

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

Created: 10/19/2023 4:33:32 PM
Modified: 10/19/2023 5:22:31 PM

Electrophoresis File Run Summary

Instrument Information:

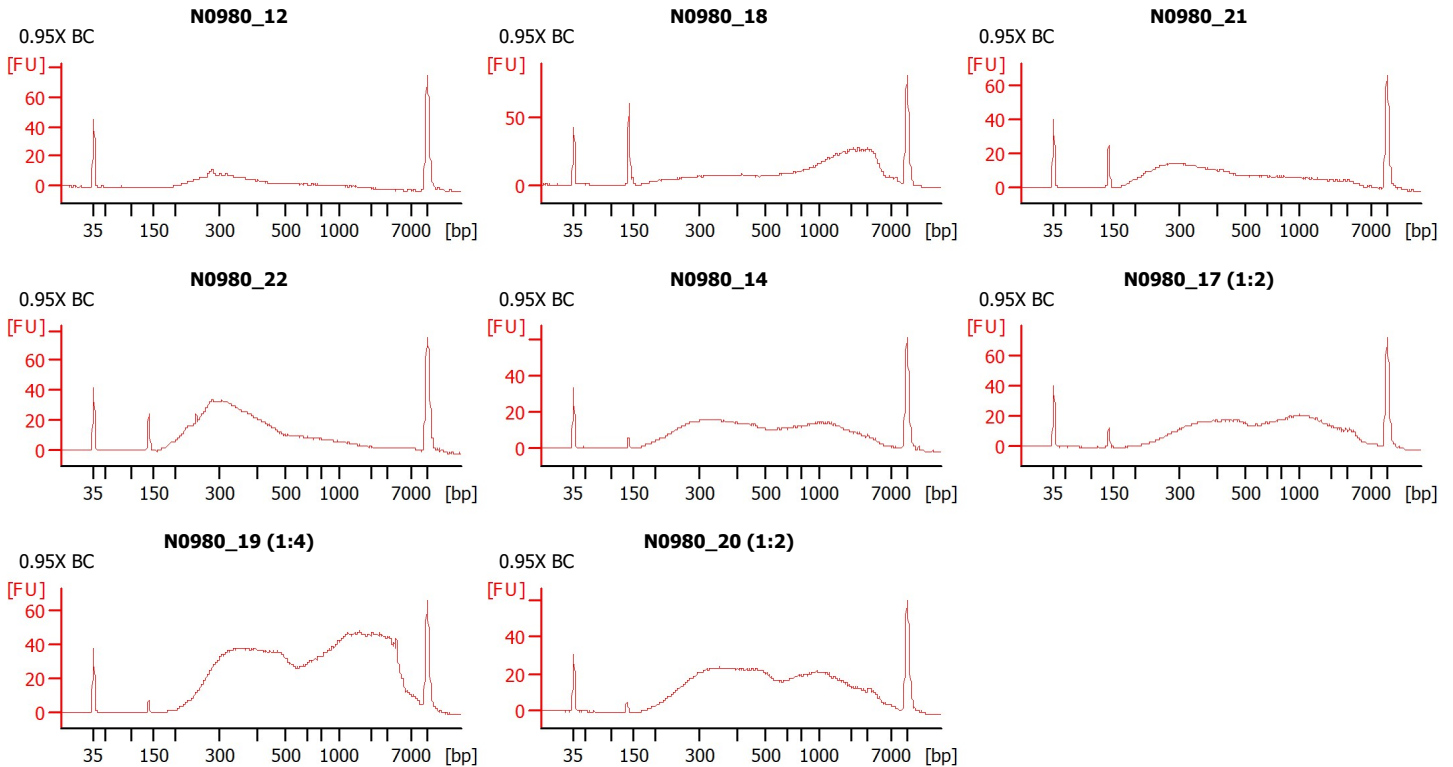
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
N0980_12	0.95X BC	<input type="checkbox"/>		✓		
N0980_18	0.95X BC	<input type="checkbox"/>		✓		
N0980_21	0.95X BC	<input type="checkbox"/>		✓		
N0980_22	0.95X BC	<input type="checkbox"/>		✓		
N0980_14	0.95X BC	<input type="checkbox"/>		✓		
N0980_17 (1:2)	0.95X BC	<input type="checkbox"/>		✓		
N0980_19 (1:4)	0.95X BC	<input type="checkbox"/>		✓		
N0980_20 (1:2)	0.95X BC	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

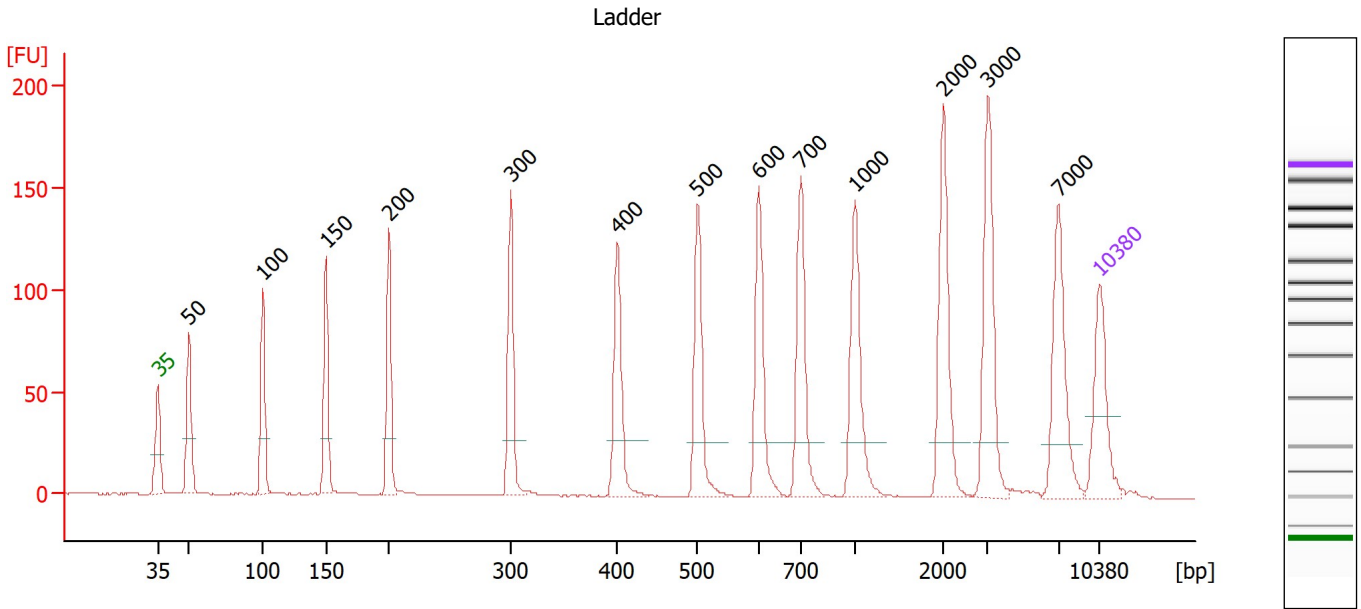
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

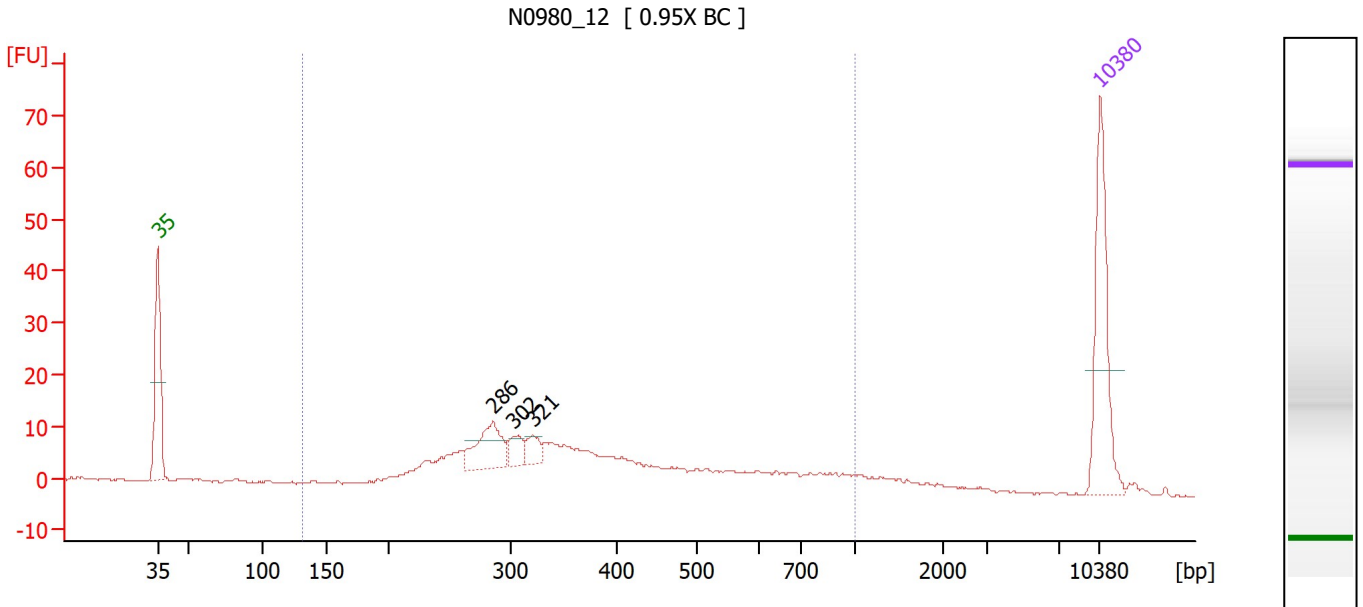
Peak table for Ladder

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

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Electropherogram Summary Continued ...



Overall Results for sample 4 : N0980_12

Number of peaks found: 3 Corr. Area 1: 230.8
 Noise: 0.1

Peak table for sample 4 : N0980_12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	286	50.73	268.9	
3	302	16.33	81.9	
4	321	15.47	73.1	
5	10,380	75.00	10.9	Upper Marker

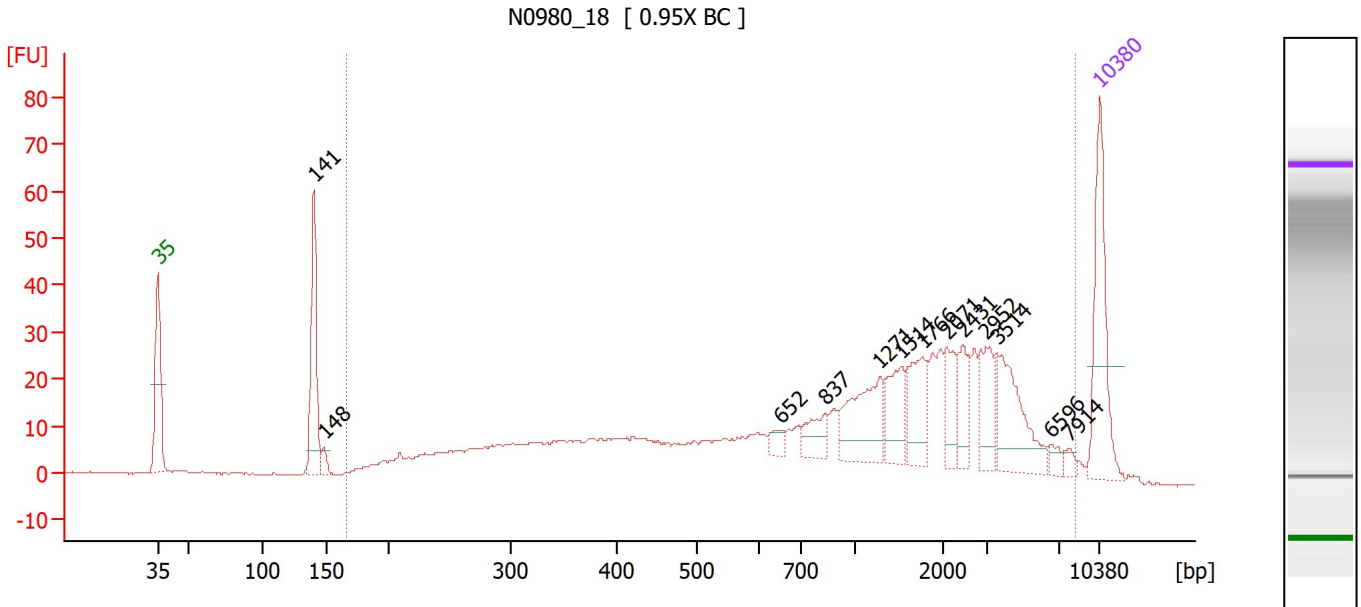
Region table for sample 4 : N0980_12

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
131	1,000	230.8	89	400	41.2	410.28	1,859.5	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 5 : N0980_18

Number of peaks found: 13 Corr. Area 1: 695.0
 Noise: 0.2

Peak table for sample 5 : N0980_18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	141	110.51	1,191.0	
3	148	9.30	95.1	
4	652	10.52	24.4	
5	837	25.03	45.3	
6	1,271	64.35	76.7	
7	1,514	36.34	36.4	
8	1,766	42.67	36.6	
9	2,071	27.24	19.9	
10	2,431	23.80	14.8	
11	2,952	34.12	17.5	
12	3,514	62.65	27.0	
13	6,596	7.53	1.7	
14	7,914	5.90	1.1	
15	10,380	75.00	10.9	Upper Marker

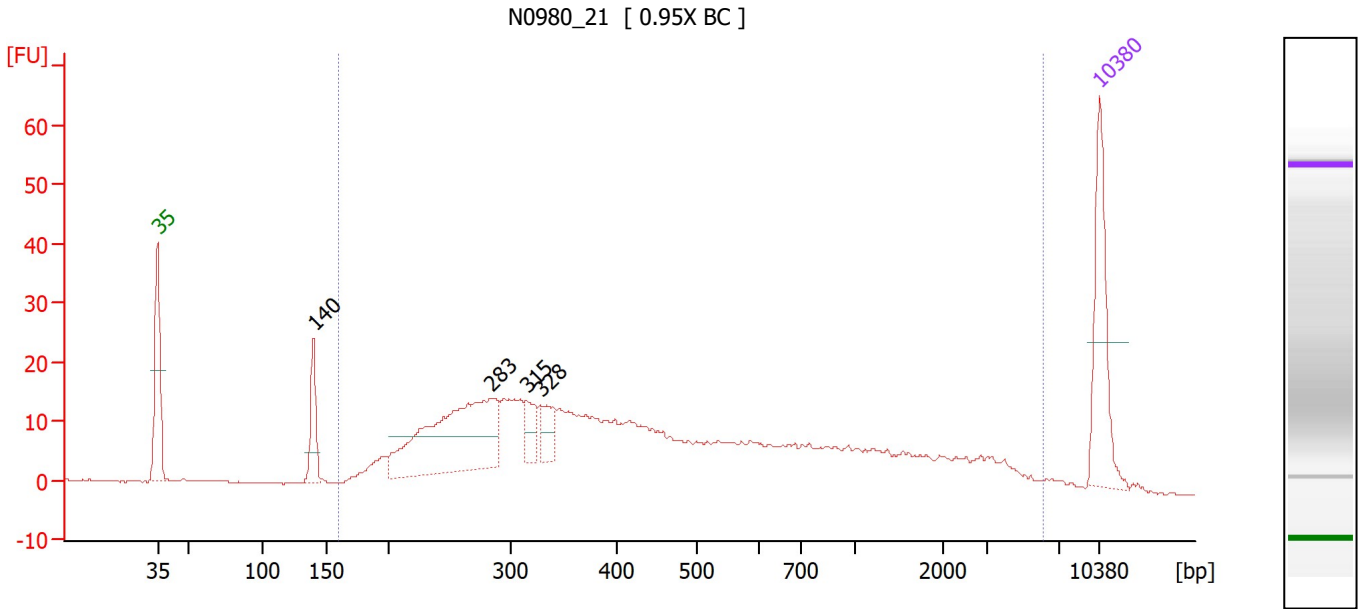
Region table for sample 5 : N0980_18

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
166	8,355	695.0	90	1,682	94.3	1,029.78	2,740.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : N0980_21

Number of peaks found: 4 Corr. Area 1: 512.9
 Noise: 0.1

Peak table for sample 6 : N0980_21

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	140	52.40	565.7	
3	283	220.77	1,180.0	
4	315	24.86	119.5	
5	328	28.40	131.1	
6	10,380	75.00	10.9	Upper Marker

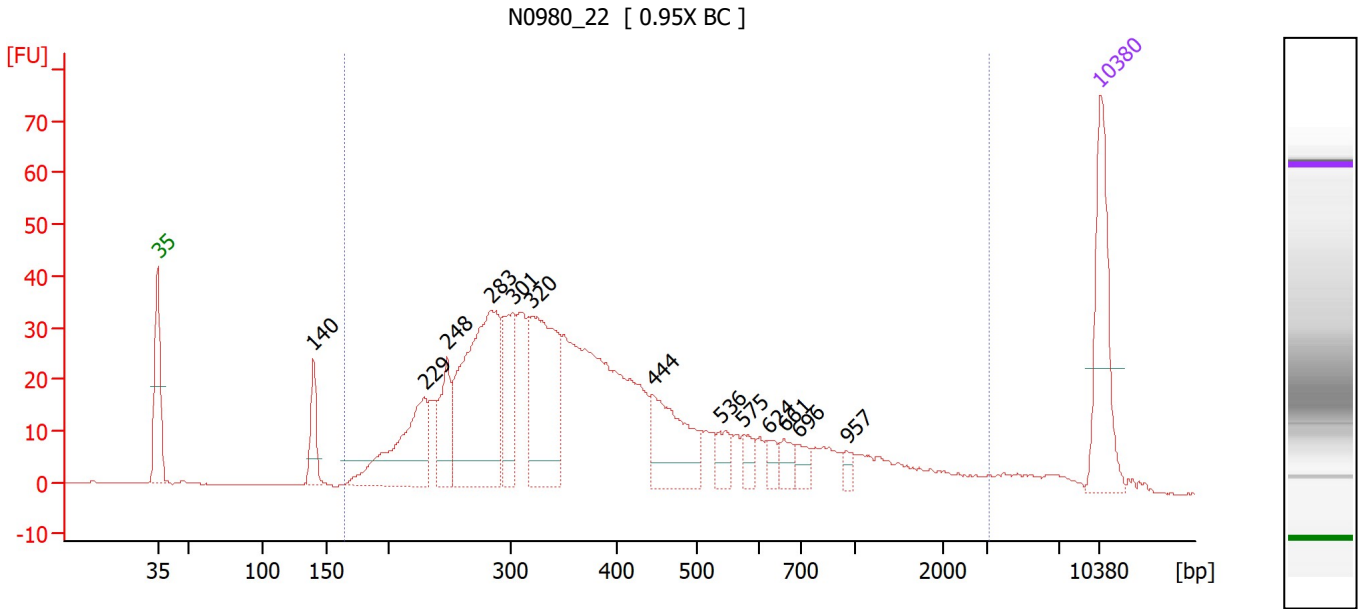
Region table for sample 6 : N0980_21

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
161	6,074	512.9	95	735	100.0	1,032.02	4,310.3	Blue

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 Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : N0980_22

Number of peaks found: 13 Corr. Area 1: 861.1
 Noise: 0.1

Peak table for sample 7 : N0980_22

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	140	41.61	450.3	
3	229	123.12	815.7	
4	248	56.62	346.5	
5	283	233.97	1,252.0	
6	301	59.22	297.6	
7	320	157.87	748.3	
8	444	88.32	301.7	
9	536	19.94	56.3	
10	575	14.02	36.9	
11	624	10.71	26.0	
12	661	14.62	33.5	
13	696	13.58	29.6	
14	957	7.36	11.7	
15	10,380	75.00	10.9	Upper Marker

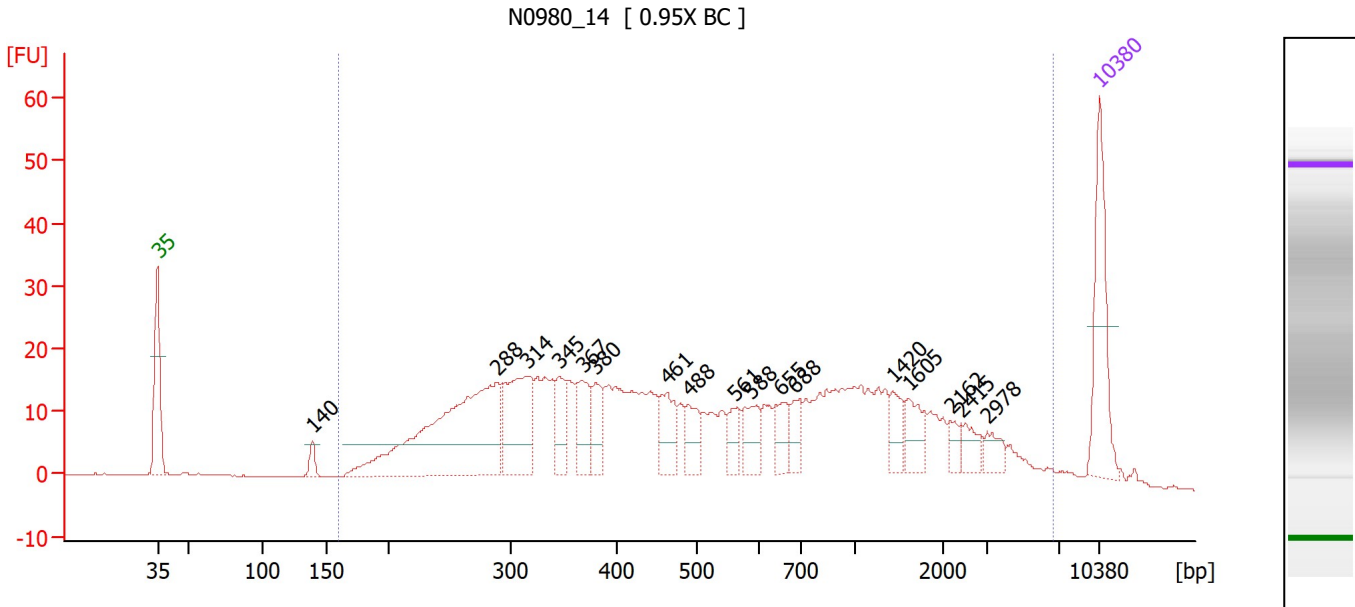
Region table for sample 7 : N0980_22

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
165	3,036	861.1	95	471	80.0	1,322.94	5,932.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : N0980_14

Number of peaks found: 17 Corr. Area 1: 664.3
 Noise: 0.1

Peak table for sample 8 : N0980_14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	140	13.52	146.6	
3	288	296.16	1,555.8	
4	314	109.61	528.4	
5	345	41.18	180.9	
6	367	40.36	166.8	
7	380	33.06	132.0	
8	461	43.72	143.8	
9	488	31.73	98.6	
10	561	20.80	56.2	
11	588	30.96	79.8	
12	655	26.05	60.3	
13	688	20.85	45.9	
14	1,420	21.41	22.8	
15	1,605	24.72	23.3	
16	2,162	9.98	7.0	
17	2,415	15.69	9.8	
18	2,978	14.24	7.2	
19	10,380	75.00	10.9	Upper Marker

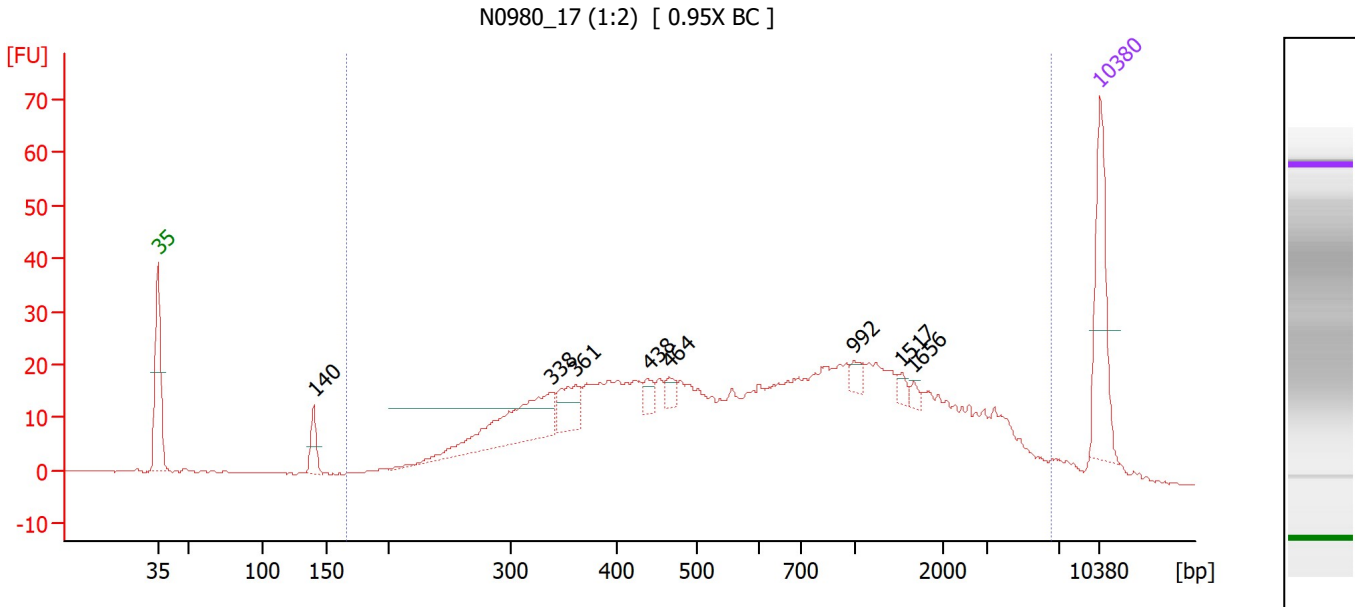
Region table for sample 8 : N0980_14

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
161	6,734	664.3	98	846	100.0	1,451.94	5,348.5	Blue

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 Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : N0980_17 (1:2)

Number of peaks found: 8 Corr. Area 1: 757.4
 Noise: 0.1

Peak table for sample 9 : N0980_17 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	140	28.43	306.8	
3	338	117.82	527.5	
4	361	40.02	168.2	
5	438	12.17	42.1	
6	464	11.38	37.1	
7	992	9.72	14.8	
8	1,517	6.53	6.5	
9	1,656	5.07	4.6	
10	10,380	75.00	10.9	Upper Marker

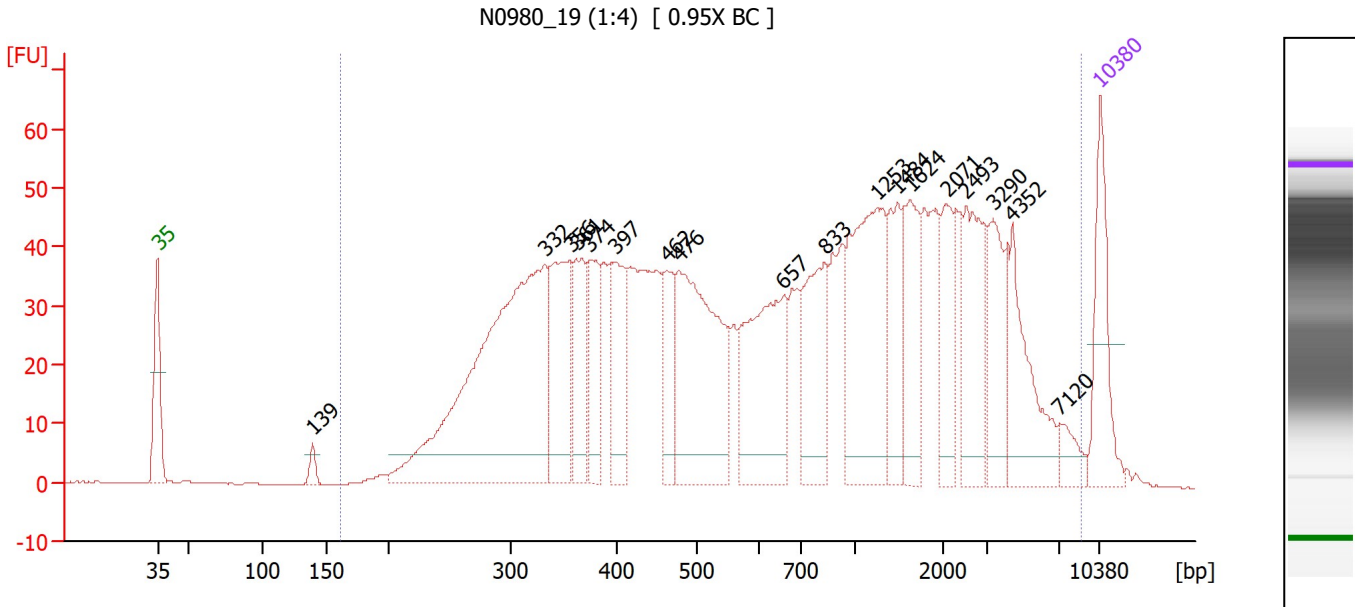
Region table for sample 9 : N0980_17 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
167	6,587	757.4	97	1,011	100.0	1,447.60	4,378.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : N0980_19 (1:4)

Number of peaks found: 18 Corr. Area 1: 1,781.5
 Noise: 0.1

Peak table for sample 10 : N0980_19 (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	139	14.29	155.2	
3	332	556.45	2,537.0	
4	356	140.17	597.2	
5	361	93.14	390.5	
6	374	79.26	321.2	
7	397	95.52	364.4	
8	462	63.42	208.1	
9	476	254.75	810.6	
10	657	180.30	415.6	
11	833	111.54	202.8	
12	1,253	195.73	236.7	
13	1,484	71.27	72.8	
14	1,624	78.40	73.1	
15	2,071	64.94	47.5	
16	2,493	98.90	60.1	
17	3,290	74.53	34.3	
18	4,352	96.19	33.5	
19	7,120	21.19	4.5	
20	10,380	75.00	10.9	Upper Marker

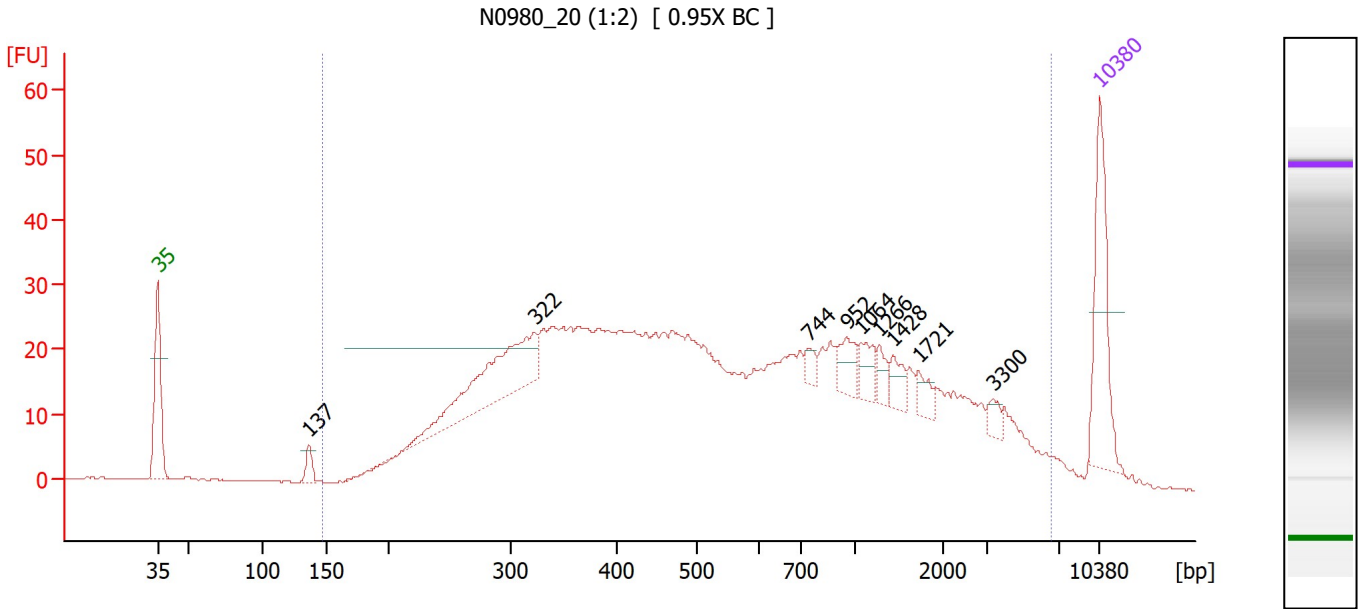
Region table for sample 10 : N0980_19 (1:4)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
161	8,854	1,781.5	98	1,292	100.0	3,009.92	8,884.7	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 11 : N0980_20 (1:2)

Number of peaks found: 9 Corr. Area 1: 984.7
 Noise: 0.1

Peak table for sample 11 : N0980_20 (1:2)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	14.74	163.3	
3	322	130.59	614.2	
4	744	8.96	18.2	
5	952	23.12	36.8	
6	1,064	15.97	22.7	
7	1,266	11.43	13.7	
8	1,428	14.68	15.6	
9	1,721	11.83	10.4	
10	3,300	8.85	4.1	
11	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : N0980_20 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
147	6,614	984.7	98	914	100.0	2,079.87	7,158.8	Blue

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Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

Created: 10/19/2023 4:33:32 PM
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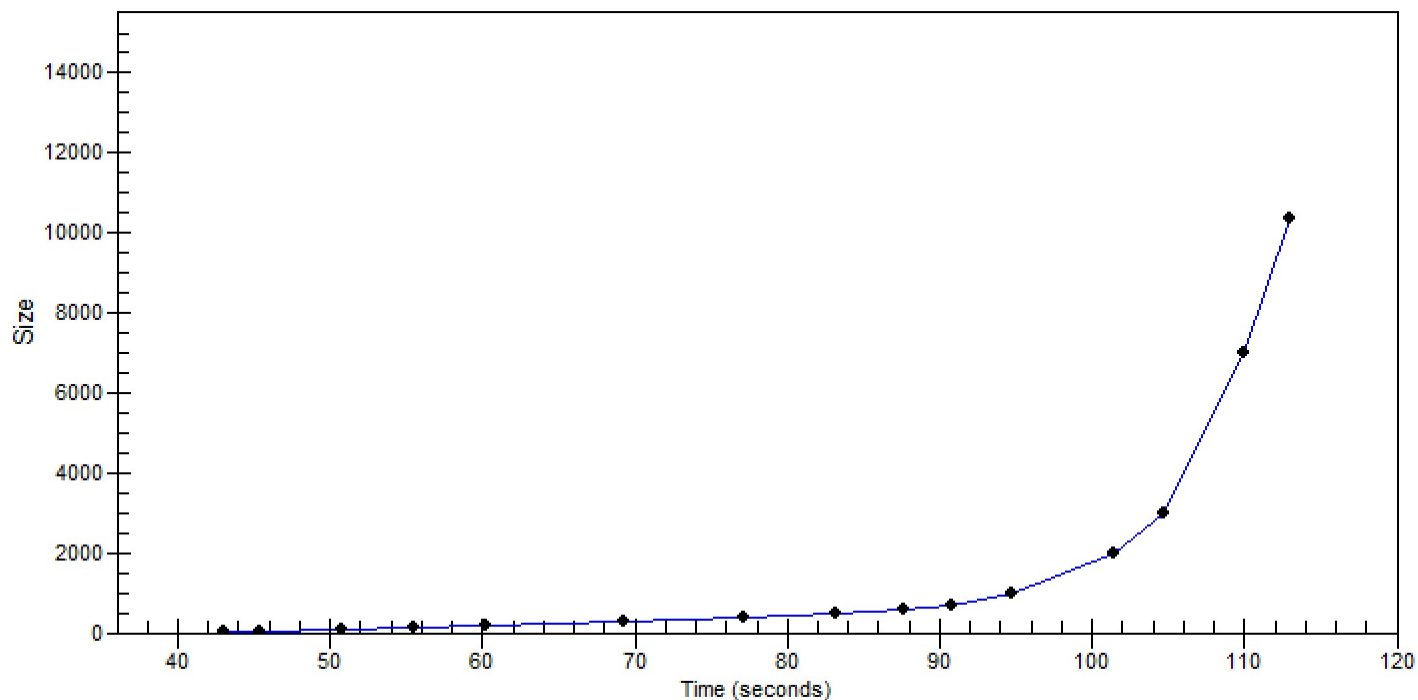
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...oanalyzer\2100 expert\data\2023-10-19\Nova0980_0.95X BC.xad

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Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 10/19/2023 4:33:32 PM
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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		10/19/2023 5:14:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-19\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-19_002.xad)		Instrument	Run		10/19/2023 4:33:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/19/2023 4:33:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/19/2023 4:33:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/19/2023 4:33:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/19/2023 4:33:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/19/2023 4:33:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/19/2023 4:33:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB