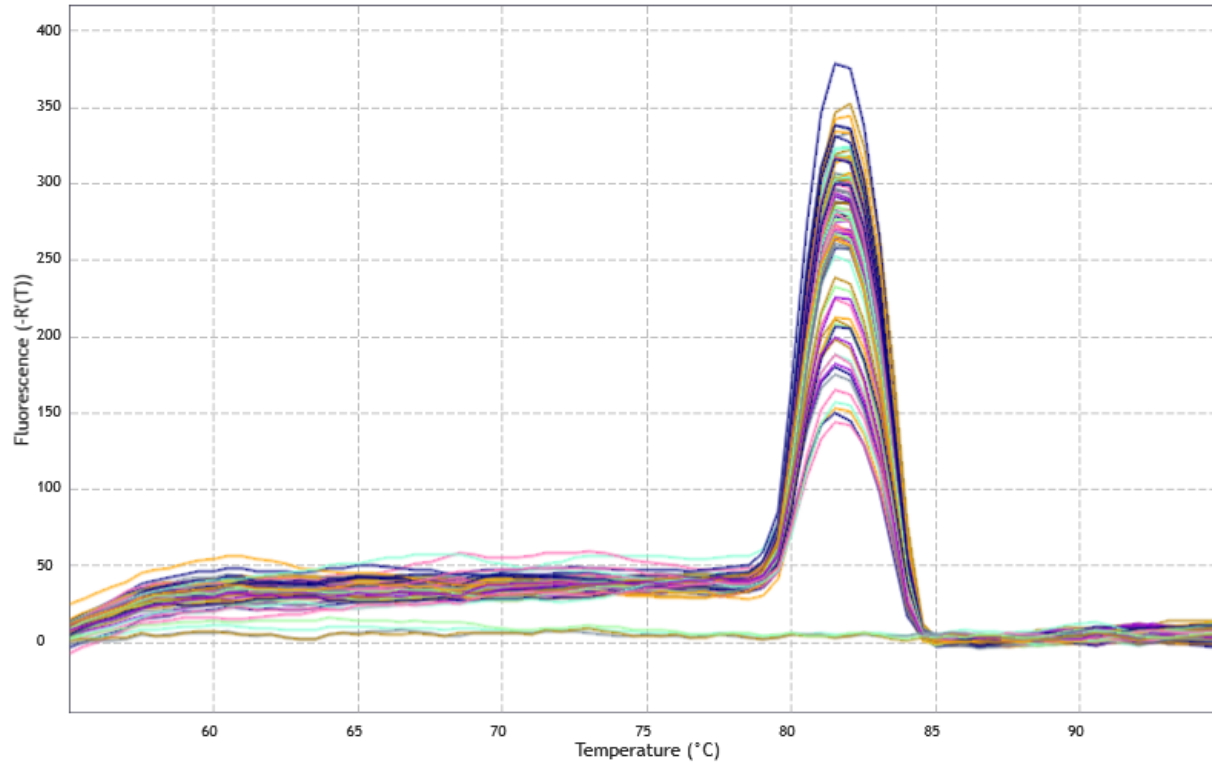
Standard Curve Plots



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 10:06:33

Melt Raw Derivative Curve

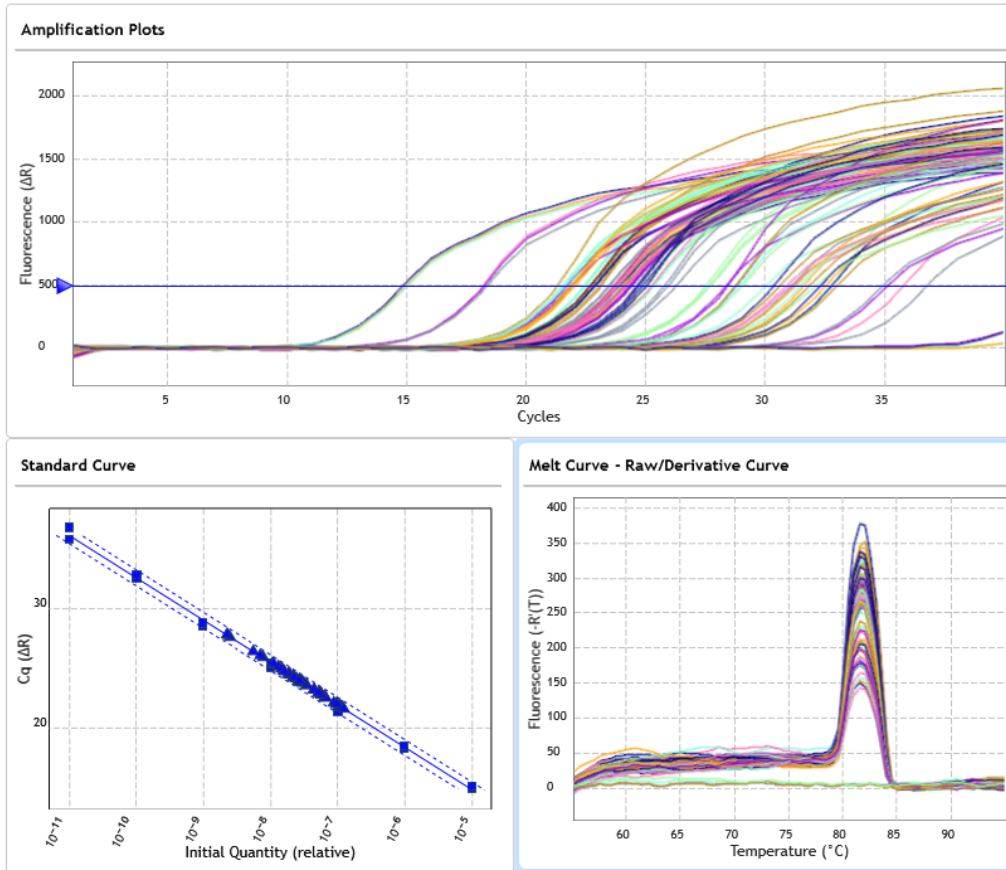


Savitzky-Golay = On, Points = 9, Normalization = Off, Temperature range : Lower = 55, Upper = 95,
Product melting temperature : Max number = 4, Min peak height = Off

Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
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Graphical Displays



Instrument Name: New_Instrument
Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06
Experiment Type: Quantitative PCR - DNA Binding Dye Including Standard Melt
Run Date: 07 Mar 2024 10:06:33

Tabular Results (1 of 8)

Target	Dye	Threshold	R ²	Slope	Efficiency
CrtYB	SYBR	500	0,998	-3,555	91,13

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (-R'(T))	Baseline Start Cycle	Baseline End Cycle	Cq (-R'(T))	Final Call (-R'(T))	Quantity (relative)
A1	Unknown	2A1	CrtYB	1	2030	1484,433	3,942	500,000	5	18	23,94	+	2,63e-008
A2	Unknown	2A1	CrtYB	1	2101	1564,347	4,112	500,000	3	18	23,77	+	2,93e-008
A3	Unknown	2A1	CrtYB	1	2076	1541,952	4,071	500,000	4	18	23,79	+	2,89e-008
A4	Unknown	2A2	CrtYB	7	2280	1695,818	4,286	500,000	3	18	24,07	+	2,42e-008
A5	Unknown	2A2	CrtYB	7	2007	1487,883	4,063	500,000	4	18	24,43	+	1,92e-008
A6	Unknown	2A2	CrtYB	7	2118	1580,900	4,376	500,000	3	18	24,24	+	2,17e-008
A7	Unknown	2A3	CrtYB	13	2034	1516,212	4,282	500,000	3	18	24,38	+	1,98e-008
A8	Unknown	2A3	CrtYB	13	2028	1496,886	4,252	500,000	4	18	24,46	+	1,88e-008
A9	Unknown	2A3	CrtYB	13	2027	1464,894	3,951	500,000	4	18	24,50	+	1,83e-008
A10	Standard	ST-5	CrtYB	---	2091	1459,000	4,250	500,000	6	9	15,02	+	1,00e-005
A11	Standard	ST-5	CrtYB	---	2127	1497,500	4,516	500,000	6	9	14,91	+	1,00e-005
A12	Standard	ST-5	CrtYB	---	2080	1432,500	4,152	500,000	6	9	15,10	+	1,00e-005
B1	Unknown	2B1	CrtYB	2	1982	1389,662	3,533	500,000	2	18	24,19	+	2,23e-008
B2	Unknown	2B1	CrtYB	2	2088	1496,926	3,563	500,000	2	18	23,95	+	2,61e-008
B3	Unknown	2B1	CrtYB	2	2234	1635,132	3,761	500,000	2	18	23,74	+	3,00e-008
B4	Unknown	2B2	CrtYB	8	2144	1511,532	3,538	500,000	3	19	25,35	+	1,06e-008
B5	Unknown	2B2	CrtYB	8	2102	1507,286	3,509	500,000	2	19	25,31	+	1,08e-008
B6	Unknown	2B2	CrtYB	8	2273	1656,474	3,769	500,000	2	19	25,06	+	1,28e-008
B7	Unknown	2B3	CrtYB	14	2384	1804,407	4,139	500,000	2	20	25,84	+	7,70e-009
B8	Unknown	2B3	CrtYB	14	2031	1456,367	3,576	500,000	2	20	26,34	+	5,55e-009
B9	Unknown	2B3	CrtYB	14	2283	1660,032	3,786	500,000	2	20	25,99	+	6,96e-009

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

Run Date: 07 Mar 2024 10:06:33

Tabular Results (2 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (-R'(T))	Slope (-R'(T))	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
2,82e-008	1,63e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,82e-008	1,63e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,82e-008	1,63e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,17e-008	2,50e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
2,17e-008	2,50e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
2,17e-008	2,50e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
1,90e-008	7,19e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
1,90e-008	7,19e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,90e-008	7,19e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-005	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-005	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-005	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,61e-008	3,82e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
2,61e-008	3,82e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,61e-008	3,82e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,14e-008	1,21e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,14e-008	1,21e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
1,14e-008	1,21e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
6,74e-009	1,09e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
6,74e-009	1,09e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
6,74e-009	1,09e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-006	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-006	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-006	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

Tabular Results (3 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (-R'(T))	Baseline Start Cycle	Baseline End Cycle	Cq (-R'(T))	Final Call (-R'(T))	Quantity (relative)
C1	Unknown	3A1	CrtYB	3	2273	1723,246	4,023	500,000	2	17	22,51	+	6,65e-008
C2	Unknown	3A1	CrtYB	3	2258	1697,234	3,866	500,000	2	17	22,56	+	6,43e-008
C3	Unknown	3A1	CrtYB	3	2316	1734,607	3,847	500,000	2	17	22,51	+	6,66e-008
C4	Unknown	3A2	CrtYB	9	2286	1707,659	3,735	500,000	2	17	22,73	+	5,78e-008
C5	Unknown	3A2	CrtYB	9	2201	1665,204	3,855	500,000	2	17	22,75	+	5,69e-008
C6	Unknown	3A2	CrtYB	9	2150	1634,797	3,846	500,000	2	17	22,79	+	5,55e-008
C7	Unknown	3A3	CrtYB	15	2418	1879,796	4,119	500,000	2	17	22,91	+	5,14e-008
C8	Unknown	3A3	CrtYB	15	2260	1714,039	3,903	500,000	2	16	23,13	+	4,46e-008
C9	Unknown	3A3	CrtYB	15	2138	1589,818	3,909	500,000	7	17	23,19	+	4,27e-008
C10	Standard	ST-7	CrtYB	---	2600	2056,754	4,530	500,000	2	15	21,38	+	1,00e-007
C11	Standard	ST-7	CrtYB	---	2169	1632,306	3,832	500,000	2	16	21,81	+	1,00e-007
C12	Standard	ST-7	CrtYB	---	2102	1555,980	3,714	500,000	2	16	21,95	+	1,00e-007
D1	Unknown	3B1	CrtYB	4	2067	1506,897	3,492	500,000	2	18	24,23	+	2,18e-008
D2	Unknown	3B1	CrtYB	4	2077	1499,868	3,411	500,000	2	18	24,26	+	2,14e-008
D3	Unknown	3B1	CrtYB	4	2127	1535,515	3,409	500,000	2	18	24,17	+	2,27e-008
D4	Unknown	3B2	CrtYB	10	2150	1571,650	3,519	500,000	2	17	22,89	+	5,20e-008
D5	Unknown	3B2	CrtYB	10	2294	1702,704	3,682	500,000	2	17	22,75	+	5,69e-008
D6	Unknown	3B2	CrtYB	10	2104	1553,624	3,501	500,000	2	17	22,93	+	5,07e-008
D7	Unknown	3B3	CrtYB	16	2300	1708,029	3,628	500,000	2	21	27,57	+	2,50e-009
D8	Unknown	3B3	CrtYB	16	2156	1564,661	3,466	500,000	2	22	27,69	+	2,31e-009
D9	Unknown	3B3	CrtYB	16	2138	1529,458	3,378	500,000	2	22	27,77	+	2,20e-009
D10	Standard	ST-8	CrtYB	---	2437	1830,669	3,862	500,000	2	19	25,06	+	1,00e-008
D11	Standard	ST-8	CrtYB	---	2235	1594,428	3,292	500,000	2	19	25,41	+	1,00e-008
D12	Standard	ST-8	CrtYB	---	2210	1634,922	3,659	500,000	2	19	25,32	+	1,00e-008

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

Tabular Results (4 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (-R'(T))	Slope (-R'(T))	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
6,58e-008	1,31e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
6,58e-008	1,31e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
6,58e-008	1,31e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
5,67e-008	1,14e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
5,67e-008	1,14e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
5,67e-008	1,14e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
4,62e-008	4,61e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
4,62e-008	4,61e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
4,62e-008	4,61e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-007	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-007	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-007	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
2,20e-008	6,37e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,20e-008	6,37e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,20e-008	6,37e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
5,32e-008	3,27e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
5,32e-008	3,27e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
5,32e-008	3,27e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,34e-009	1,49e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,34e-009	1,49e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,34e-009	1,49e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-008	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-008	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-008	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

Tabular Results (5 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (-R'(T))	Baseline Start Cycle	Baseline End Cycle	Cq (-R'(T))	Final Call (-R'(T))	Quantity (relative)
E1	Unknown	4A1	CrtYB	5	1985	1420,725	3,513	500,000	2	15	21,94	+	9,63e-008
E2	Unknown	4A1	CrtYB	5	2121	1544,633	3,651	500,000	2	16	21,76	+	1,08e-007
E3	Unknown	4A1	CrtYB	5	2185	1562,479	3,463	500,000	2	16	21,75	+	1,09e-007
E4	Unknown	4A2	CrtYB	11	2294	1655,729	3,573	500,000	2	16	21,62	+	1,19e-007
E5	Unknown	4A2	CrtYB	11	2185	1592,874	3,672	500,000	2	16	21,71	+	1,11e-007
E6	Unknown	4A2	CrtYB	11	2298	1661,033	3,689	500,000	4	16	21,59	+	1,21e-007
E7	Unknown	4A3	CrtYB	17	2387	1792,113	3,985	500,000	2	16	21,94	+	9,59e-008
E8	Unknown	4A3	CrtYB	17	2241	1637,989	3,698	500,000	2	15	22,10	+	8,69e-008
E9	Unknown	4A3	CrtYB	17	2323	1729,395	3,872	500,000	2	16	21,96	+	9,46e-008
E10	Standard	ST-9	CrtYB	---	2437	1808,212	3,887	500,000	2	23	28,49	+	1,00e-009
E11	Standard	ST-9	CrtYB	---	2152	1544,519	3,499	500,000	2	23	28,85	+	1,00e-009
E12	Standard	ST-9	CrtYB	---	2215	1624,188	3,729	500,000	2	23	28,80	+	1,00e-009
F1	Unknown	4A2	CrtYB	6	1980	1416,059	3,694	500,000	2	18	23,80	+	2,87e-008
F2	Unknown	4A2	CrtYB	6	2170	1584,426	3,794	500,000	2	18	23,53	+	3,44e-008
F3	Unknown	4A2	CrtYB	6	2188	1585,619	3,635	500,000	2	17	23,54	+	3,41e-008
F4	Unknown	4B2	CrtYB	12	2302	1709,513	3,869	500,000	2	17	23,70	+	3,07e-008
F5	Unknown	4B2	CrtYB	12	2168	1602,306	3,770	500,000	2	17	23,84	+	2,81e-008
F6	Unknown	4B2	CrtYB	12	2180	1584,324	3,798	500,000	2	18	23,90	+	2,69e-008
F7	Unknown	4B3	CrtYB	18	2307	1681,068	3,697	500,000	2	19	24,79	+	1,52e-008
F8	Unknown	4B3	CrtYB	18	2178	1583,244	3,755	500,000	2	19	24,90	+	1,41e-008
F9	Unknown	4B3	CrtYB	18	2325	1738,799	4,086	500,000	2	19	24,70	+	1,60e-008
F10	Standard	ST-10	CrtYB	---	2051	1461,640	3,494	500,000	2	26	32,83	+	1,00e-010
F11	Standard	ST-10	CrtYB	---	1736	1167,156	3,040	500,000	2	25	32,60	+	1,00e-010
F12	Standard	ST-10	CrtYB	---	1884	1319,358	3,329	500,000	6	26	32,82	+	1,00e-010

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

Tabular Results (6 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (-R'(T))	Slope (-R'(T))	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
1,04e-007	6,90e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,04e-007	6,90e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,04e-007	6,90e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,17e-007	4,87e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
1,17e-007	4,87e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
1,17e-007	4,87e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
9,25e-008	4,89e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
9,25e-008	4,89e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
9,25e-008	4,89e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-009	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-009	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-009	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
3,24e-008	3,18e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
3,24e-008	3,18e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
3,24e-008	3,18e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,86e-008	1,90e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,86e-008	1,90e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	82,00
2,86e-008	1,90e-009	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,51e-008	9,62e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,51e-008	9,62e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,51e-008	9,62e-010	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-010	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-010	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-010	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

Tabular Results (7 of 8)

Well	Well Type	Well Name	Target	Replicate	R Last	ΔR Last	RLast/ RFirst	Threshold (-R(T))	Baseline Start Cycle	Baseline End Cycle	Cq (-R'(T))	Final Call (-R'(T))	Quantity (relative)
G1	No RT	2A1	CrtYB	---	1788	1184,334	3,056	500,000	2	24	30,09	+	4,89e-010
G2	No RT	3A1	CrtYB	---	1705	1101,089	2,832	500,000	2	24	31,08	+	2,59e-010
G3	No RT	4A1	CrtYB	---	2016	1383,634	3,170	500,000	2	22	28,43	+	1,44e-009
G4	No RT	2A2	CrtYB	---	1898	1274,877	3,013	500,000	2	25	31,19	+	2,40e-010
G5	No RT	3A2	CrtYB	---	1877	1259,619	2,998	500,000	2	24	30,66	+	3,38e-010
G6	No RT	4A2	CrtYB	---	2080	1442,064	3,225	500,000	2	22	29,08	+	9,42e-010
G7	No RT	2A3	CrtYB	---	1988	1318,780	3,030	500,000	2	26	31,68	+	1,75e-010
G8	No RT	3A3	CrtYB	---	2082	1456,613	3,321	500,000	2	24	30,43	+	3,94e-010
G9	No RT	4A3	CrtYB	---	2148	1489,746	3,310	500,000	2	23	28,97	+	1,01e-009
G10	Standard	ST-11	CrtYB	---	1657	1032,023	2,664	500,000	2	30	35,83	+	1,00e-011
G11	Standard	ST-11	CrtYB	---	737	122,499	1,194	500,000	2	31	No Cq	-	No Cq
G12	Standard	ST-11	CrtYB	---	1483	884,112	2,509	500,000	2	30	36,81	+	1,00e-011
H1	No RT	2B1	CrtYB	---	1719	1110,780	2,809	500,000	2	26	33,05	+	7,20e-011
H2	No RT	3B1	CrtYB	---	1630	1042,518	2,801	500,000	2	25	32,16	+	1,28e-010
H3	No RT	4B1	CrtYB	---	1824	1198,617	2,872	500,000	2	25	31,31	+	2,22e-010
H4	No RT	2B2	CrtYB	---	1809	1187,480	2,867	500,000	2	26	32,38	+	1,11e-010
H5	No RT	3B2	CrtYB	---	1824	1200,975	2,863	500,000	2	25	31,52	+	1,94e-010
H6	No RT	4B2	CrtYB	---	1808	1178,684	2,834	500,000	2	25	30,94	+	2,82e-010
H7	No RT	2B3	CrtYB	---	1555	949,012	2,541	500,000	2	28	35,15	+	1,84e-011
H8	No RT	3B3	CrtYB	---	1608	988,977	2,598	500,000	2	29	34,95	+	2,10e-011
H9	No RT	4B3	CrtYB	---	1830	1214,001	2,985	500,000	2	25	31,91	+	1,51e-010
H10	NTC	NTC	CrtYB	---	630	31,801	1,084	500,000	2	40	No Cq	-	No Cq
H11	NTC	NTC	CrtYB	---	631	33,079	1,090	500,000	2	40	No Cq	-	No Cq
H12	NTC	NTC	CrtYB	---	688	121,278	1,218	500,000	2	33	No Cq	-	No Cq

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

Tabular Results (8 of 8)

Quantity Avg. (relative)	Quantity SD (relative)	R ² (-R'(T))	Slope (-R'(T))	Efficiency (%)	Melt Smoothing #	Melt Norm.	Tm Product 1 (-R'(T))
4,89e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,59e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,44e-009	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,40e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
3,38e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
9,42e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,75e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
3,94e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,01e-009	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,00e-011	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
No Cq	No Cq	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	90,50
1,00e-011	0,00e+000	0,998	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
7,20e-011	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,28e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,22e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,11e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,94e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,82e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,84e-011	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
2,10e-011	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
1,51e-010	N/A	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	81,50
No Cq	No Cq	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	66,50
No Cq	No Cq	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	73,00
No Cq	No Cq	No Cq for CrtYB Standards	No Cq for CrtYB Standards	No Cq for CrtYB Standards	9	Off	64,00

Instrument Name: New_Instrument

Instrument Type: AriaMx

Experiment Name: bcar-c-crtyb-24-03-06

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

Run Date: 07 Mar 2024 10:06:33

Experiment Notes

< no experiment notes >