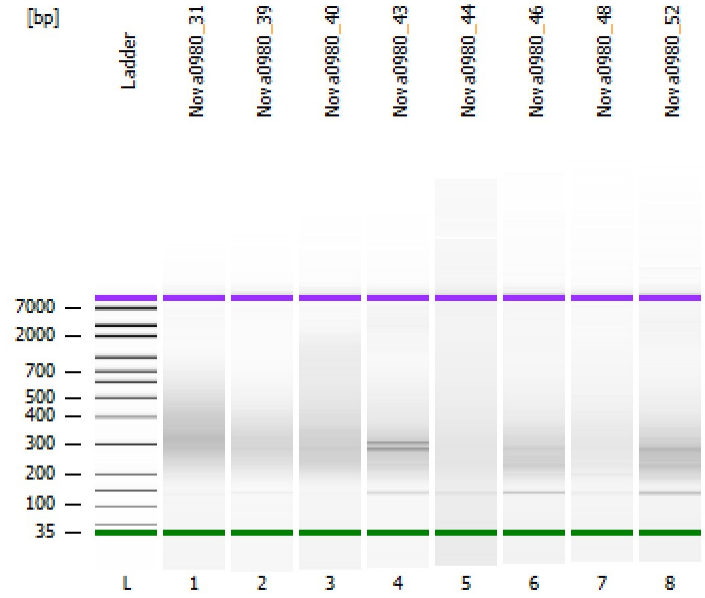
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

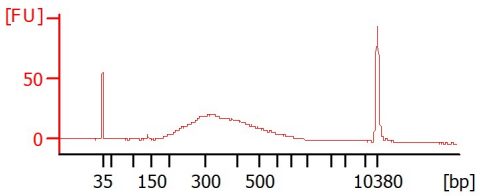
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

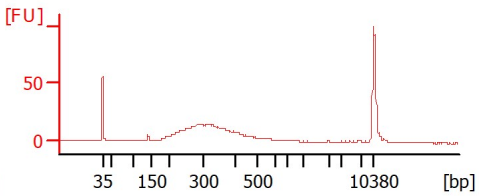
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

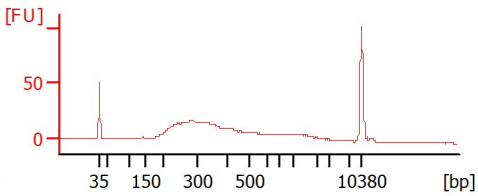
Nova0980_31



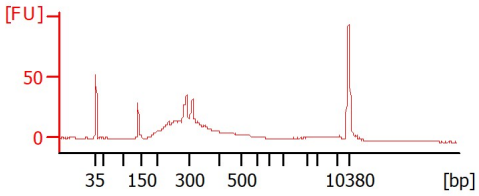
Nova0980_39



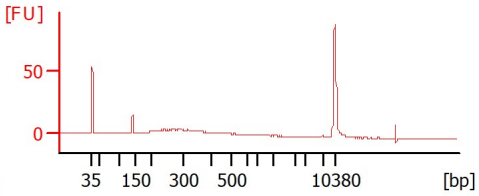
Nova0980_40



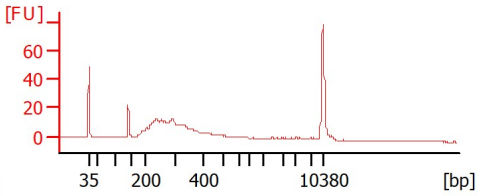
Nova0980_43



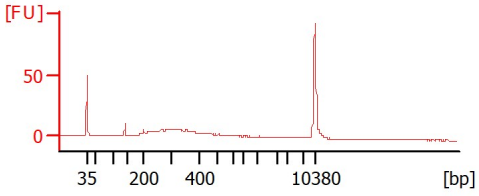
Nova0980_44



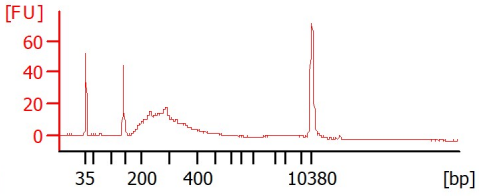
Nova0980_46



Nova0980_48



Nova0980_52



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu Observations	Result Label	Result Color
Nova0980_31		☐	✔		
Nova0980_39		☐	✔		
Nova0980_40		☐	✔		
Nova0980_43		☐	✔		
Nova0980_44		☐	✔		
Nova0980_46		☐	✔		
Nova0980_48		☐	✔		
Nova0980_52		☐	✔		
Ladder		☐	✔		

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/µl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/µl] : 125
Upper Marker Concentration [pg/µl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

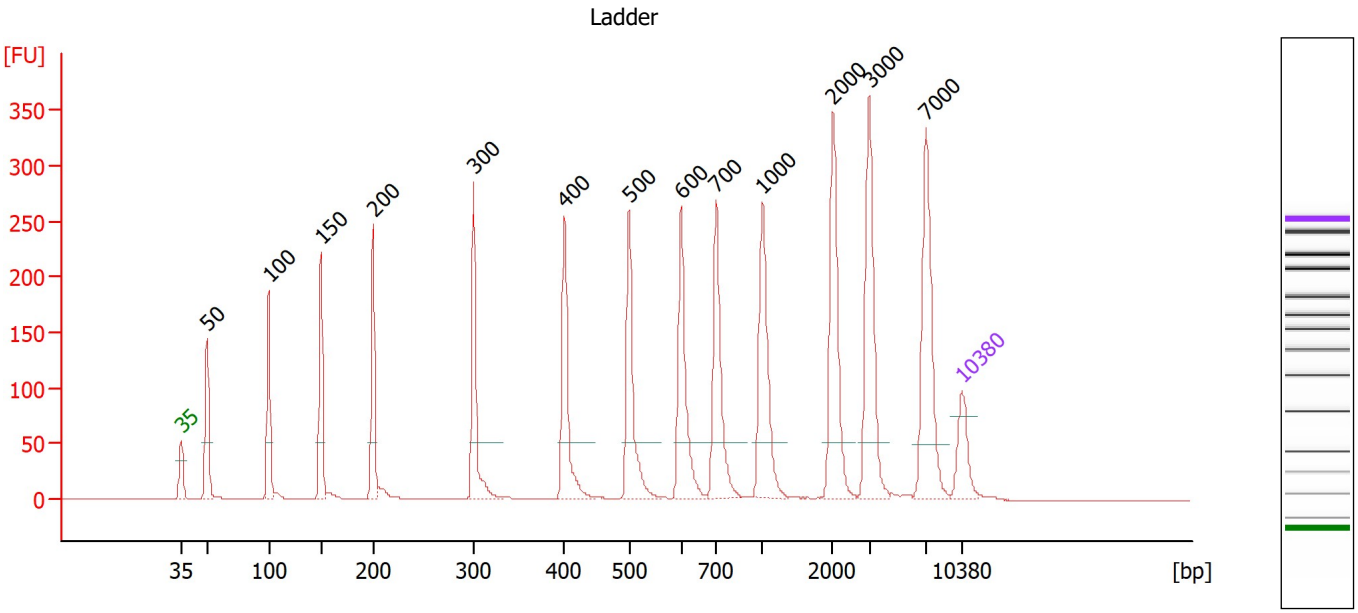
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

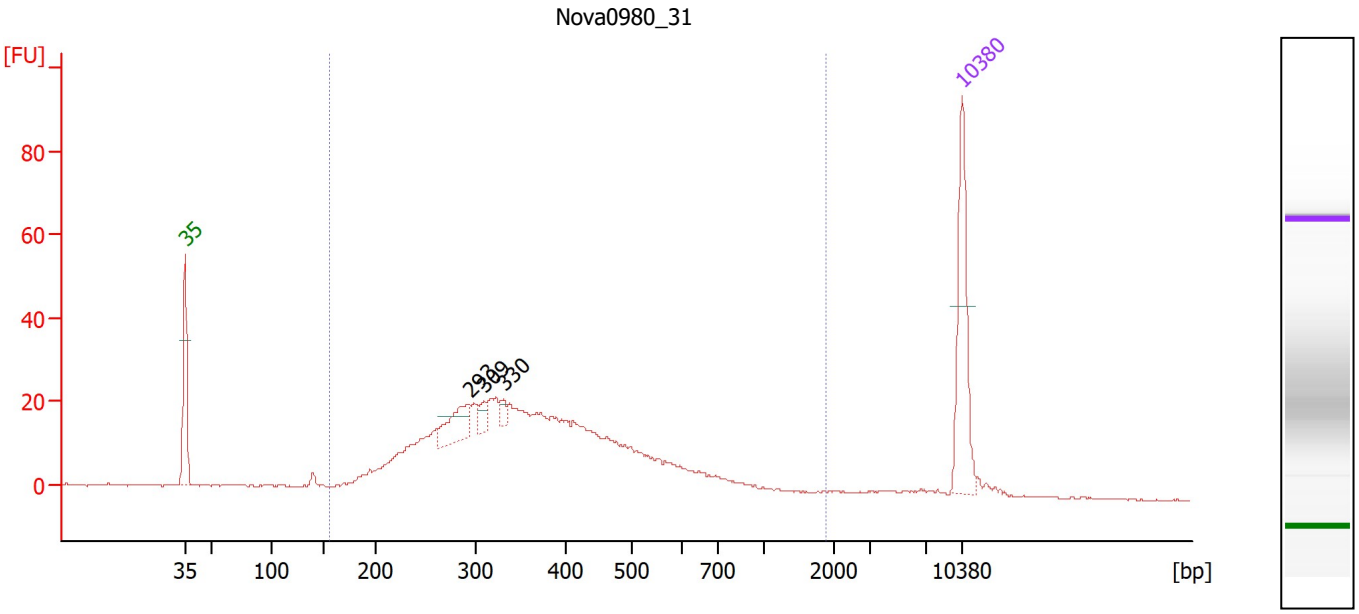
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		50	150.00	4,545.5	Ladder Peak
3		100	150.00	2,272.7	Ladder Peak
4		150	150.00	1,515.2	Ladder Peak
5		200	150.00	1,136.4	Ladder Peak
6		300	150.00	757.6	Ladder Peak
7		400	150.00	568.2	Ladder Peak
8		500	150.00	454.5	Ladder Peak
9		600	150.00	378.8	Ladder Peak
10		700	150.00	324.7	Ladder Peak
11		1,000	150.00	227.3	Ladder Peak
12		2,000	150.00	113.6	Ladder Peak
13		3,000	150.00	75.8	Ladder Peak
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova0980_31

Number of peaks found:	3	Corr. Area 1:	598.2
Noise:	0.2		

Peak table for sample 1 : Nova0980_31

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	293	43.90	227.1	
3	309	11.75	57.6	
4	330	7.24	33.2	
5	10,380	75.00	10.9	Upper Marker

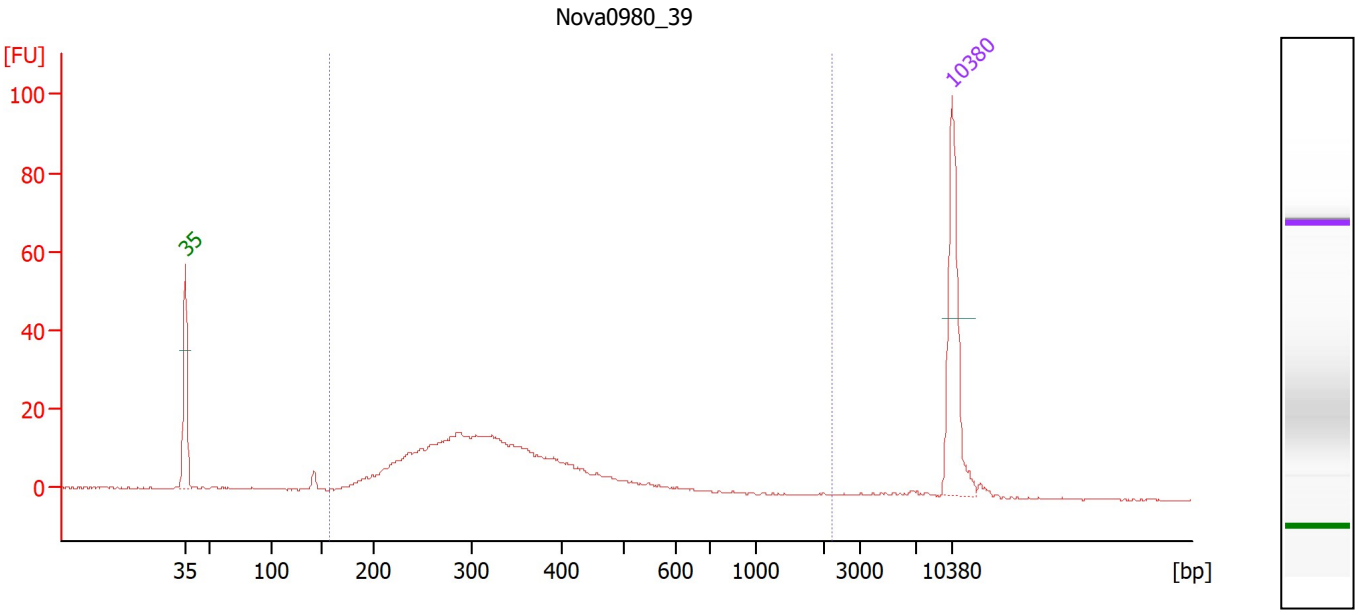
Region table for sample 1 : Nova0980_31

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
155	1,893	598.2	95	393	44.4	850.76	3,890.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova0980_39

Number of peaks found:	0	Corr. Area 1:	344.9
Noise:	0.2		

Peak table for sample 2 : Nova0980_39

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

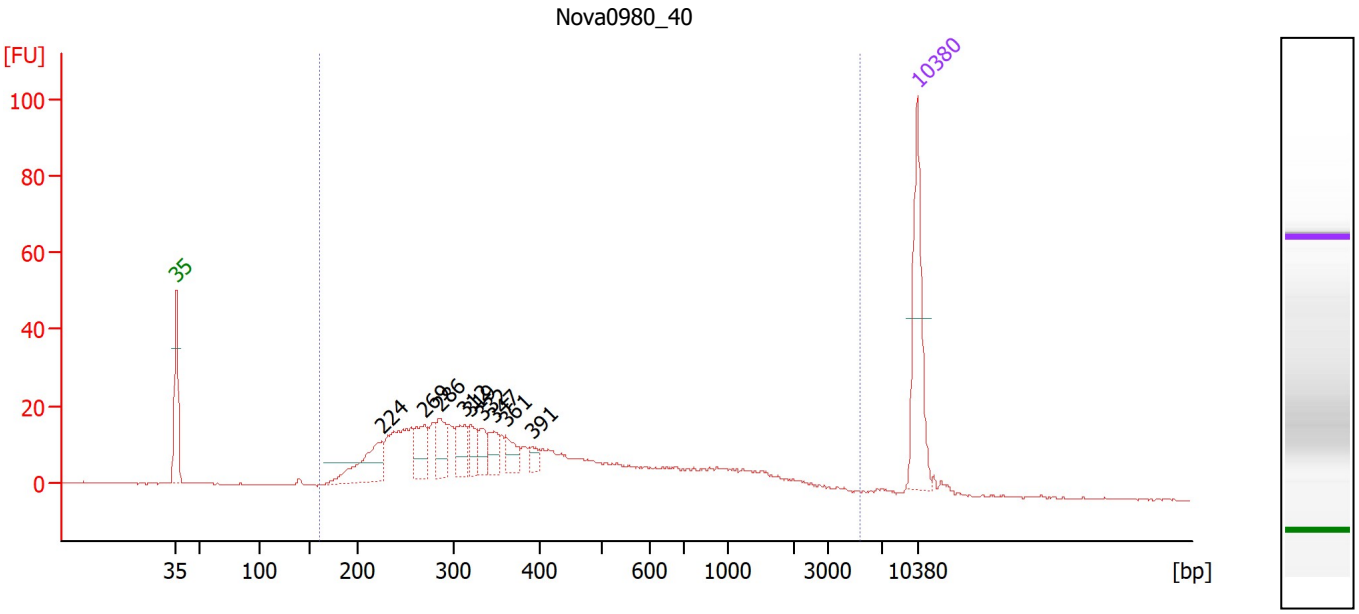
Region table for sample 2 : Nova0980_39

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
157	2,205	344.9	94	351	47.6	442.72	2,203.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova0980_40

Number of peaks found:	9	Corr. Area 1:	565.9
Noise:	0.2		

Peak table for sample 3 : Nova0980_40

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		224	68.69	463.9	
3		269	39.45	222.1	
4		286	34.89	184.8	
5		312	29.03	140.8	
6		319	21.20	100.6	
7		332	19.14	87.3	
8		347	21.20	92.6	
9		361	20.25	85.0	
10		391	9.23	35.8	
11	▶	10,380	75.00	10.9	Upper Marker

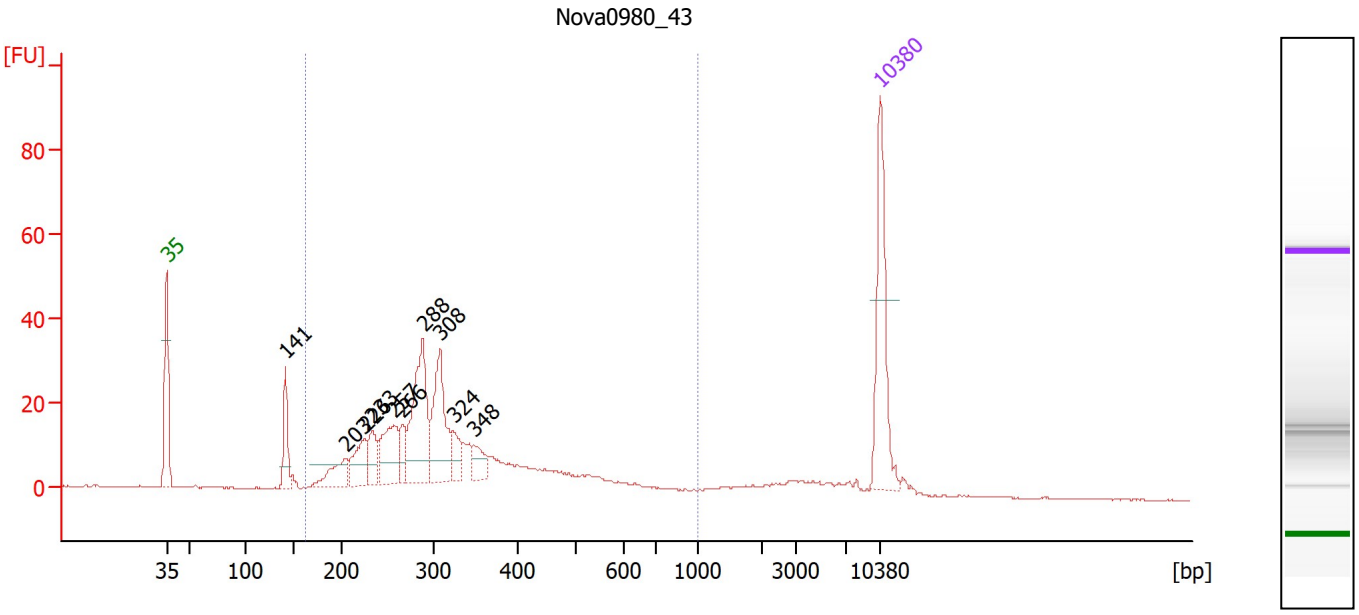
Region table for sample 3 : Nova0980_40

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
161	5,375	565.9	95	558	100.0	762.09	3,445.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova0980_43

Number of peaks found:	10	Corr. Area 1:	436.3
Noise:	0.2		

Peak table for sample 4 : Nova0980_43

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		141	41.91	450.9	
3		203	34.09	253.8	
4		226	41.03	275.6	
5		233	28.98	188.3	
6		257	58.75	346.3	
7		266	22.28	127.1	
8		288	112.23	589.5	
9		308	87.30	428.9	
10		324	22.22	104.0	
11		348	21.05	91.6	
12	▶	10,380	75.00	10.9	Upper Marker

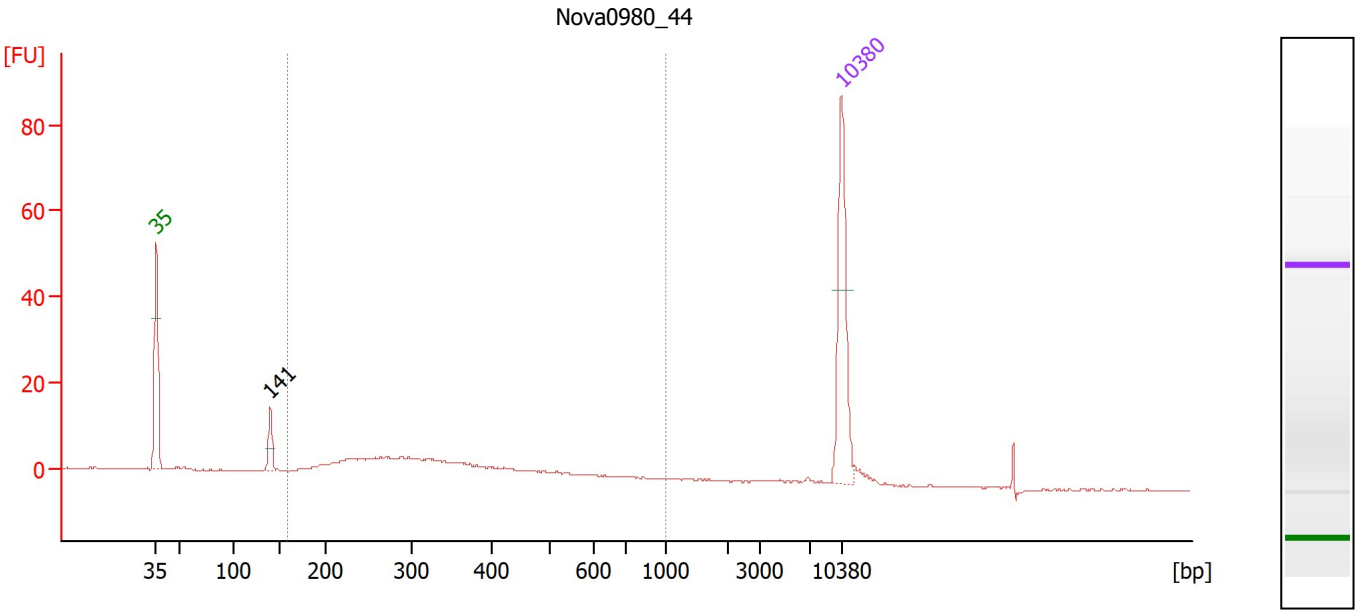
Region table for sample 4 : Nova0980_43

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
162	1,000	436.3	84	333	35.2	640.82	3,296.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova0980_44

Number of peaks found:	1	Corr. Area 1:	109.8
Noise:	0.1		

Peak table for sample 5 : Nova0980_44

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		141	22.21	239.0	
3	▶	10,380	75.00	10.9	Upper Marker

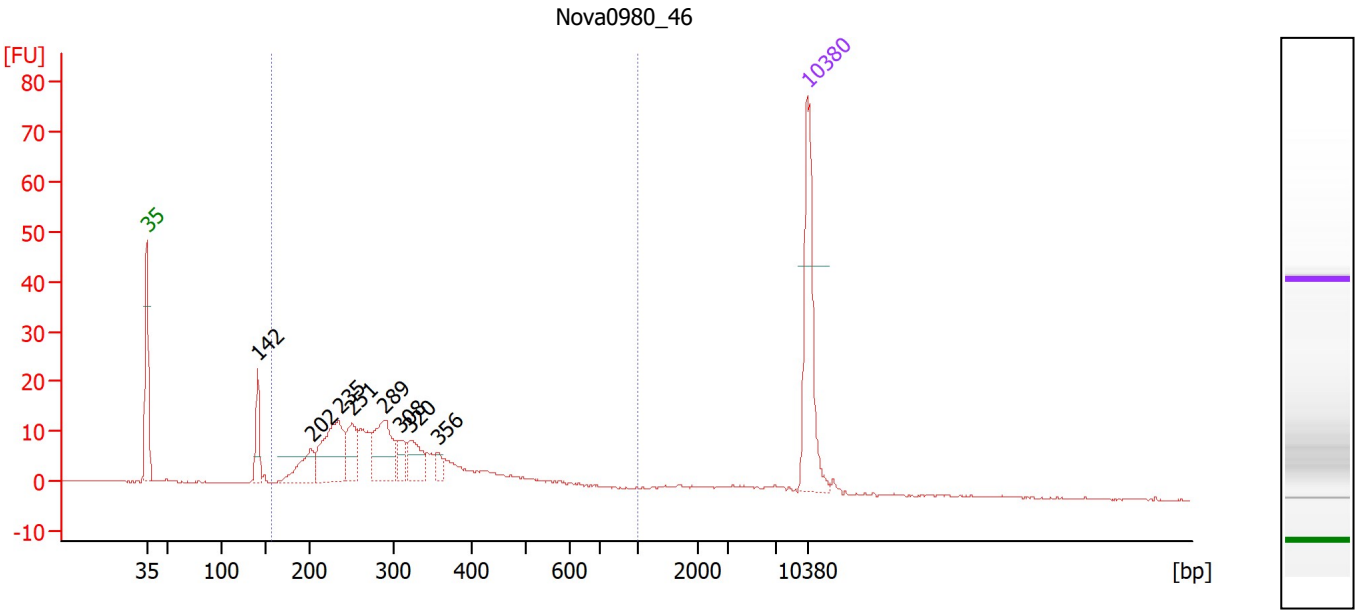
Region table for sample 5 : Nova0980_44

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
160	1,000	109.8	77	348	38.3	171.80	878.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova0980_46

Number of peaks found:	8	Corr. Area 1:	268.1
Noise:	0.1		

Peak table for sample 6 : Nova0980_46

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		142	34.91	373.0	
3		202	35.59	266.6	
4		235	81.72	527.1	
5		251	32.94	198.6	
6		289	59.10	309.8	
7		308	15.02	73.9	
8		320	27.38	129.4	
9		356	9.22	39.2	
10	▶	10,380	75.00	10.9	Upper Marker

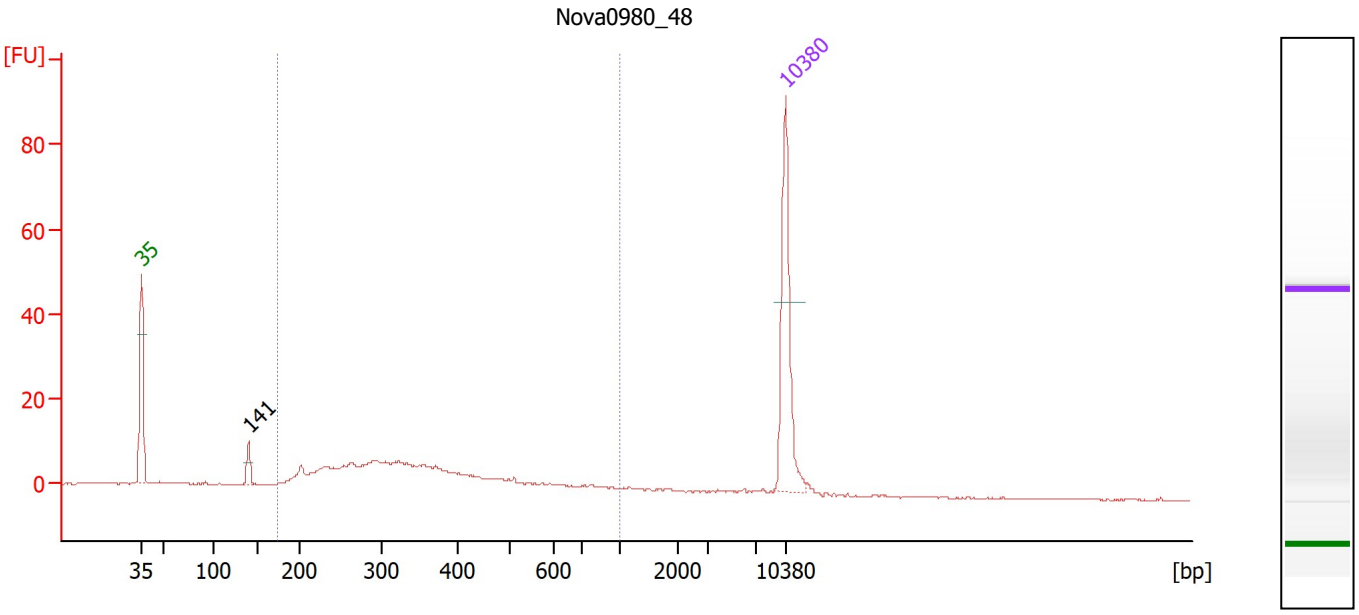
Region table for sample 6 : Nova0980_46

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
158	1,000	268.1	85	317	35.4	440.04	2,382.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova0980_48

Number of peaks found:	1	Corr. Area 1:	169.3
Noise:	0.2		

Peak table for sample 7 : Nova0980_48

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	141	13.67	147.3	
3	10,380	75.00	10.9	Upper Marker

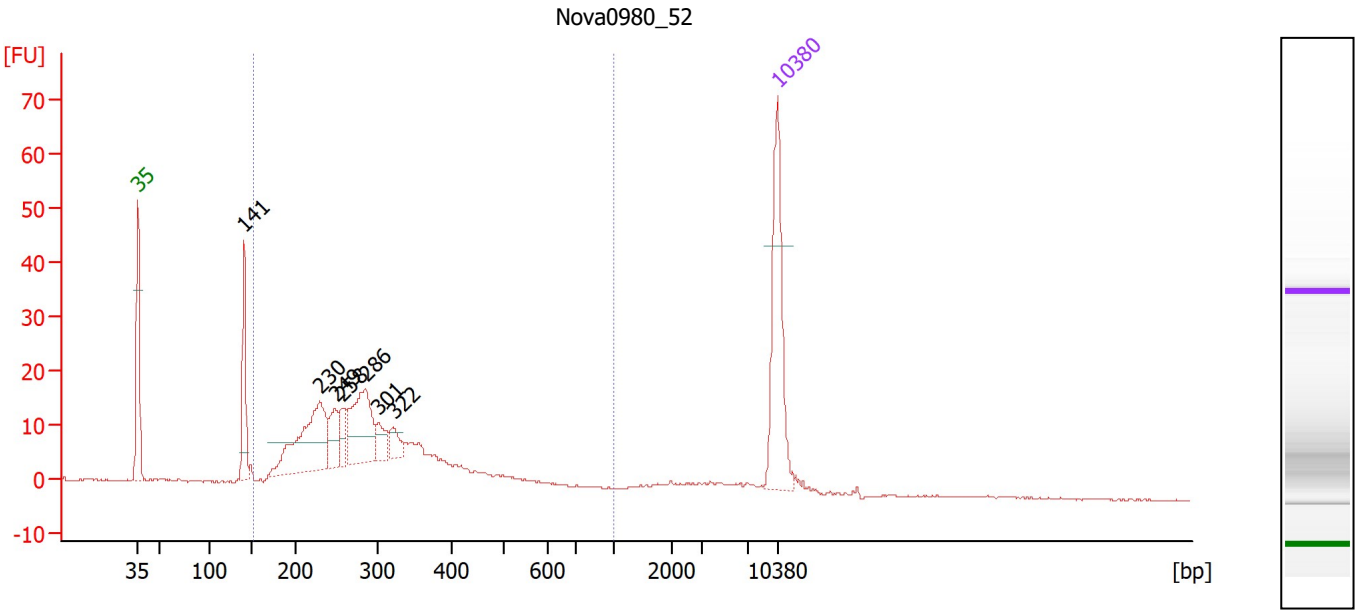
Region table for sample 7 : Nova0980_48

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
175	1,000	169.3	81	365	39.4	240.72	1,179.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova0980_52

Number of peaks found:	7	Corr. Area 1:	318.0
Noise:	0.2		

Peak table for sample 8 : Nova0980_52

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	141	65.63	705.7	
3	230	110.85	730.4	
4	249	27.67	168.5	
5	258	19.22	112.9	
6	286	78.69	416.2	
7	301	18.76	94.5	
8	322	15.36	72.4	
9	10,380	75.00	10.9	Upper Marker

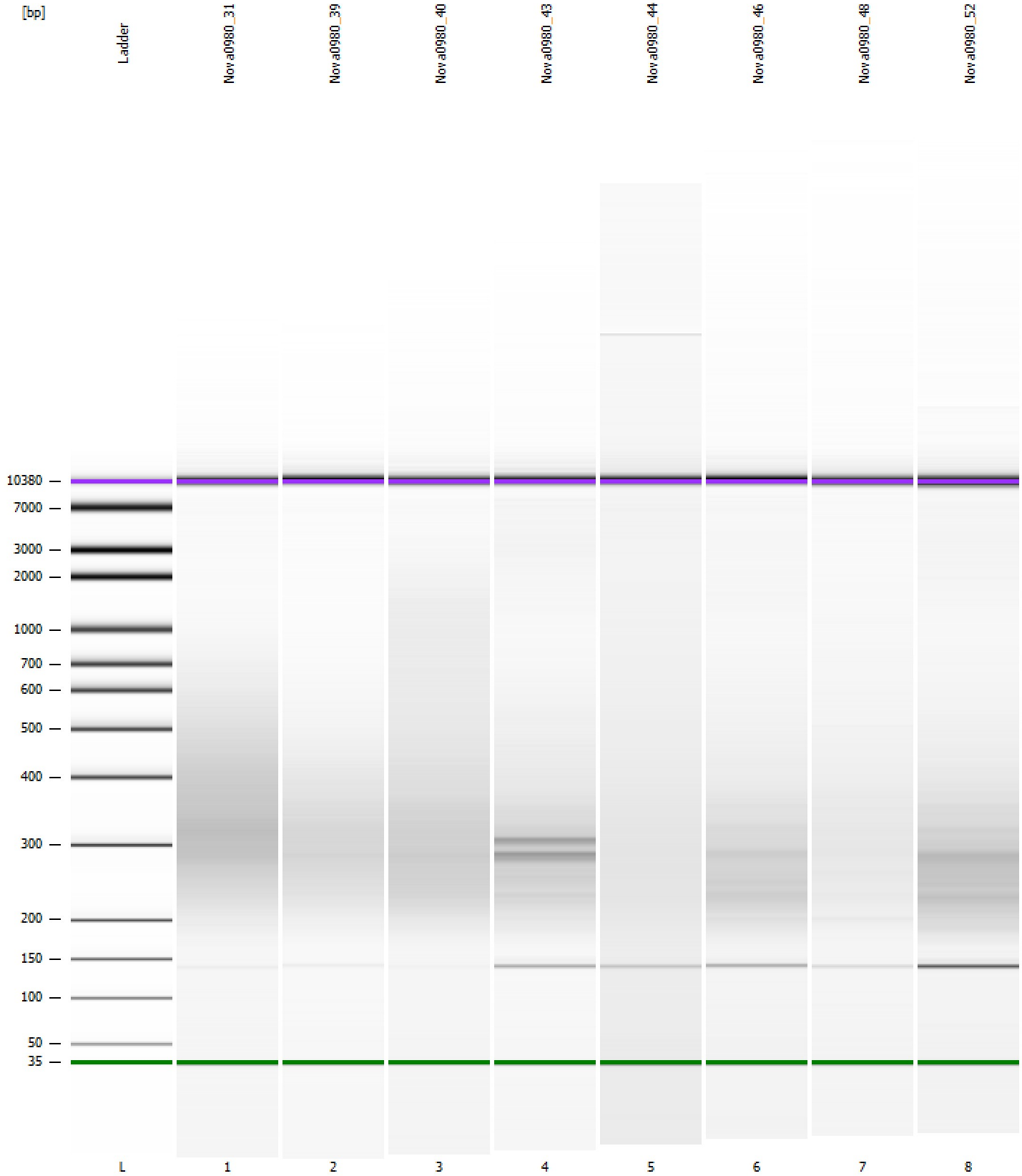
Region table for sample 8 : Nova0980_52

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
153	1,000	318.0	82	307	33.6	507.24	2,805.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Gel Image

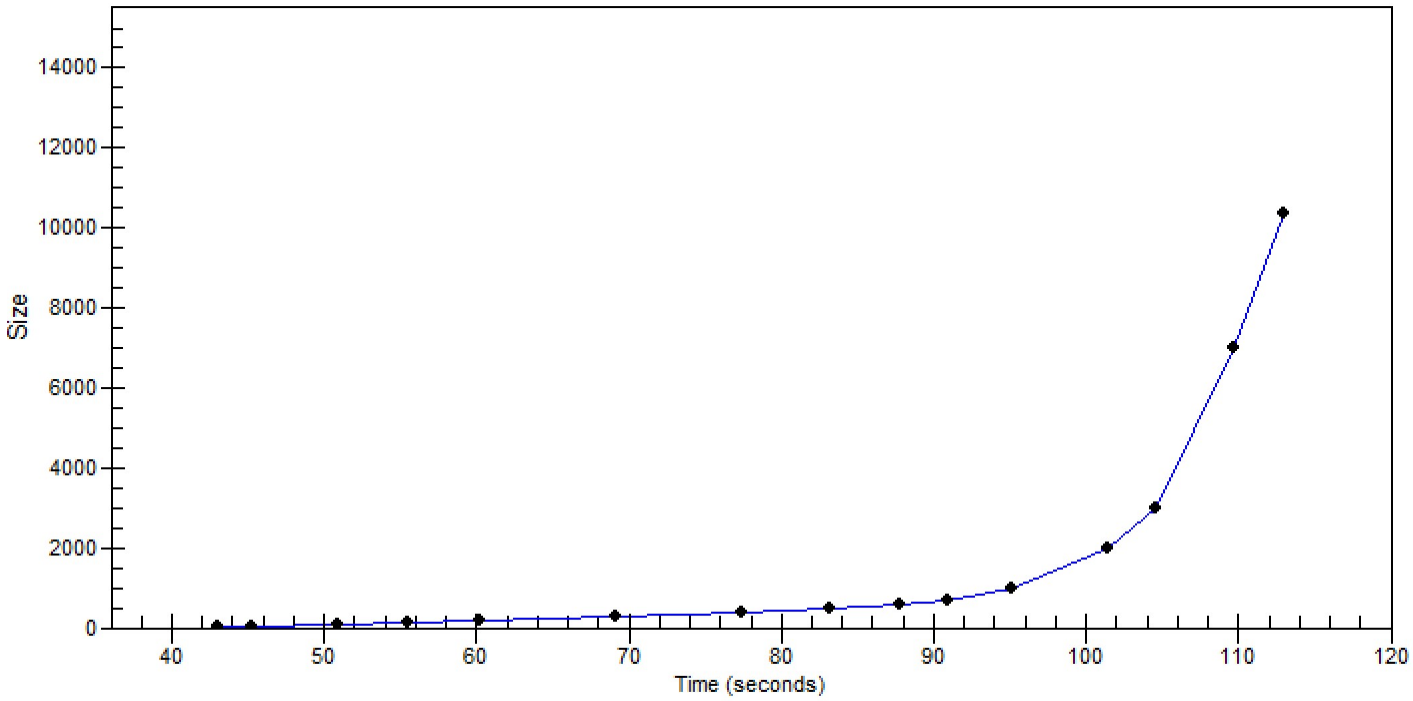


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2023-10-31\Nova0980_remakes_0.95XBC.xad

Created: 10/31/2023 11:36:17 AM
Modified: 10/31/2023 12:46:16 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/31/2023 12:17:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-31\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-31_001.xad)		Instrument	Run		10/31/2023 11:36:27 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Product Number : G2938C		Instrument	Run		10/31/2023 11:36:27 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		10/31/2023 11:36:27 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		10/31/2023 11:36:27 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		10/31/2023 11:36:27 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		10/31/2023 11:36:27 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		10/31/2023 11:36:27 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB