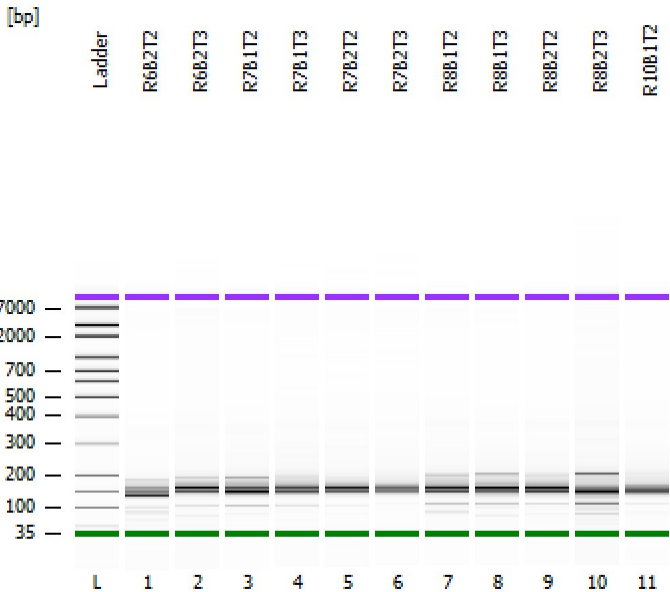


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
Modified: 12/4/2023 12:12:08 PM

Electrophoresis File Run Summary



Instrument Information:

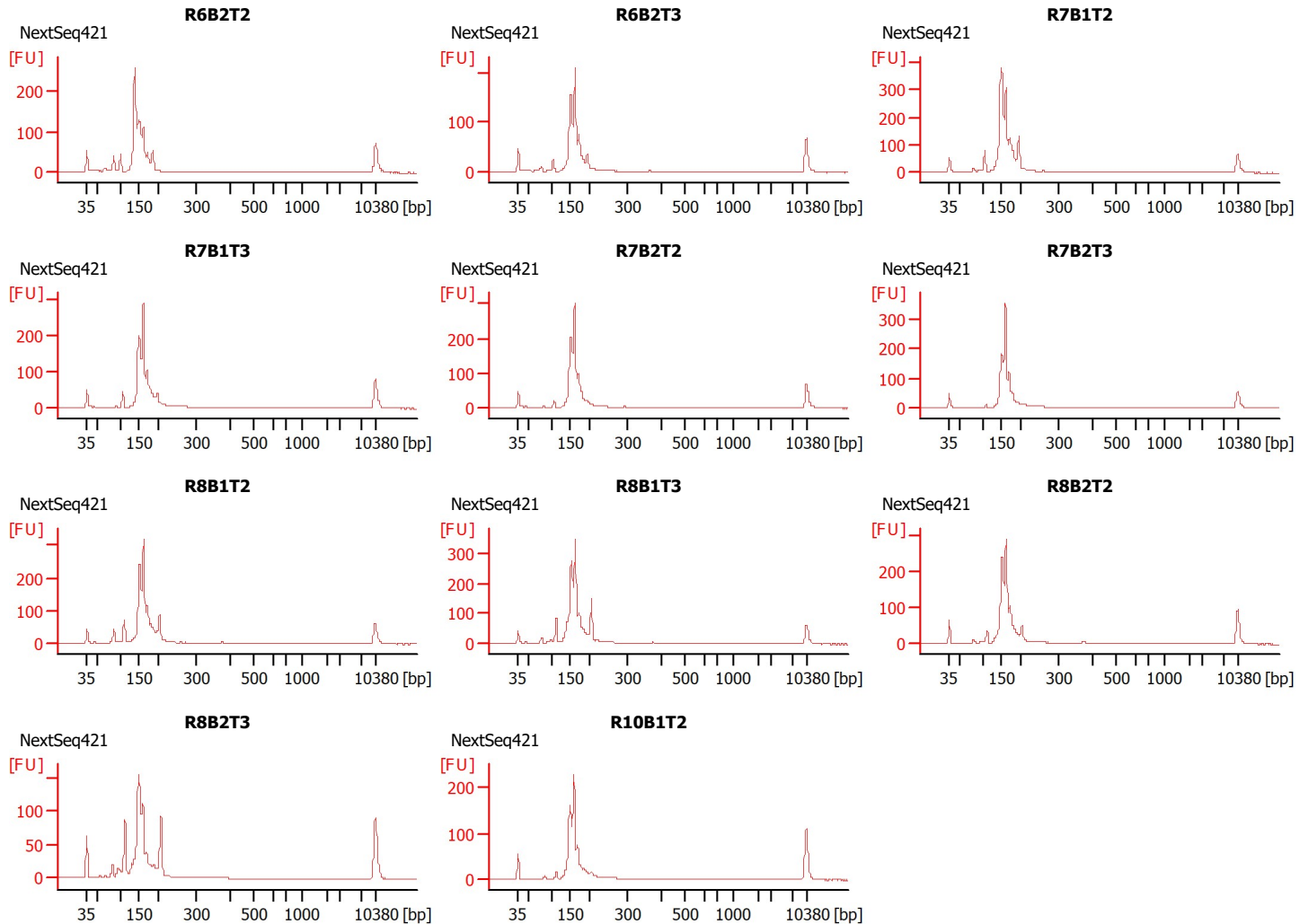
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
R6B2T2	NextSeq421	<input type="checkbox"/>		✓		
R6B2T3	NextSeq421	<input type="checkbox"/>		✓		
R7B1T2	NextSeq421	<input type="checkbox"/>		✓		
R7B1T3	NextSeq421	<input type="checkbox"/>		✓		
R7B2T2	NextSeq421	<input type="checkbox"/>		✓		
R7B2T3	NextSeq421	<input type="checkbox"/>		✓		
R8B1T2	NextSeq421	<input type="checkbox"/>		✓		
R8B1T3	NextSeq421	<input type="checkbox"/>		✓		
R8B2T2	NextSeq421	<input type="checkbox"/>		✓		
R8B2T3	NextSeq421	<input type="checkbox"/>		✓		
R10B1T2	NextSeq421	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 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

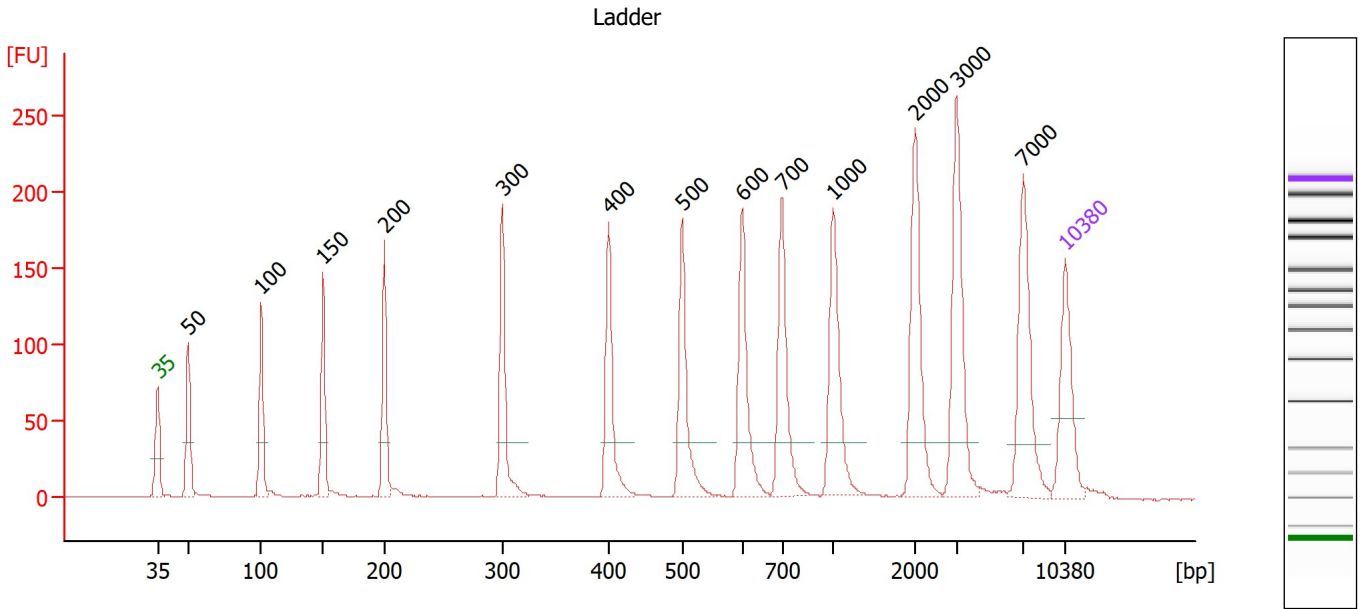
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

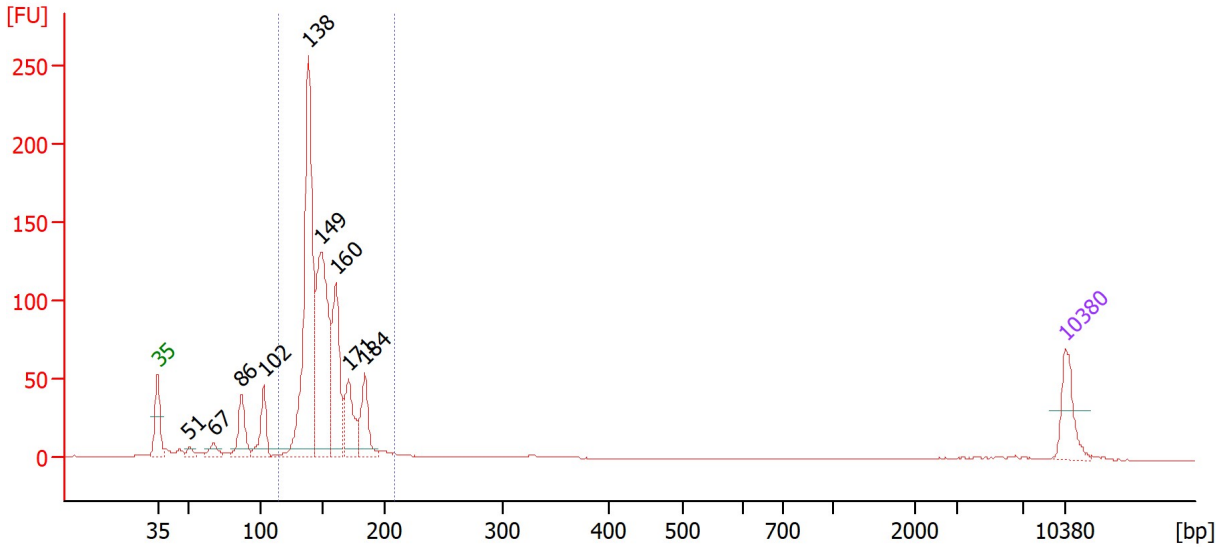
Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	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:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...

R6B2T2 [NextSeq421]



Overall Results for sample 1 : R6B2T2

Number of peaks found: 9 Corr. Area 1: 889.0
 Noise: 0.2

Peak table for sample 1 : R6B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	51	16.44	488.4	
3	67	30.86	694.2	
4	86	112.16	1,967.1	
5	102	114.09	1,690.8	
6	138	782.63	8,579.0	
7	149	527.11	5,367.2	
8	160	280.13	2,645.4	
9	171	133.51	1,182.8	
10	184	129.42	1,064.2	
11	10,380	75.00	10.9	Upper Marker

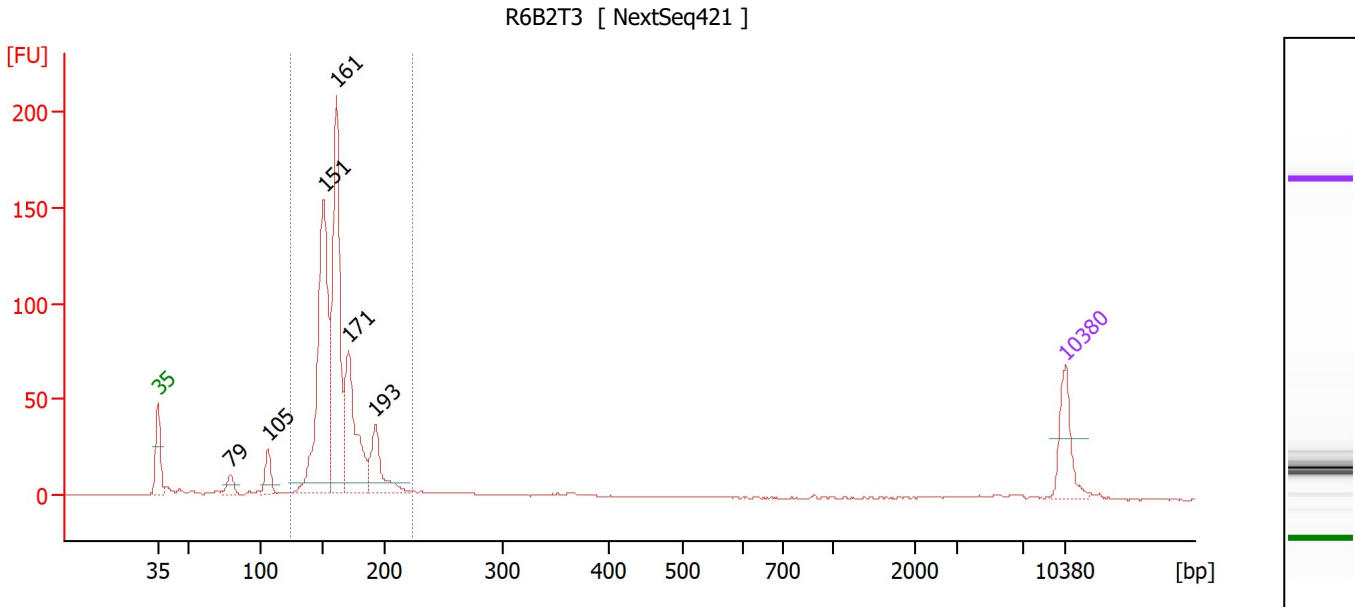
Region table for sample 1 : R6B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
114	209	889.0	83	152	10.4	1,887.11	19,063.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : R6B2T3

Number of peaks found: 6 Corr. Area 1: 718.3
 Noise: 0.1

Peak table for sample 2 : R6B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	79	30.76	591.2	
3	105	57.10	821.0	
4	151	647.63	6,515.8	
5	161	530.97	4,985.6	
6	171	290.67	2,574.6	
7	193	121.85	958.6	
8	10,380	75.00	10.9	Upper Marker

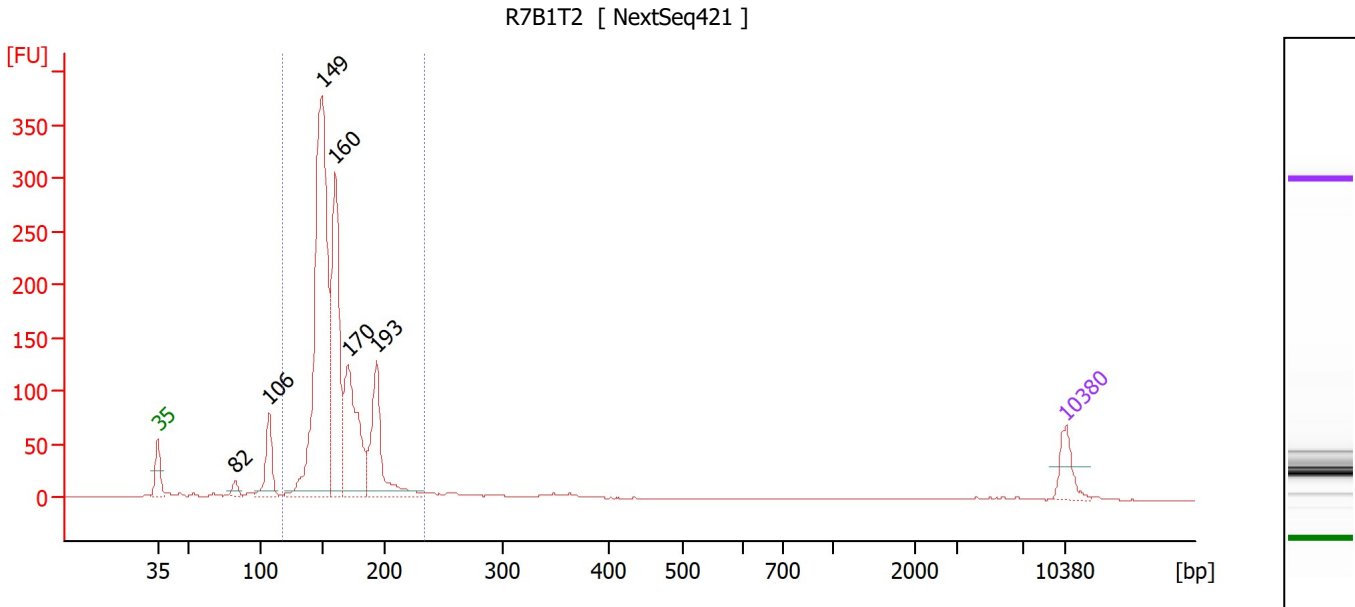
Region table for sample 2 : R6B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
123	224	718.3	87	163	9.6	1,643.19	15,422.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R7B1T2

Number of peaks found: 6 Corr. Area 1: 1,618.3
 Noise: 0.2

Peak table for sample 3 : R7B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	34.43	636.0	
3	106	192.98	2,754.9	
4	149	1,701.94	17,276.2	
5	160	728.35	6,883.4	
6	170	549.39	4,888.7	
7	193	388.48	3,042.0	
8	10,380	75.00	10.9	Upper Marker

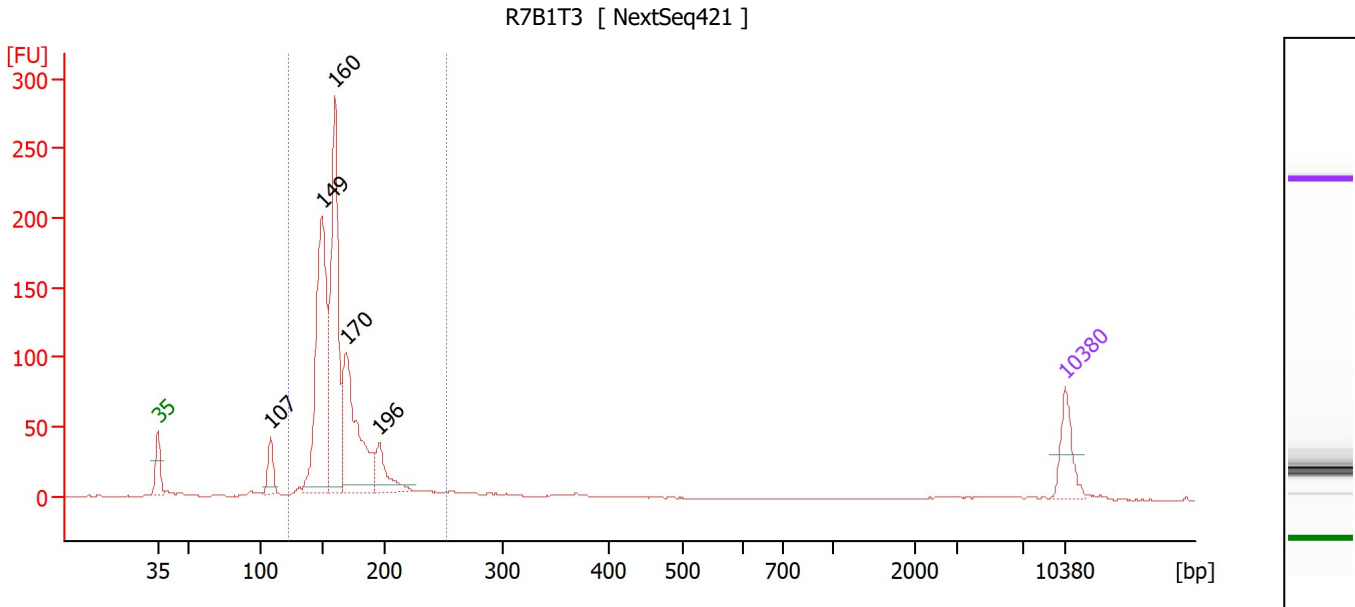
Region table for sample 3 : R7B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
118	234	1,618.3	87	162	11.3	3,415.69	32,373.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : R7B1T3

Number of peaks found: 5 Corr. Area 1: 1,035.4
 Noise: 0.2

Peak table for sample 4 : R7B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	107	82.74	1,166.8	
3	149	716.08	7,271.8	
4	160	642.61	6,088.3	
5	170	453.81	4,056.2	
6	196	114.70	886.5	
7	10,380	75.00	10.9	Upper Marker

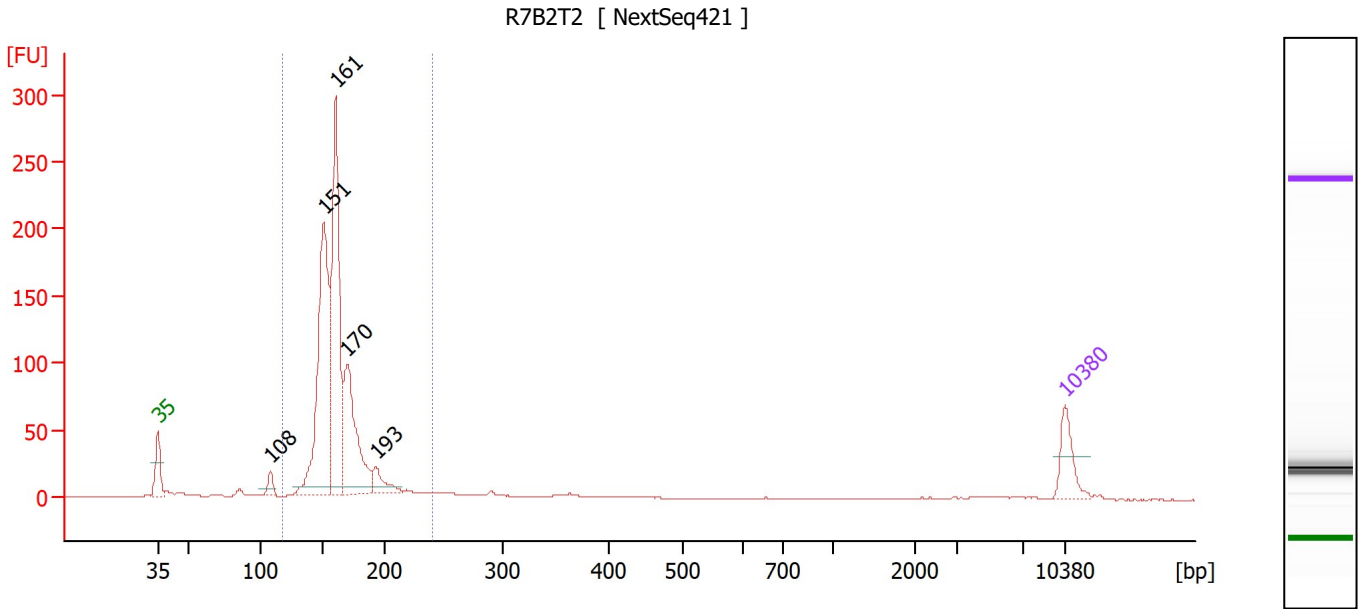
Region table for sample 4 : R7B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
121	254	1,035.4	88	164	12.0	2,062.02	19,252.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : R7B2T2

Number of peaks found: 5 Corr. Area 1: 966.8
 Noise: 0.2

Peak table for sample 5 : R7B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	108	37.84	533.3	
3	151	810.62	8,138.0	
4	161	717.62	6,763.3	
5	170	404.99	3,609.0	
6	193	72.87	571.6	
7	10,380	75.00	10.9	Upper Marker

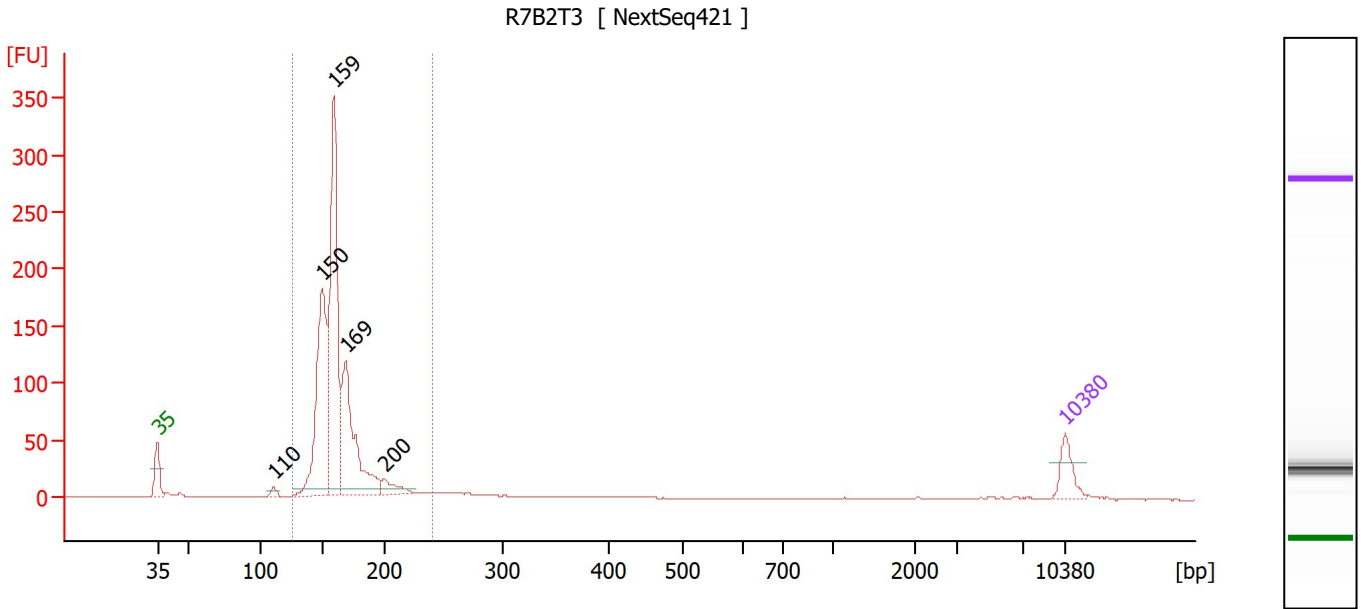
Region table for sample 5 : R7B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
118	242	966.8	88	162	10.2	2,123.94	19,995.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R7B2T3

Number of peaks found: 5 Corr. Area 1: 987.5
 Noise: 0.2

Peak table for sample 6 : R7B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	110	22.48	309.2	
3	150	783.15	7,920.1	
4	159	1,029.95	9,796.8	
5	169	593.50	5,328.5	
6	200	66.28	501.8	
7	10,380	75.00	10.9	Upper Marker

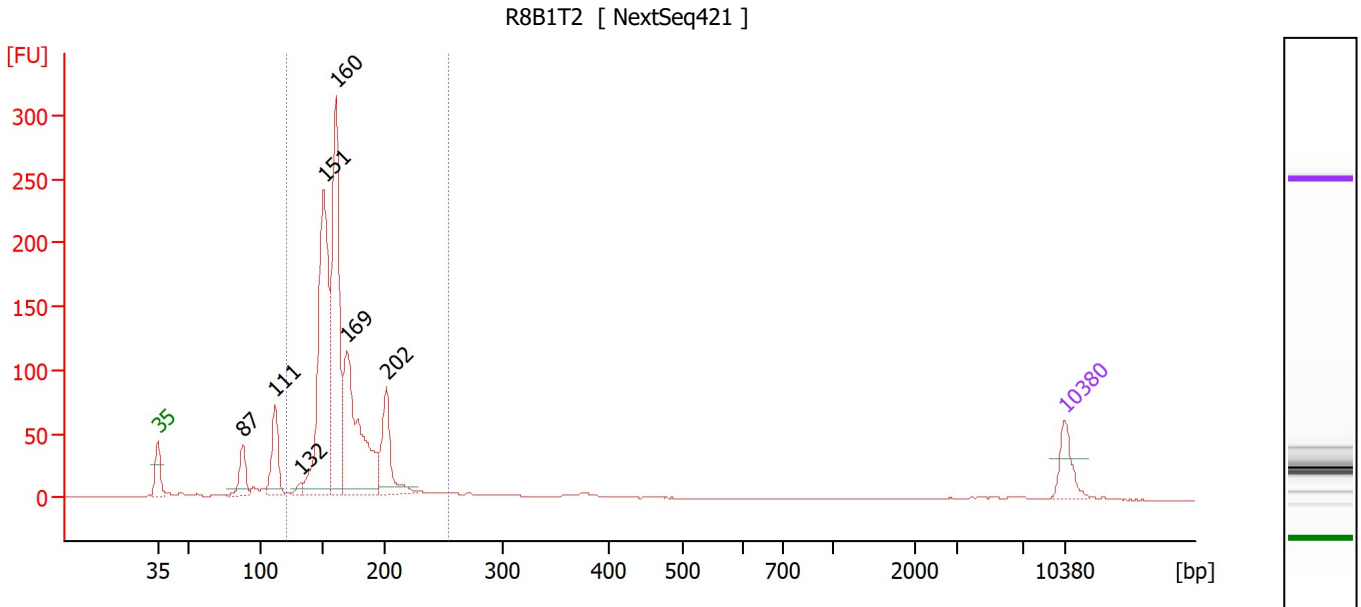
Region table for sample 6 : R7B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	241	987.5	90	163	10.5	2,594.57	24,386.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : R8B1T2

Number of peaks found: 7 Corr. Area 1: 1,179.3
 Noise: 0.2

Peak table for sample 7 : R8B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	87	119.62	2,073.2	
3	111	197.95	2,694.4	
4	132	26.93	308.5	
5	151	959.21	9,634.0	
6	160	833.33	7,869.8	
7	169	650.23	5,814.9	
8	202	248.68	1,866.6	
9	10,380	75.00	10.9	Upper Marker

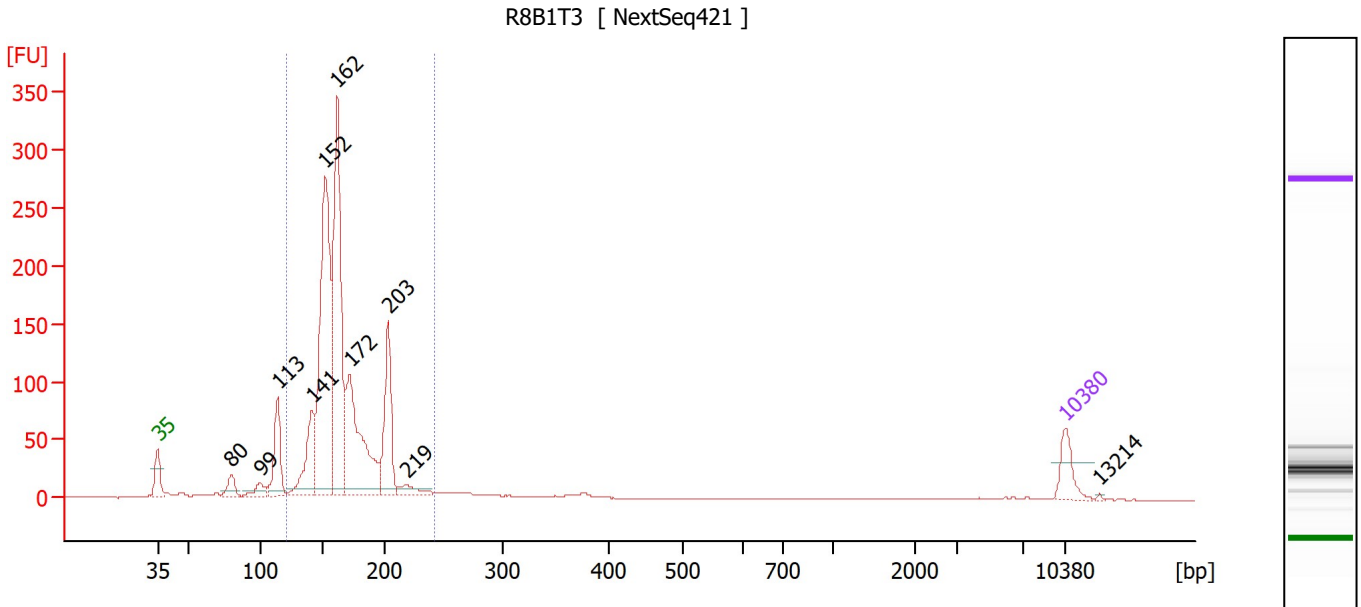
Region table for sample 7 : R8B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
121	254	1,179.3	82	167	12.3	2,849.44	26,231.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : R8B1T3

Number of peaks found: 10 Corr. Area 1: 1,370.1
 Noise: 0.2

Peak table for sample 8 : R8B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	80	67.13	1,278.5	
3	99	51.68	792.2	
4	113	228.56	3,059.7	
5	141	266.37	2,860.3	
6	152	1,087.71	10,840.4	
7	162	957.07	8,965.7	
8	172	585.49	5,155.9	
9	203	324.57	2,420.8	
10	219	47.42	328.1	
11	10,380	75.00	10.9	Upper Marker
12	13,214	0.00	0.0	

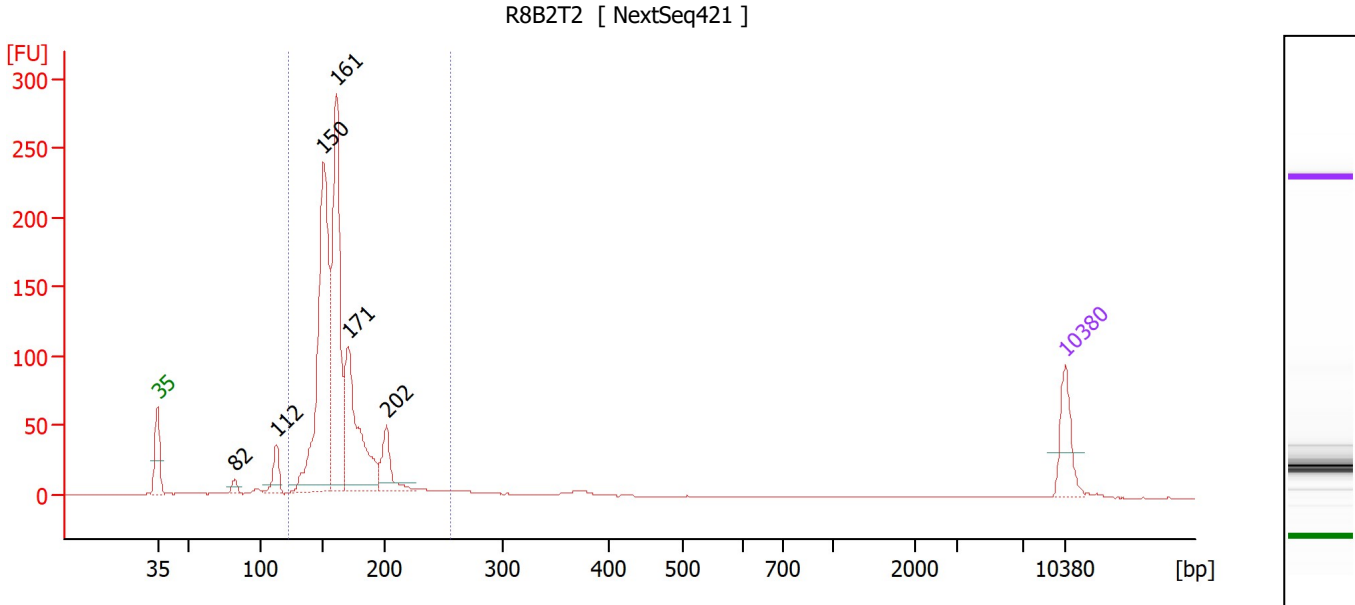
Region table for sample 8 : R8B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
121	242	1,370.1	84	167	12.6	3,390.17	31,340.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : R8B2T2

Number of peaks found: 6 Corr. Area 1: 1,079.8
 Noise: 0.1

Peak table for sample 9 : R8B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	18.90	349.5	
3	112	65.01	879.5	
4	150	754.65	7,598.0	
5	161	571.44	5,381.9	
6	171	386.76	3,433.9	
7	202	98.25	737.4	
8	10,380	75.00	10.9	Upper Marker

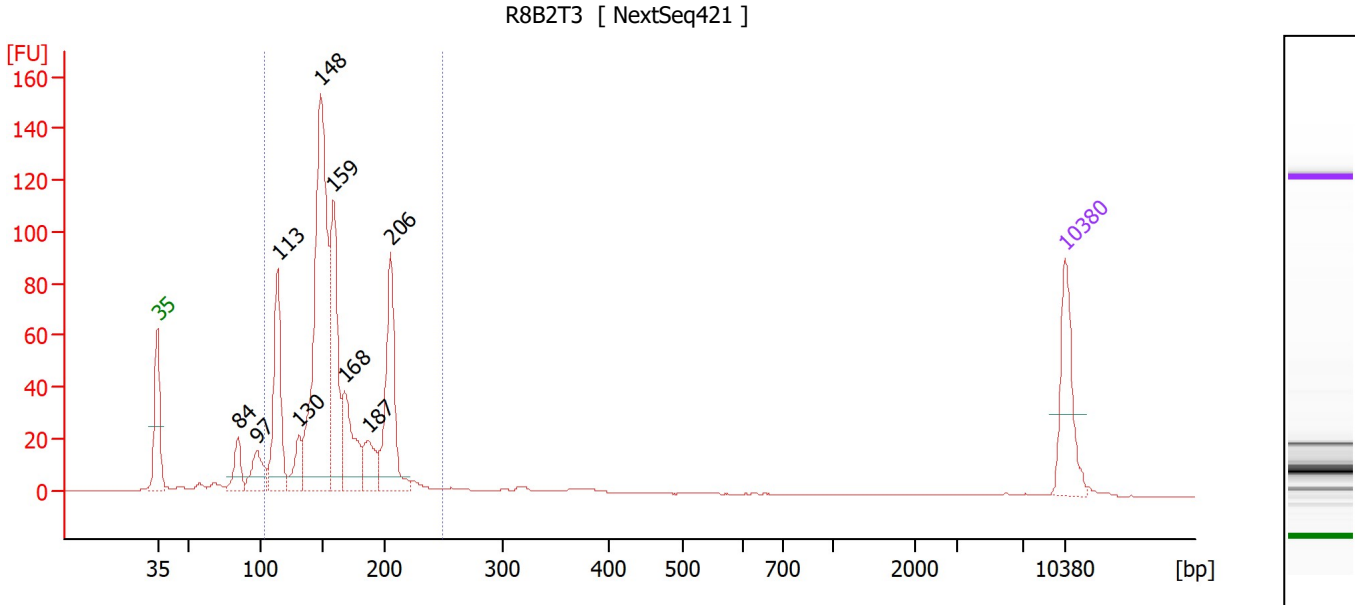
Region table for sample 9 : R8B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
122	256	1,079.8	90	164	12.0	1,916.10	17,875.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : R8B2T3

Number of peaks found: 9 Corr. Area 1: 793.1
 Noise: 0.1

Peak table for sample 10 : R8B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	84	46.18	830.1	
3	97	56.81	890.8	
4	113	183.87	2,461.6	
5	130	47.68	554.1	
6	148	531.09	5,429.7	
7	159	217.47	2,076.9	
8	168	115.12	1,039.1	
9	187	55.68	451.4	
10	206	182.03	1,341.5	
11	10,380	75.00	10.9	Upper Marker

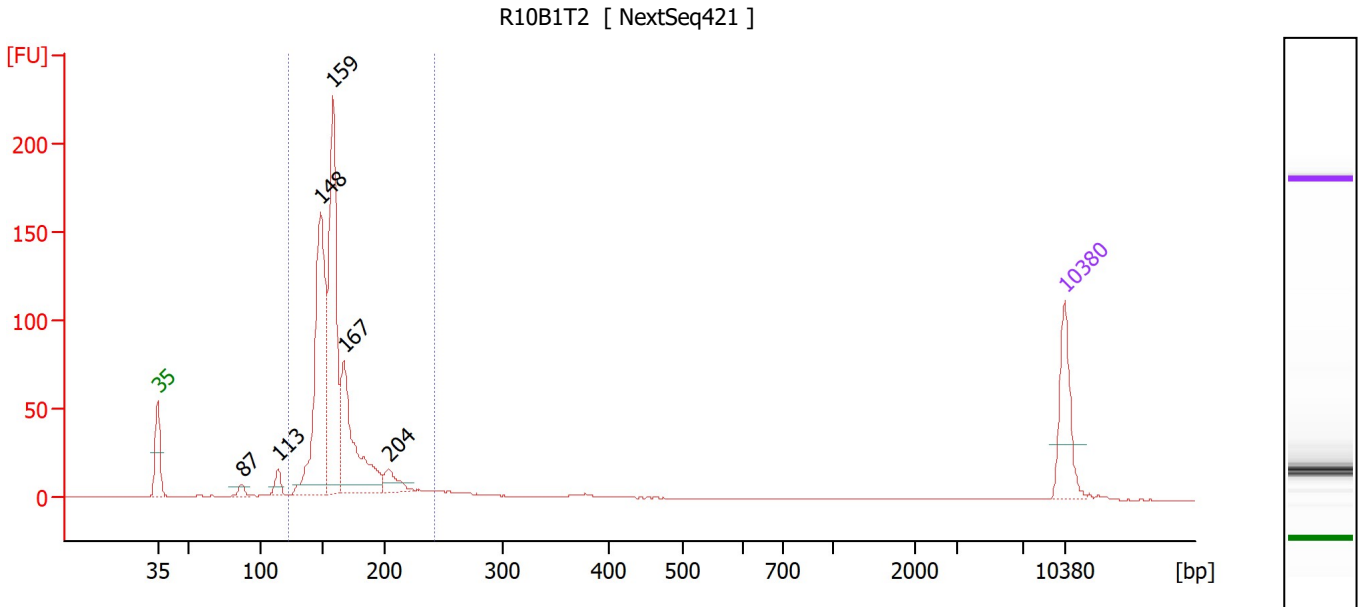
Region table for sample 10 : R8B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
102	250	793.1	89	159	18.3	1,382.53	13,673.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : R10B1T2

Number of peaks found: 6 Corr. Area 1: 738.4
 Noise: 0.1

Peak table for sample 11 : R10B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	87	12.76	223.3	
3	113	22.38	298.7	
4	148	420.14	4,300.3	
5	159	378.53	3,618.3	
6	167	240.28	2,178.1	
7	204	35.40	263.3	
8	10,380	75.00	10.9	Upper Marker

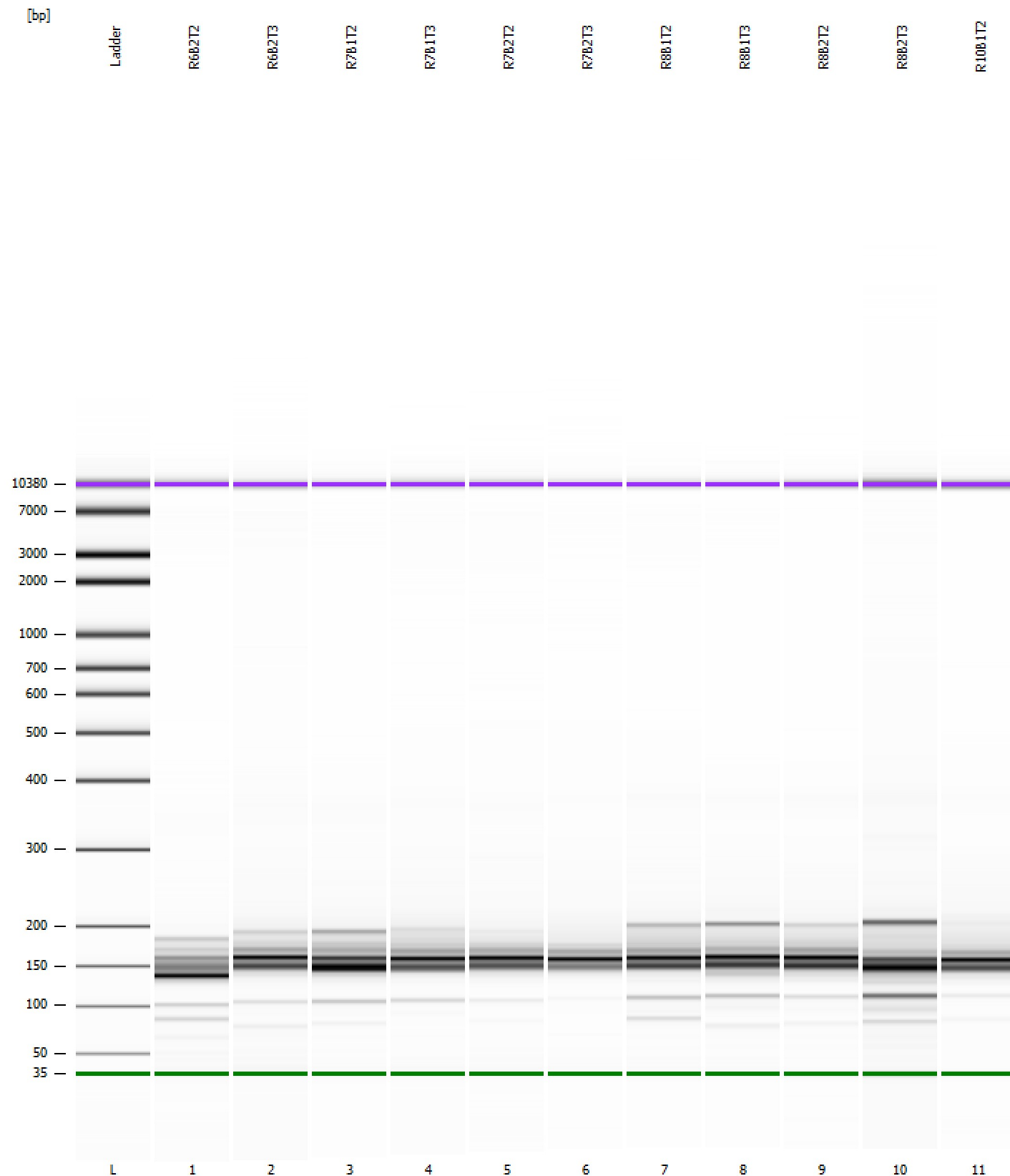
Region table for sample 11 : R10B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
122	243	738.4	91	162	11.9	1,140.00	10,805.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
Modified: 12/4/2023 12:12:08 PM

Gel Image

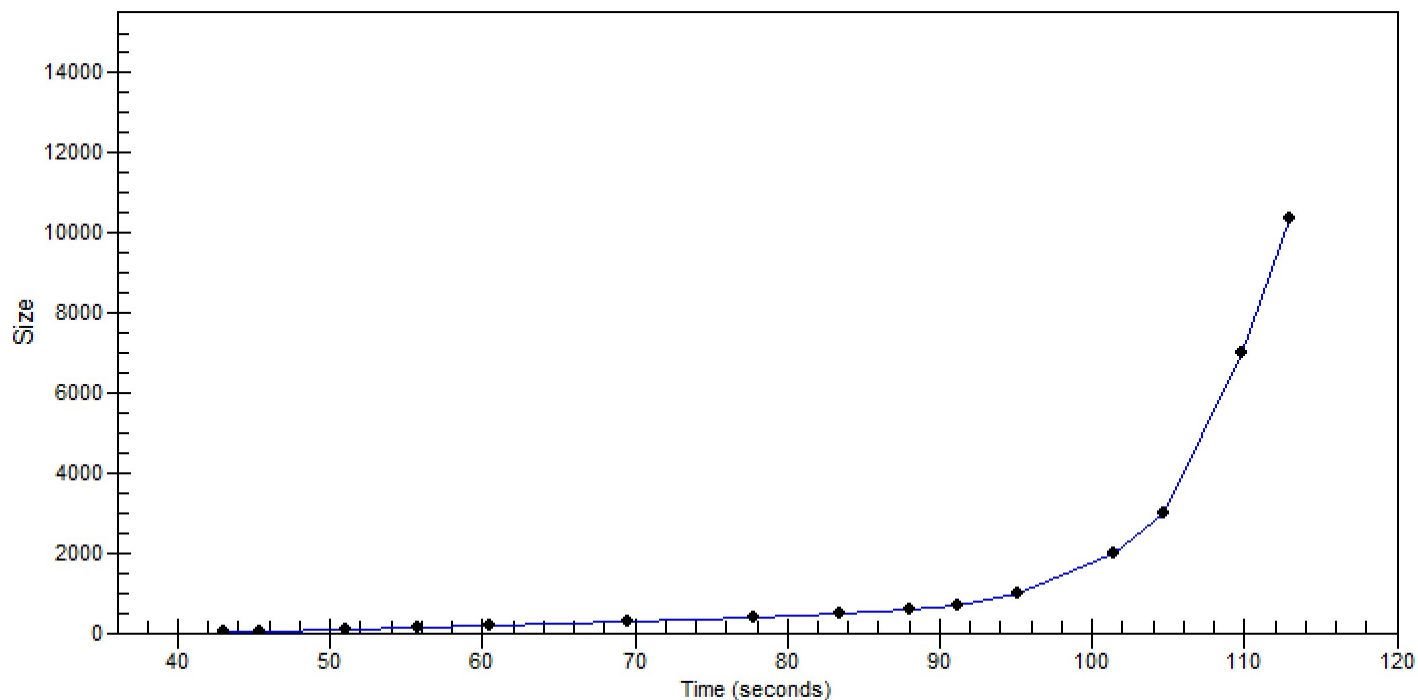


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
Modified: 12/4/2023 12:12:08 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-04_002.xad

Created: 12/4/2023 11:22:11 AM
 Modified: 12/4/2023 12:12:08 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 12:03:30 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_002.xad)		Instrument	Run		12/4/2023 11:22:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/4/2023 11:22:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/4/2023 11:22:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/4/2023 11:22:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/4/2023 11:22:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/4/2023 11:22:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/4/2023 11:22:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB