

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
Modified: 12/4/2023 1:21:09 PM

Electrophoresis File Run Summary

Instrument Information:

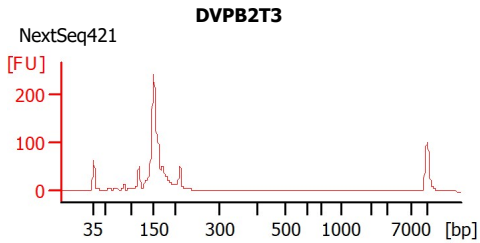
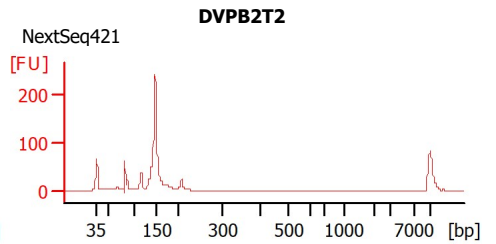
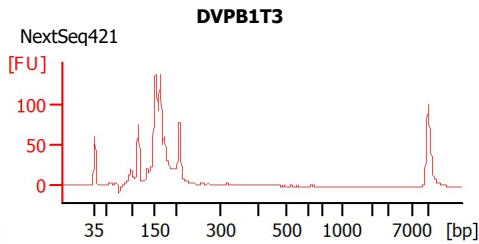
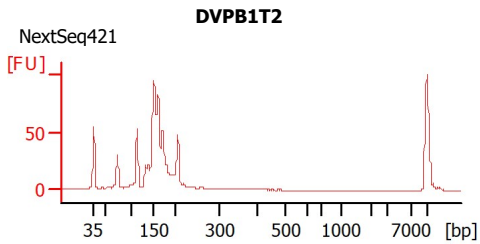
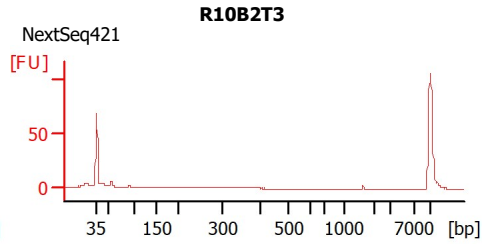
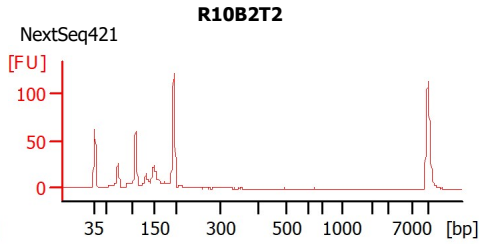
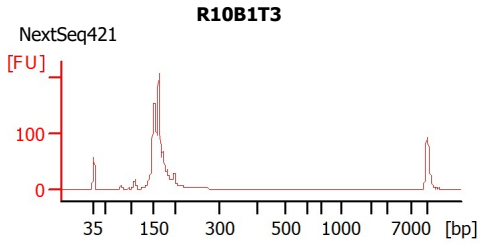
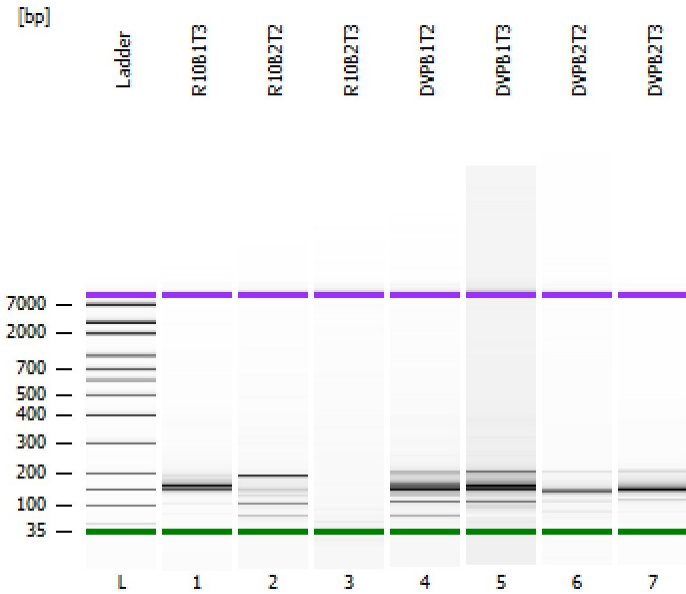
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
R10B1T3	NextSeq421	<input type="checkbox"/>	✓			
R10B2T2	NextSeq421	<input type="checkbox"/>	✓			
R10B2T3	NextSeq421	<input type="checkbox"/>	✓			
DVPB1T2	NextSeq421	<input type="checkbox"/>	✓			
DVPB1T3	NextSeq421	<input type="checkbox"/>	✓			
DVPB2T2	NextSeq421	<input type="checkbox"/>	✓			
DVPB2T3	NextSeq421	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
Modified: 12/4/2023 1:21:09 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/ 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

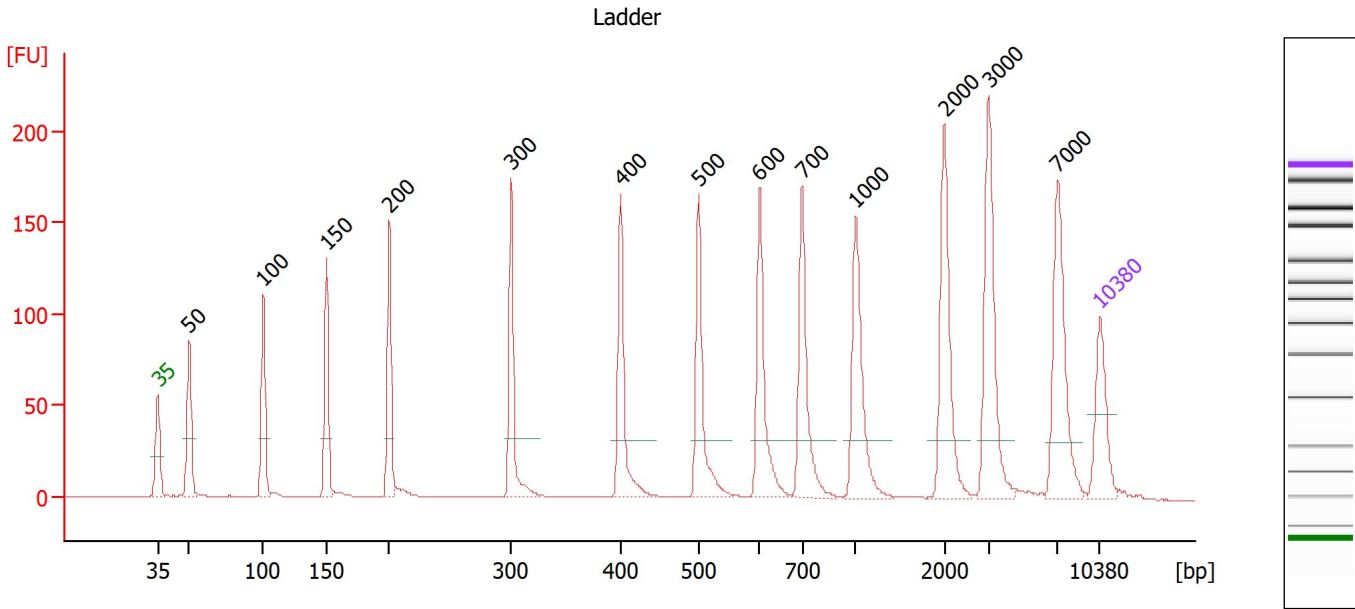
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

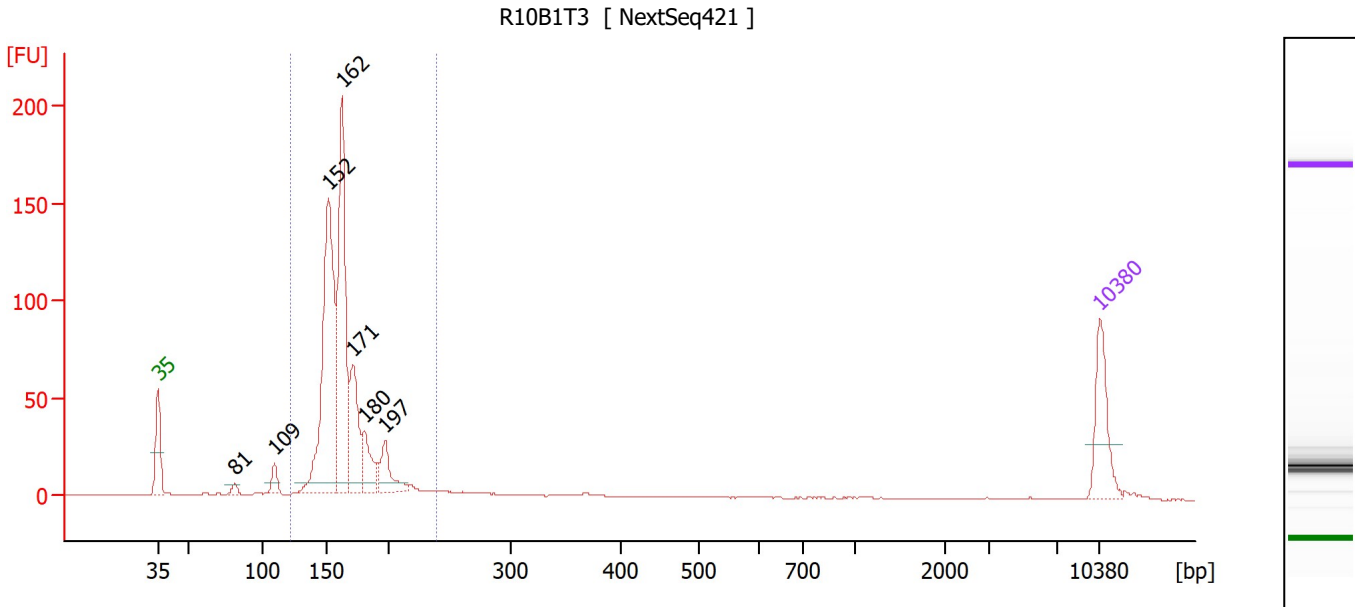
Peak table for Ladder

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:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : R10B1T3

Number of peaks found: 7 Corr. Area 1: 705.2
 Noise: 0.1

Peak table for sample 1 : R10B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	9.81	184.4	
3	109	26.22	364.7	
4	152	477.63	4,767.7	
5	162	382.36	3,574.6	
6	171	144.50	1,282.4	
7	180	68.46	574.7	
8	197	67.17	517.4	
9	10,380	75.00	10.9	Upper Marker

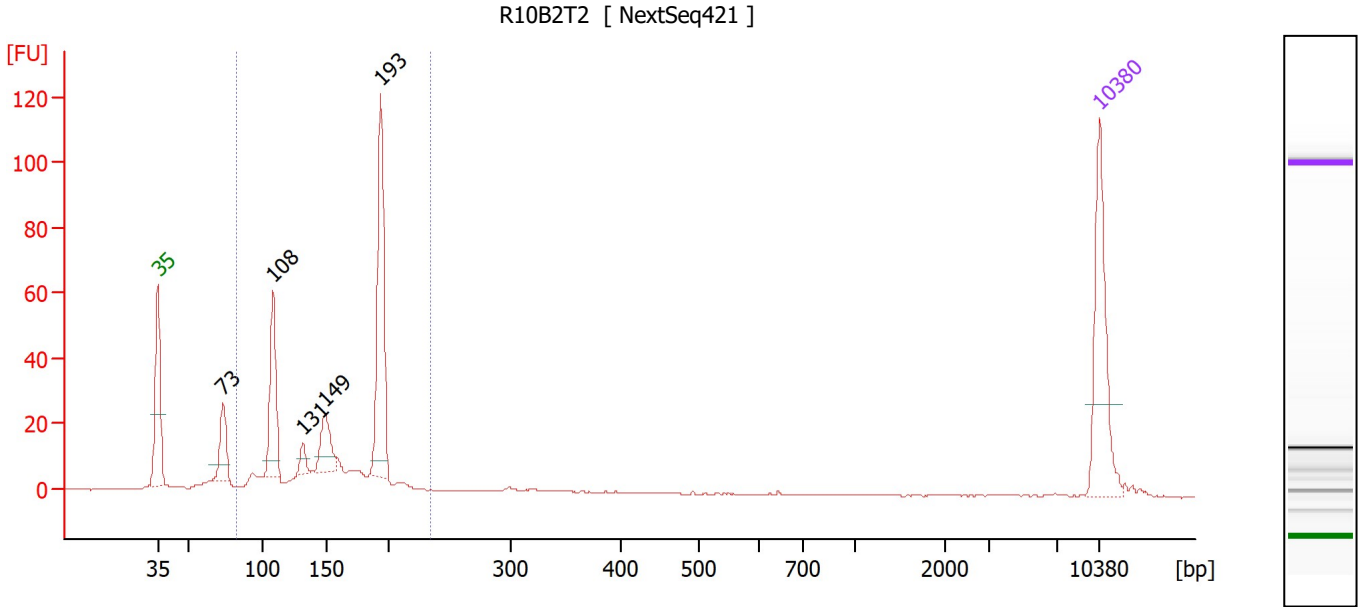
Region table for sample 1 : R10B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
121	238	705.2	89	164	10.6	1,215.43	11,306.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : R10B2T2

Number of peaks found: 5 Corr. Area 1: 297.4
 Noise: 0.2

Peak table for sample 2 : R10B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	73	41.30	854.2	
3	108	88.94	1,246.7	
4	131	13.72	158.6	
5	149	42.17	428.6	
6	193	148.63	1,165.3	
7	10,380	75.00	10.9	Upper Marker

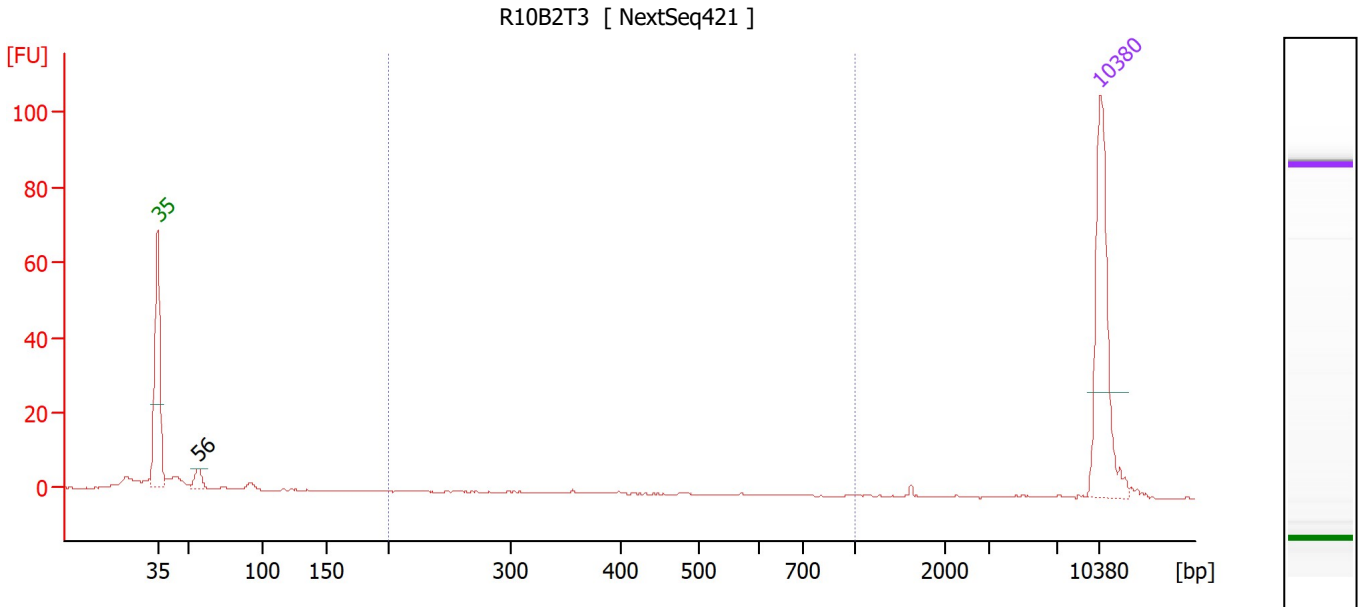
Region table for sample 2 : R10B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
82	233	297.4	84	159	23.1	450.12	4,635.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R10B2T3

Number of peaks found: 1 Corr. Area 1: 1.9
 Noise: 0.2

Peak table for sample 3 : R10B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	11.36	306.2	
3	10,380	75.00	10.9	Upper Marker

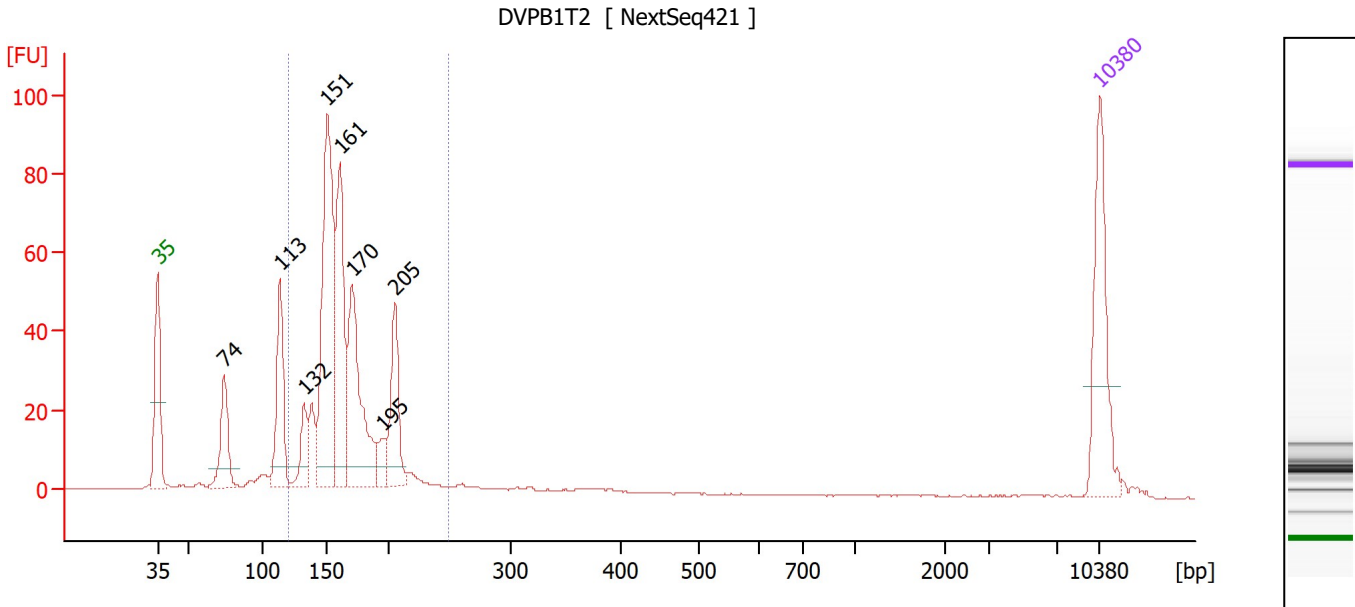
Region table for sample 3 : R10B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1.9	4	329	25.3	2.30	11.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DVPB1T2

Number of peaks found: 8 Corr. Area 1: 482.1
 Noise: 0.2

Peak table for sample 4 : DVPB1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	74	64.34	1,317.0	
3	113	94.41	1,263.1	
4	132	37.55	430.4	
5	151	249.25	2,508.2	
6	161	149.08	1,402.9	
7	170	148.71	1,323.2	
8	195	19.80	154.1	
9	205	74.55	552.0	
10	10,380	75.00	10.9	Upper Marker

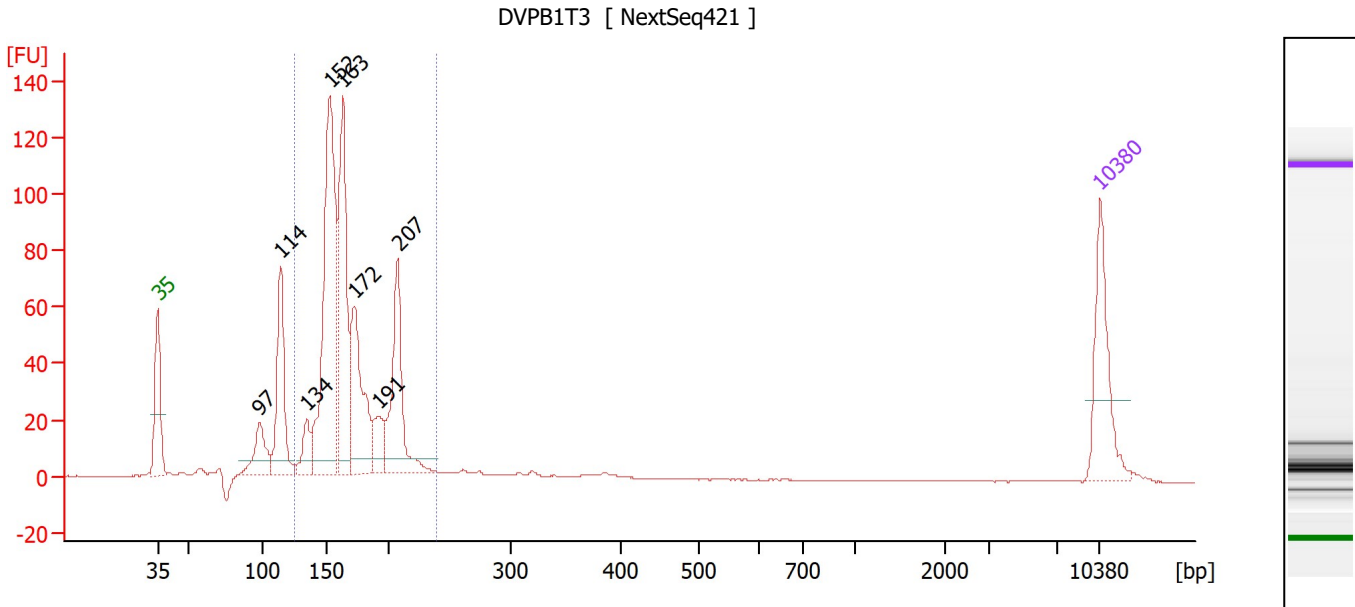
Region table for sample 4 : DVPB1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
120	248	482.1	78	166	13.5	752.69	6,989.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : DVPB1T3

Number of peaks found: 8 Corr. Area 1: 681.0
 Noise: 0.1

Peak table for sample 5 : DVPB1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	97	57.83	899.3	
3	114	136.30	1,810.0	
4	134	36.53	412.6	
5	152	357.60	3,554.6	
6	163	229.16	2,128.2	
7	172	150.98	1,329.3	
8	191	40.06	317.5	
9	207	144.97	1,062.1	
10	10,380	75.00	10.9	Upper Marker

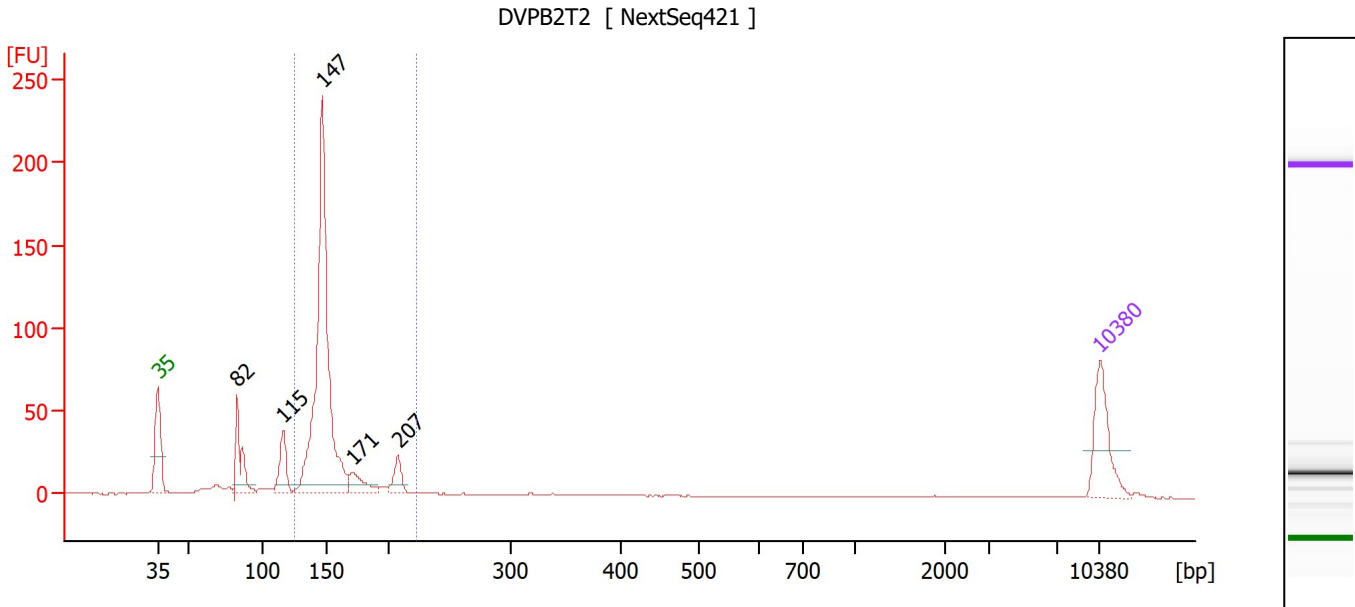
Region table for sample 5 : DVPB1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	239	681.0	79	169	13.1	1,009.13	9,186.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : DVPB2T2

Number of peaks found: 5 Corr. Area 1: 455.4
 Noise: 0.1

Peak table for sample 6 : DVPB2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	93.77	1,728.7	
3	115	67.89	890.7	
4	147	641.06	6,608.9	
5	171	43.11	382.4	
6	207	34.60	253.2	
7	10,380	75.00	10.9	Upper Marker

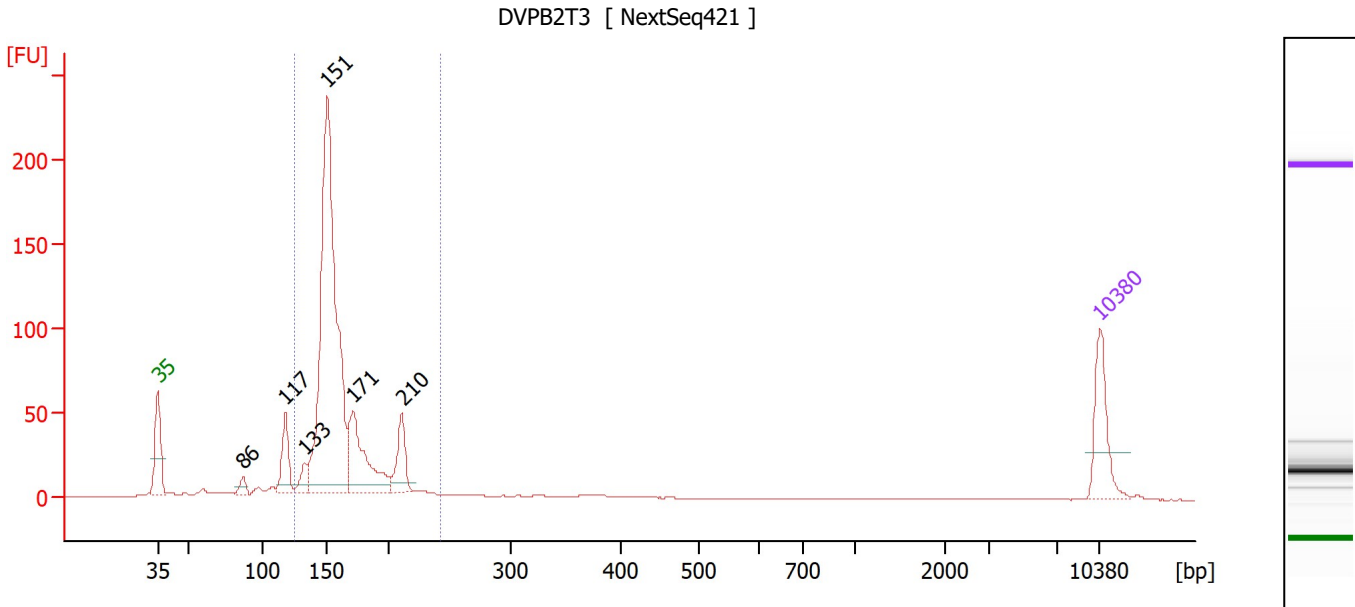
Region table for sample 6 : DVPB2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
124	222	455.4	75	153	11.8	749.90	7,504.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DVPB2T3

Number of peaks found: 6 Corr. Area 1: 754.7
 Noise: 0.2

Peak table for sample 7 : DVPB2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	86	17.02	298.6	
3	117	83.11	1,072.8	
4	133	32.76	373.7	
5	151	839.23	8,437.9	
6	171	178.89	1,582.6	
7	210	72.28	521.0	
8	10,380	75.00	10.9	Upper Marker

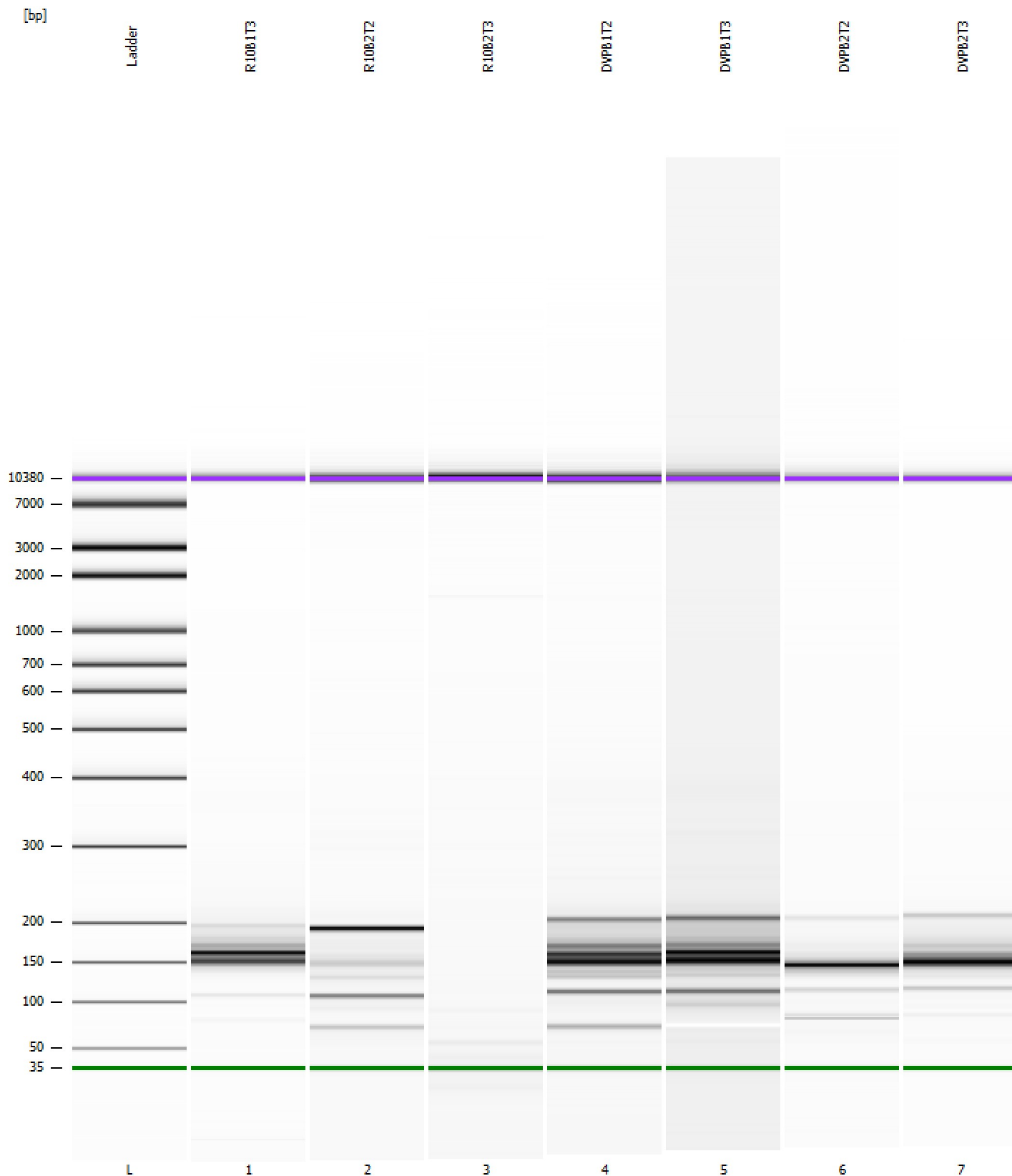
Region table for sample 7 : DVPB2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	242	754.7	85	162	13.0	1,189.35	11,305.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
Modified: 12/4/2023 1:21:09 PM

Gel Image

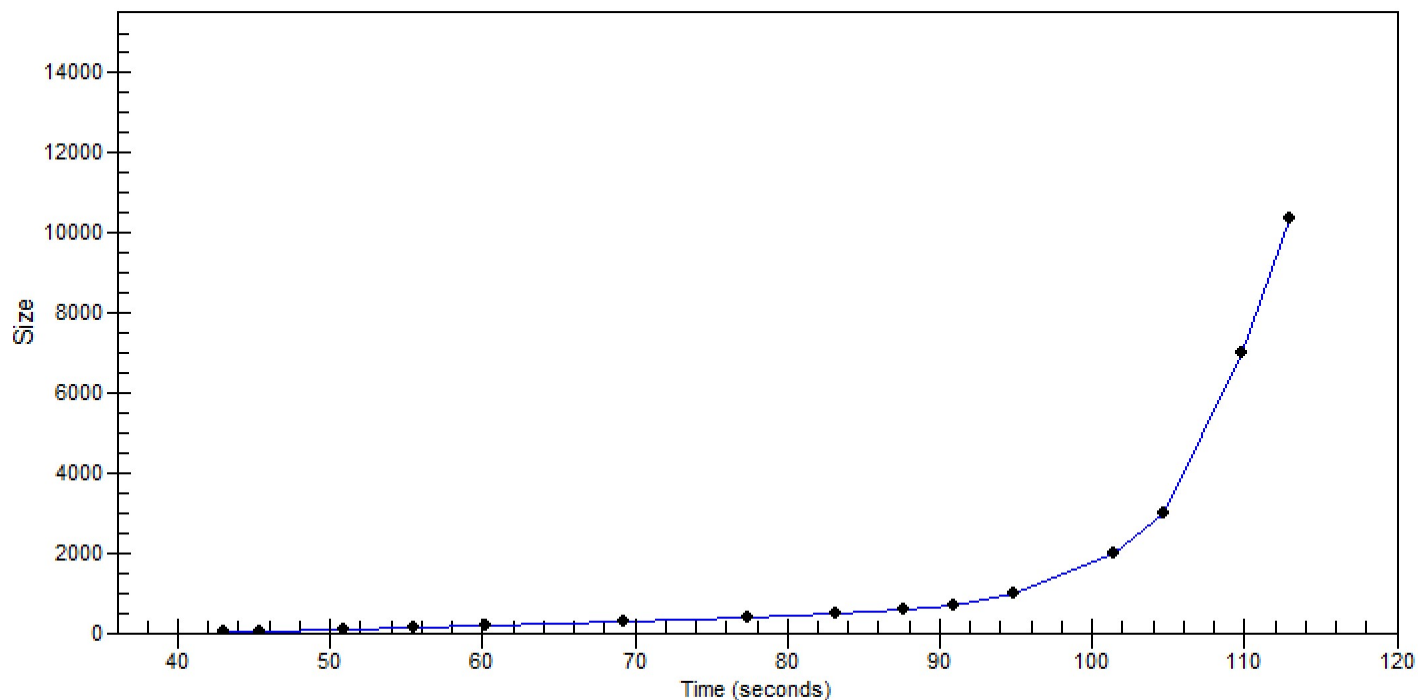


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
Modified: 12/4/2023 1:21:09 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-12-04\NextSeq421_34-40.xad

Created: 12/4/2023 12:31:02 PM
 Modified: 12/4/2023 1:21:09 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		12/4/2023 1:11:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-12-04\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-12-04_003.xad)		Instrument	Run		12/4/2023 12:31:08 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/4/2023 12:31:08 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/4/2023 12:31:08 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/4/2023 12:31:08 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/4/2023 12:31:08 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/4/2023 12:31:08 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/4/2023 12:31:08 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB