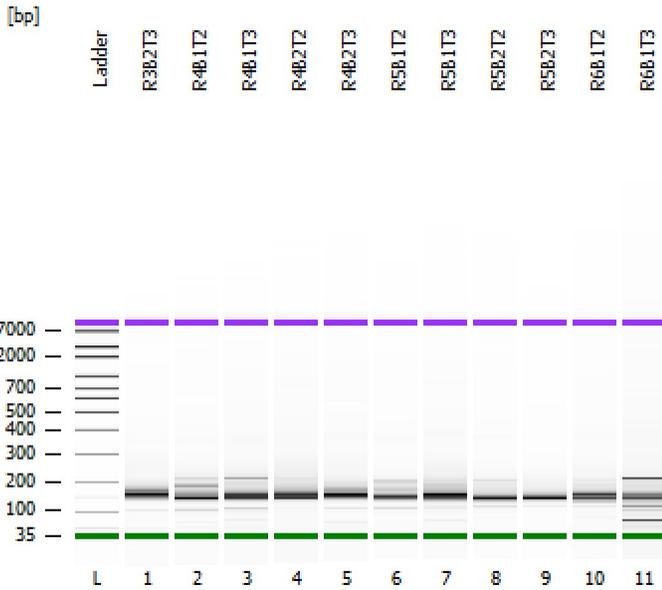


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
Modified: 12/1/2023 4:34:21 PM

Electrophoresis File Run Summary



Instrument Information:

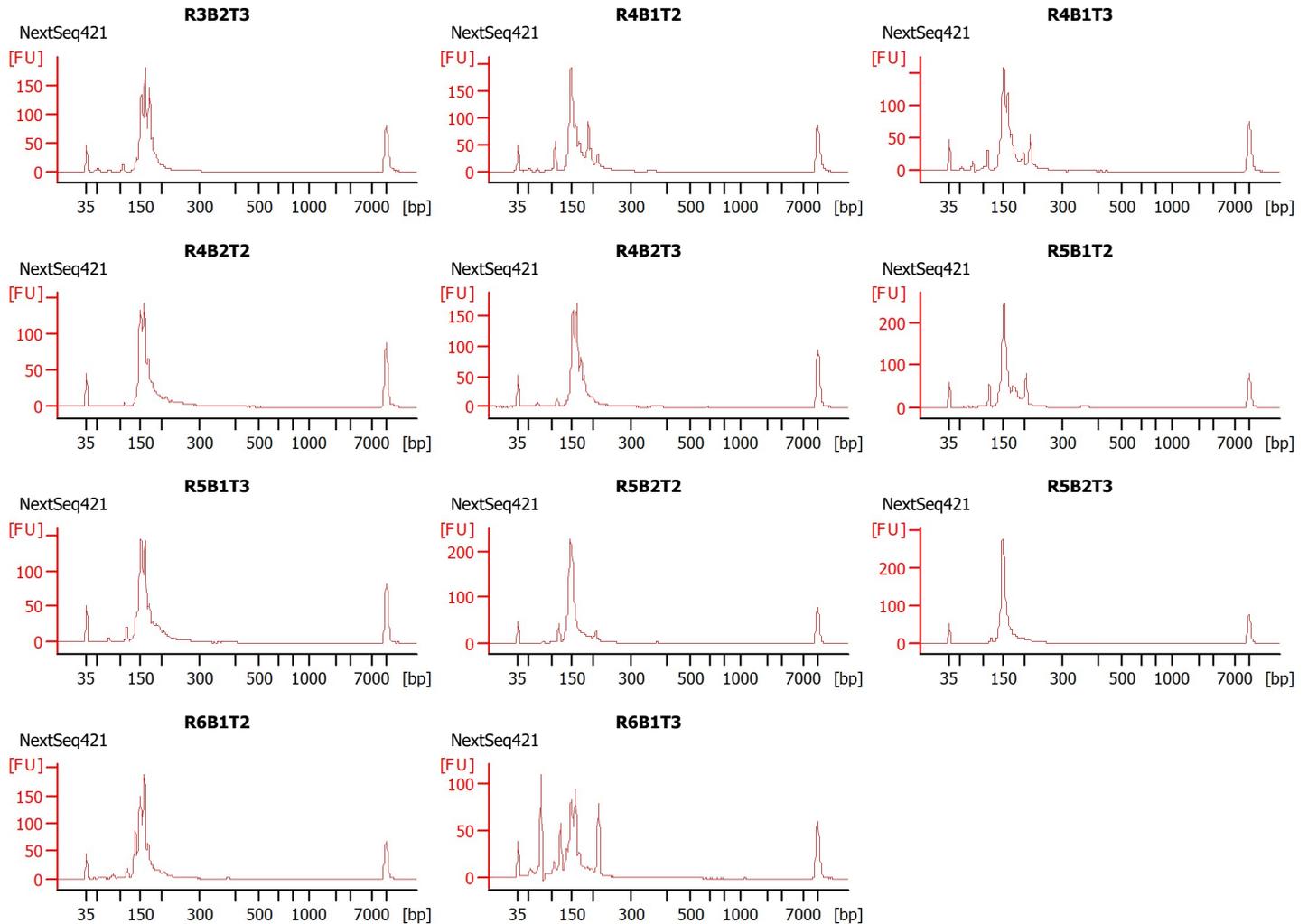
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
R3B2T3	NextSeq421	<input type="checkbox"/>	✓			
R4B1T2	NextSeq421	<input type="checkbox"/>	✓			
R4B1T3	NextSeq421	<input type="checkbox"/>	✓			
R4B2T2	NextSeq421	<input type="checkbox"/>	✓			
R4B2T3	NextSeq421	<input type="checkbox"/>	✓			
R5B1T2	NextSeq421	<input type="checkbox"/>	✓			
R5B1T3	NextSeq421	<input type="checkbox"/>	✓			
R5B2T2	NextSeq421	<input type="checkbox"/>	✓			
R5B2T3	NextSeq421	<input type="checkbox"/>	✓			
R6B1T2	NextSeq421	<input type="checkbox"/>	✓			
R6B1T3	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_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 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

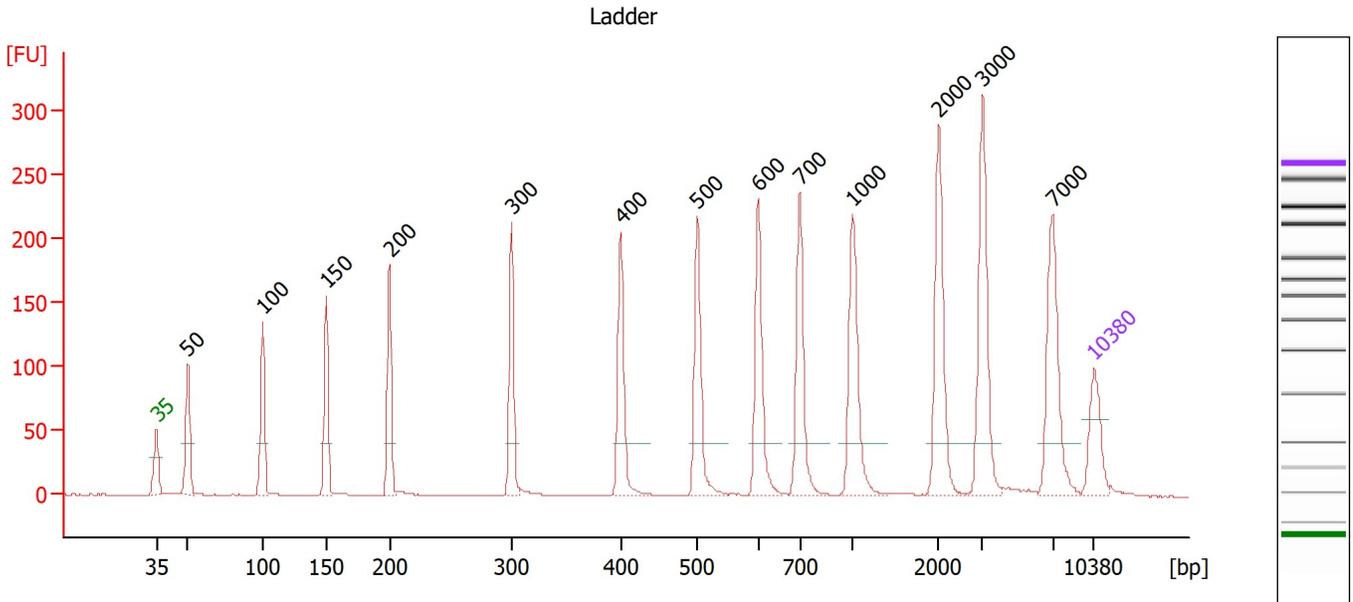
Ladder

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_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

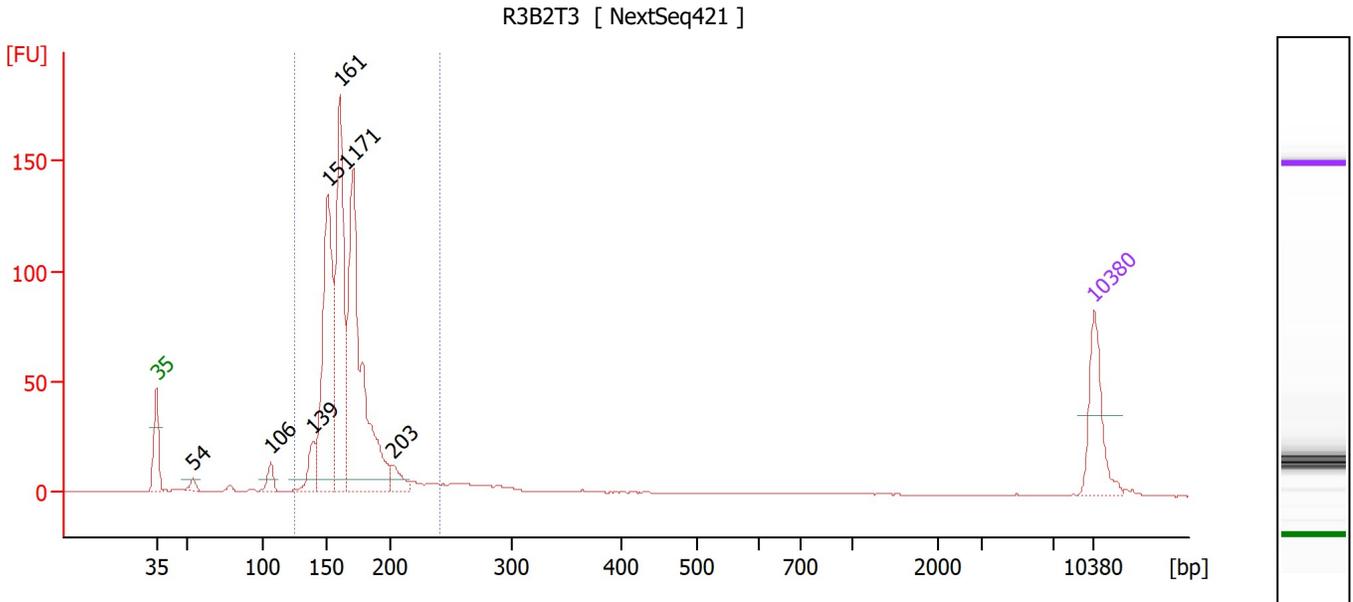
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : R3B2T3

Number of peaks found: 7 Corr. Area 1: 765.2
 Noise: 0.2

Peak table for sample 1 : R3B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	11.83	333.5	
3	106	23.95	341.7	
4	139	46.19	503.7	
5	151	369.07	3,699.3	
6	161	360.64	3,400.2	
7	171	478.04	4,226.7	
8	203	28.64	213.9	
9	10,380	75.00	10.9	Upper Marker

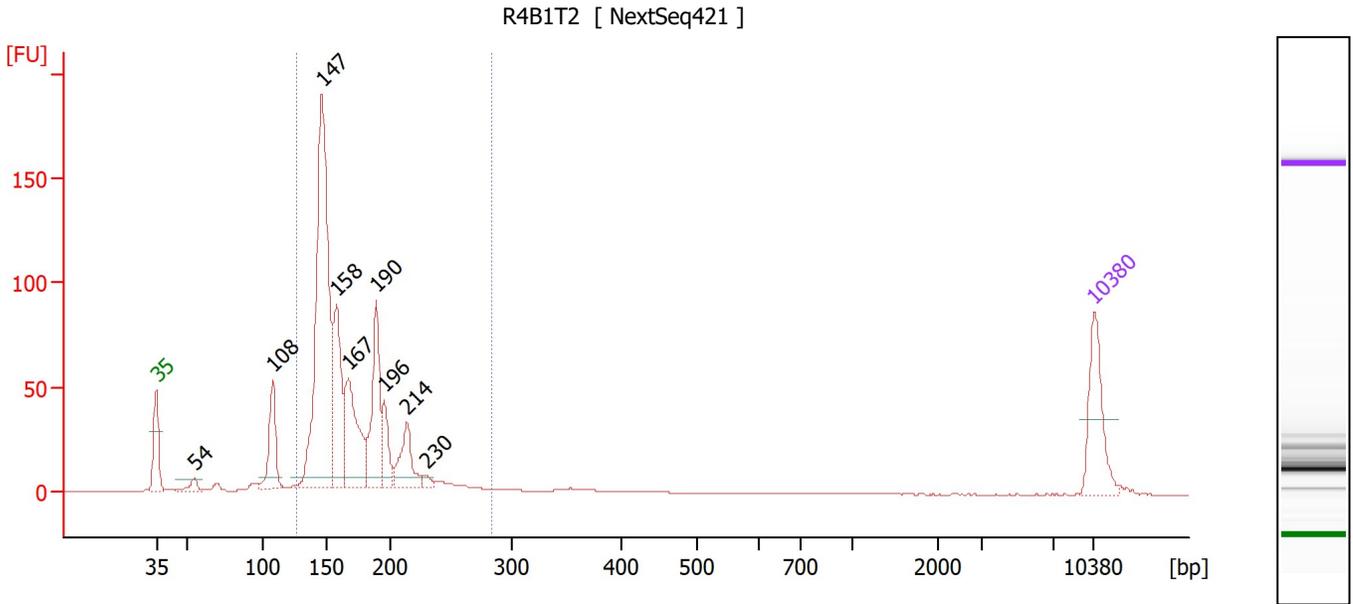
Region table for sample 1 : R3B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	241	765.2	90	166	10.5	1,310.33	12,078.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : R4B1T2

Number of peaks found: 9 Corr. Area 1: 815.2
 Noise: 0.1

Peak table for sample 2 : R4B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	14.78	412.0	
3	108	95.97	1,348.4	
4	147	592.06	6,122.4	
5	158	164.73	1,579.9	
6	167	158.82	1,439.4	
7	190	152.22	1,216.4	
8	196	53.08	410.4	
9	214	73.52	520.0	
10	230	10.72	70.7	
11	10,380	75.00	10.9	Upper Marker

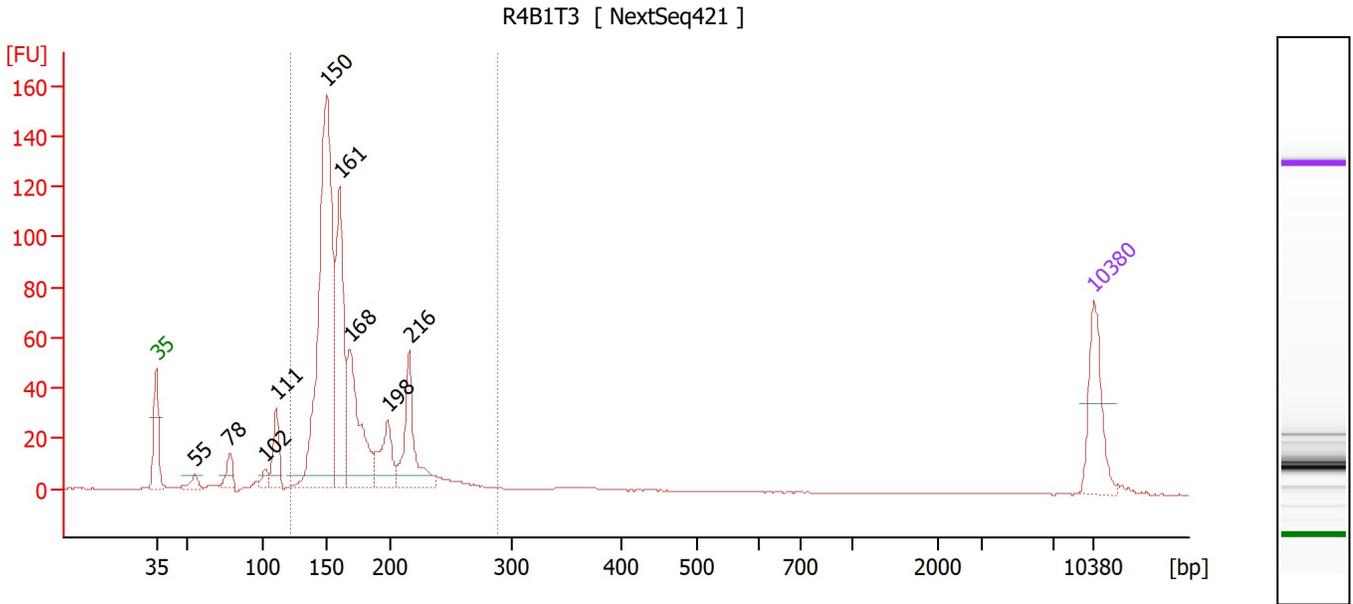
Region table for sample 2 : R4B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
127	284	815.2	86	169	16.7	1,309.35	12,071.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R4B1T3

Number of peaks found: 9 Corr. Area 1: 713.8
 Noise: 0.2

Peak table for sample 3 : R4B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	16.85	467.4	
3	78	31.94	619.8	
4	102	16.92	251.8	
5	111	61.83	846.9	
6	150	625.75	6,301.5	
7	161	254.60	2,403.0	
8	168	185.77	1,673.1	
9	198	78.78	601.5	
10	216	125.73	881.3	
11	10,380	75.00	10.9	Upper Marker

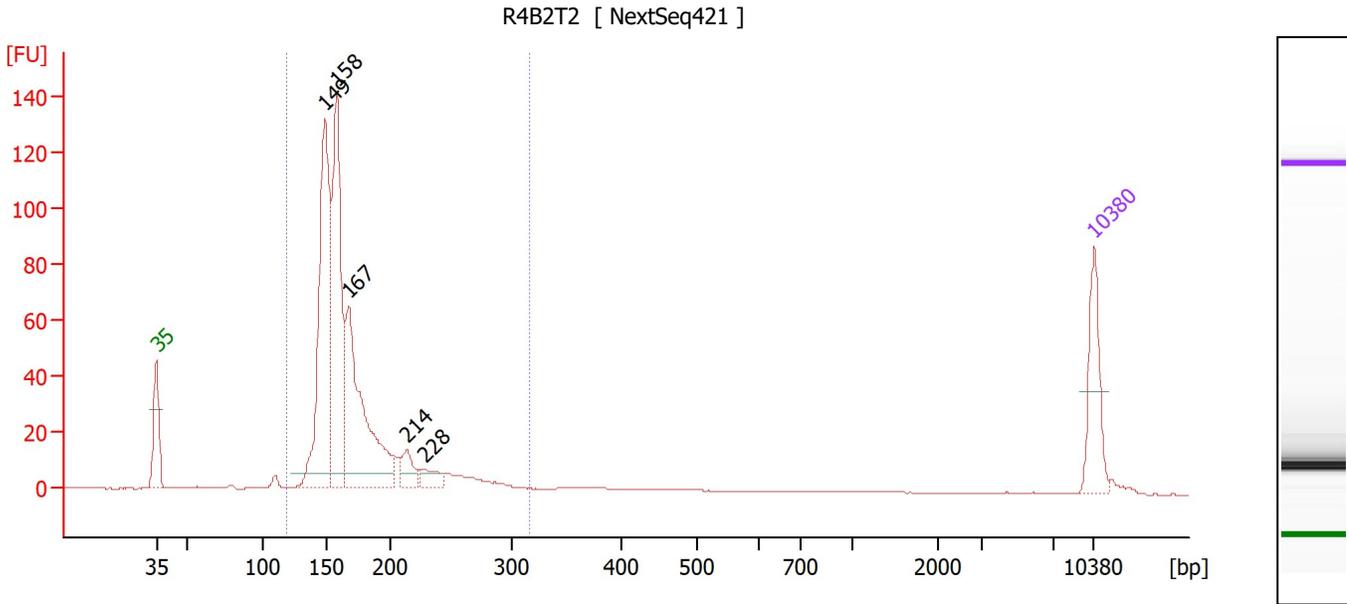
Region table for sample 3 : R4B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
122	289	713.8	86	170	17.1	1,341.23	12,335.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : R4B2T2

Number of peaks found: 5 Corr. Area 1: 664.0
 Noise: 0.2

Peak table for sample 4 : R4B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	149	456.75	4,645.4	
3	158	370.91	3,554.3	
4	167	347.76	3,150.2	
5	214	38.87	275.1	
6	228	29.82	198.2	
7	10,380	75.00	10.9	Upper Marker

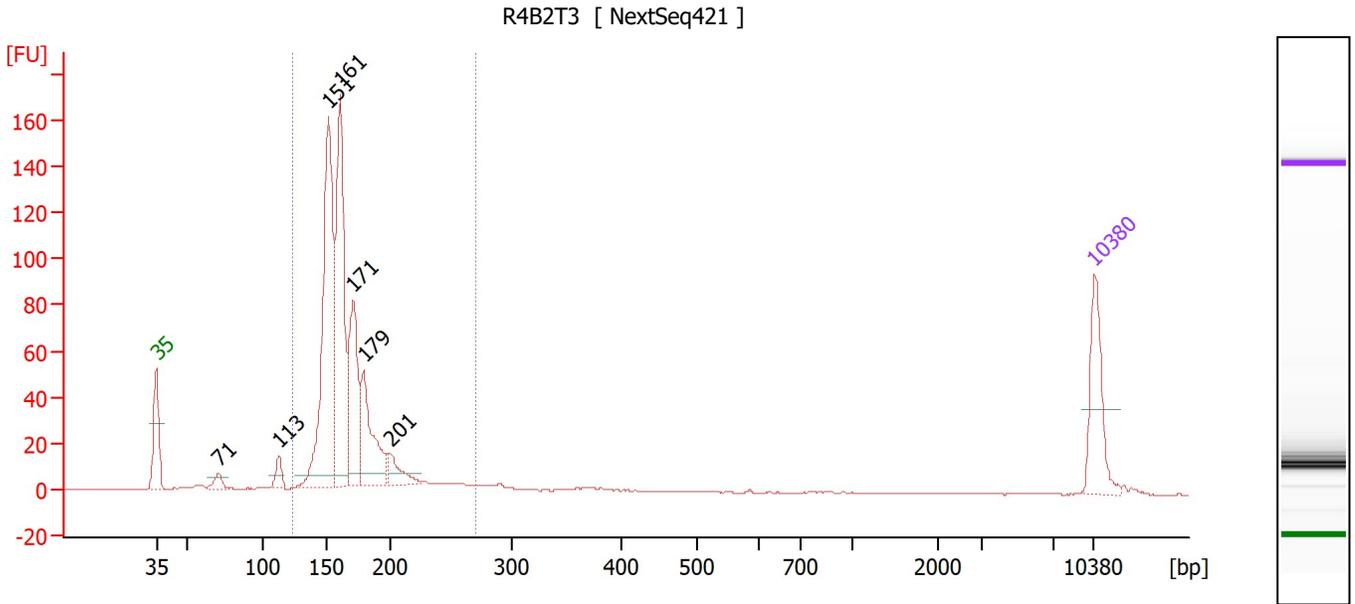
Region table for sample 4 : R4B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
118	317	664.0	93	172	18.9	1,330.36	12,157.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : R4B2T3

Number of peaks found: 7 Corr. Area 1: 696.6
 Noise: 0.2

Peak table for sample 5 : R4B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	71	17.35	372.5	
3	113	23.43	314.7	
4	151	433.10	4,331.6	
5	161	325.75	3,066.6	
6	171	171.47	1,519.0	
7	179	138.87	1,174.1	
8	201	38.60	291.4	
9	10,380	75.00	10.9	Upper Marker

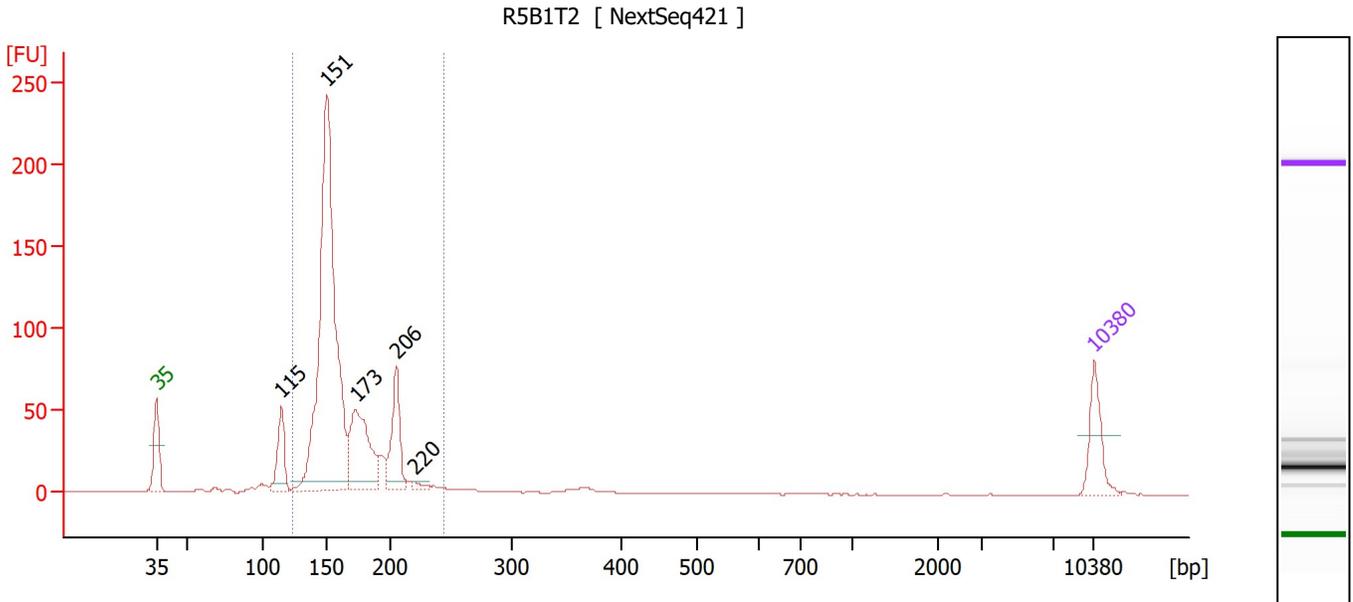
Region table for sample 5 : R4B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
123	271	696.6	92	167	13.1	1,190.97	10,972.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R5B1T2

Number of peaks found: 5 Corr. Area 1: 820.8
 Noise: 0.1

Peak table for sample 6 : R5B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	115	118.11	1,560.1	
3	151	1,162.88	11,705.2	
4	173	271.35	2,374.3	
5	206	160.74	1,184.2	
6	220	13.87	95.6	
7	10,380	75.00	10.9	Upper Marker

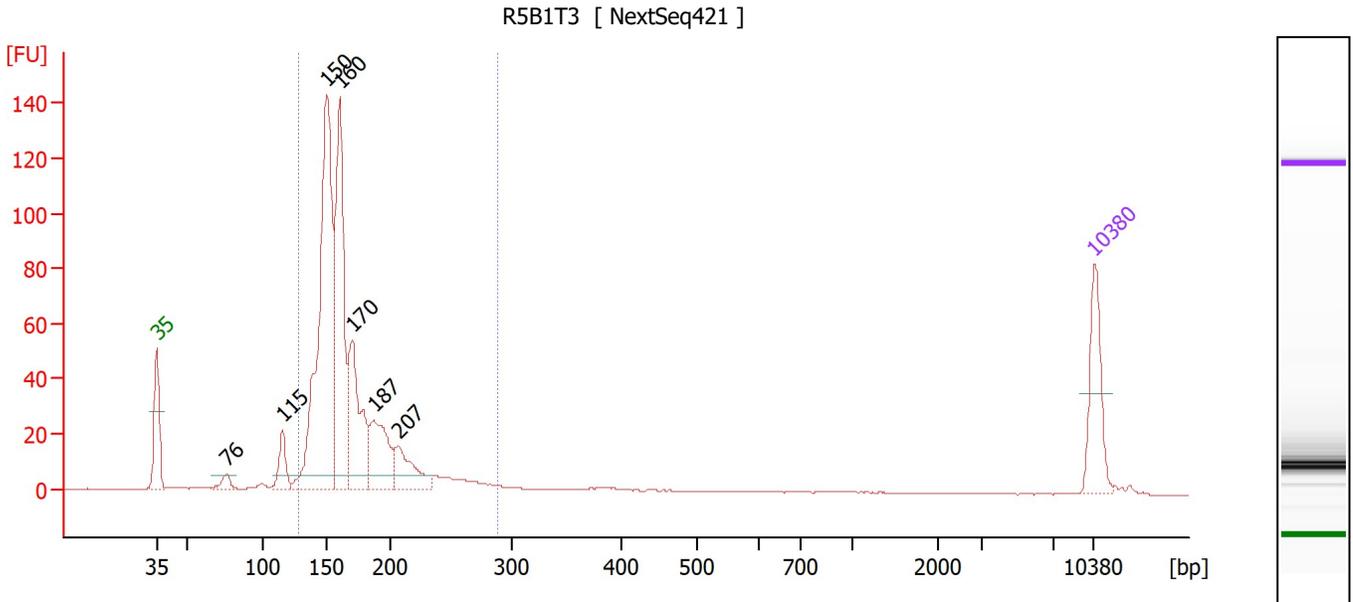
Region table for sample 6 : R5B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
124	244	820.8	88	165	13.8	1,707.64	15,996.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : R5B1T3

Number of peaks found: 7 Corr. Area 1: 674.3
 Noise: 0.1

Peak table for sample 7 : R5B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	76	17.44	347.2	
3	115	47.81	627.5	
4	150	593.51	5,976.4	
5	160	327.45	3,095.0	
6	170	187.41	1,668.9	
7	187	118.68	960.6	
8	207	74.17	542.6	
9	10,380	75.00	10.9	Upper Marker

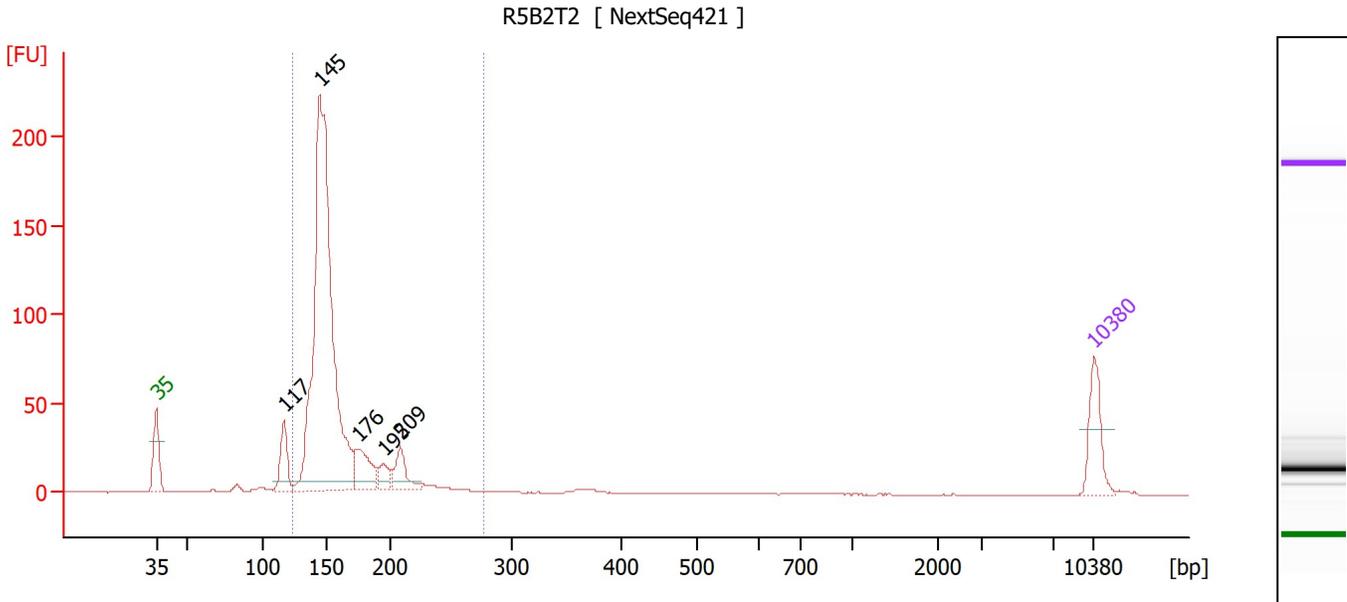
Region table for sample 7 : R5B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
128	288	674.3	91	168	16.6	1,354.18	12,520.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : R5B2T2

Number of peaks found: 5 Corr. Area 1: 734.5
 Noise: 0.1

Peak table for sample 8 : R5B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	117	94.38	1,226.5	
3	145	1,298.93	13,591.9	
4	176	101.25	872.0	
5	195	41.59	322.9	
6	209	71.73	520.7	
7	10,380	75.00	10.9	Upper Marker

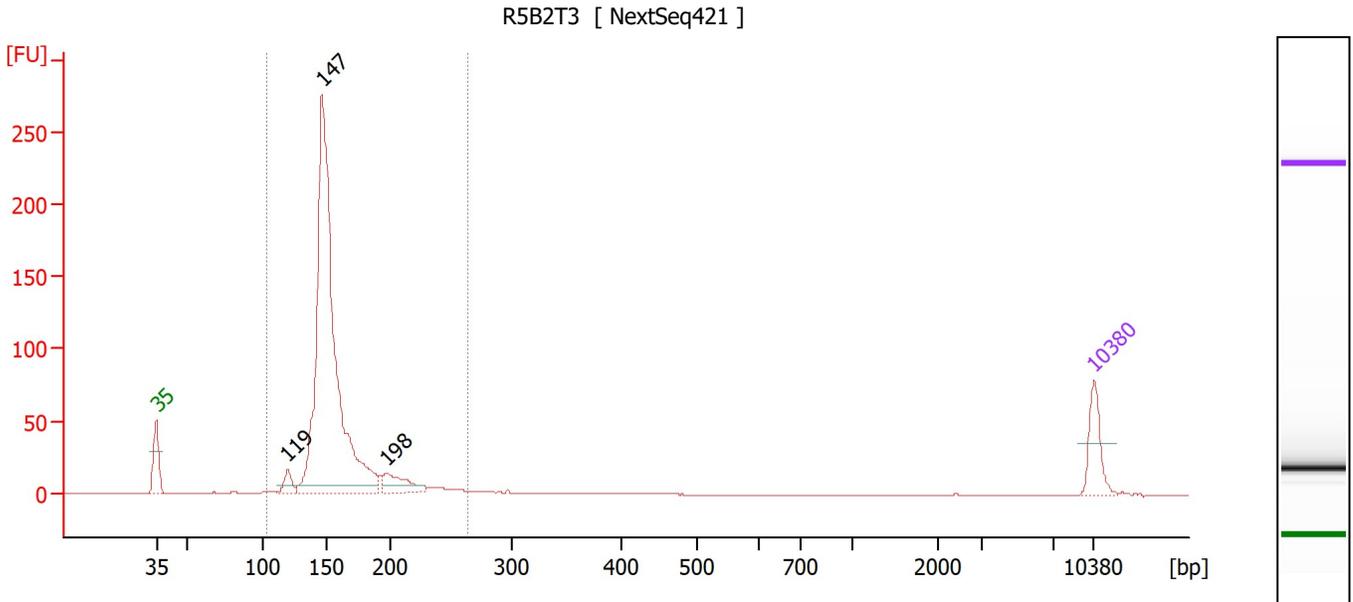
Region table for sample 8 : R5B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
123	277	734.5	90	159	15.5	1,588.13	15,484.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : R5B2T3

Number of peaks found: 3 Corr. Area 1: 794.7
 Noise: 0.1

Peak table for sample 9 : R5B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	119	41.52	526.6	
3	147	1,562.27	16,144.9	
4	198	89.03	680.8	
5	10,380	75.00	10.9	Upper Marker

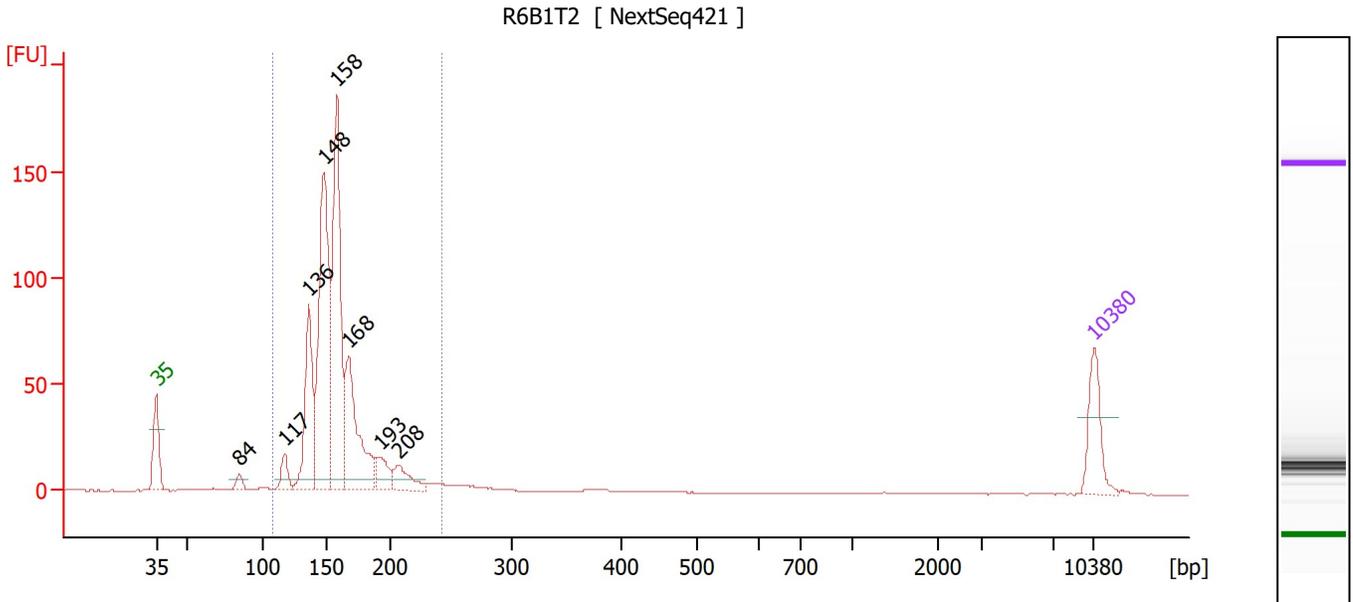
Region table for sample 9 : R5B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
103	264	794.7	97	158	14.7	1,735.05	16,986.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : R6B1T2

Number of peaks found: 8 Corr. Area 1: 712.8
 Noise: 0.1

Peak table for sample 10 : R6B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	84	20.28	364.8	
3	117	43.66	563.2	
4	136	247.25	2,752.3	
5	148	507.43	5,191.1	
6	158	497.22	4,762.4	
7	168	261.90	2,367.4	
8	193	54.88	431.9	
9	208	60.80	443.7	
10	10,380	75.00	10.9	Upper Marker

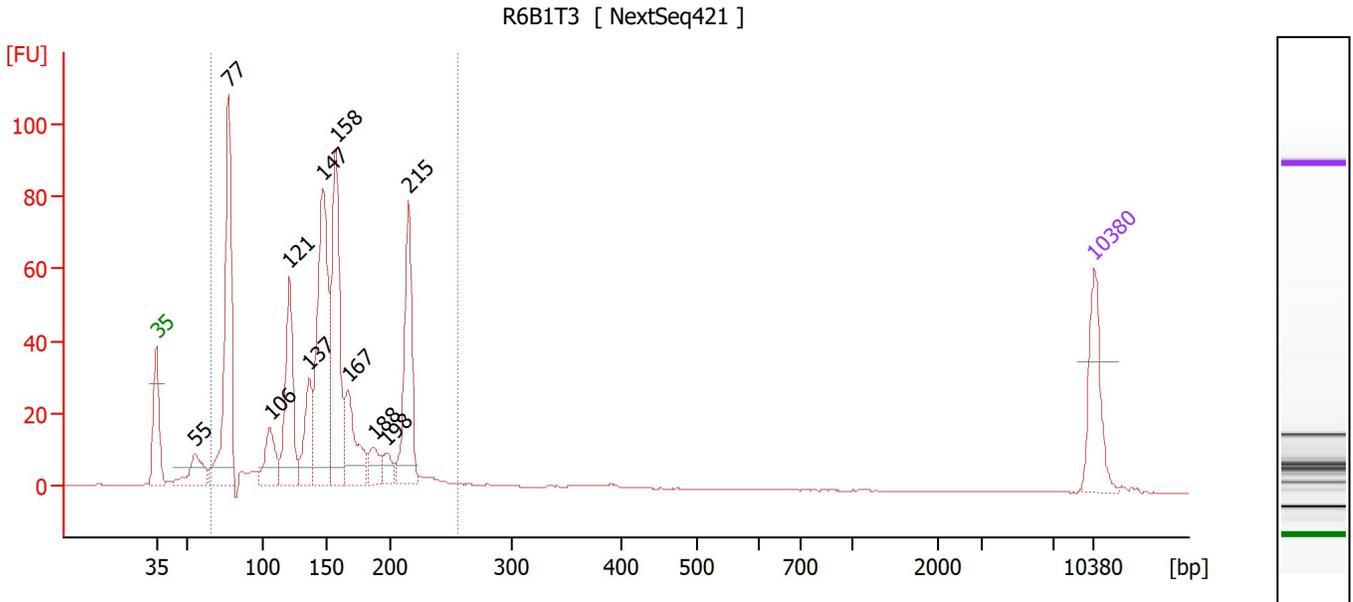
Region table for sample 10 : R6B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
107	242	712.8	94	158	13.2	1,705.37	16,597.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
 Modified: 12/1/2023 4:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : R6B1T3

Number of peaks found: 11 Corr. Area 1: 644.3
 Noise: 0.1

Peak table for sample 11 : R6B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	62.54	1,724.0	
3	77	343.29	6,726.7	
4	106	74.03	1,061.4	
5	121	186.41	2,331.0	
6	137	93.72	1,039.2	
7	147	342.11	3,516.4	
8	158	278.77	2,680.3	
9	167	109.38	991.8	
10	188	37.36	301.9	
11	198	26.19	200.7	
12	215	192.50	1,355.0	
13	10,380	75.00	10.9	Upper Marker

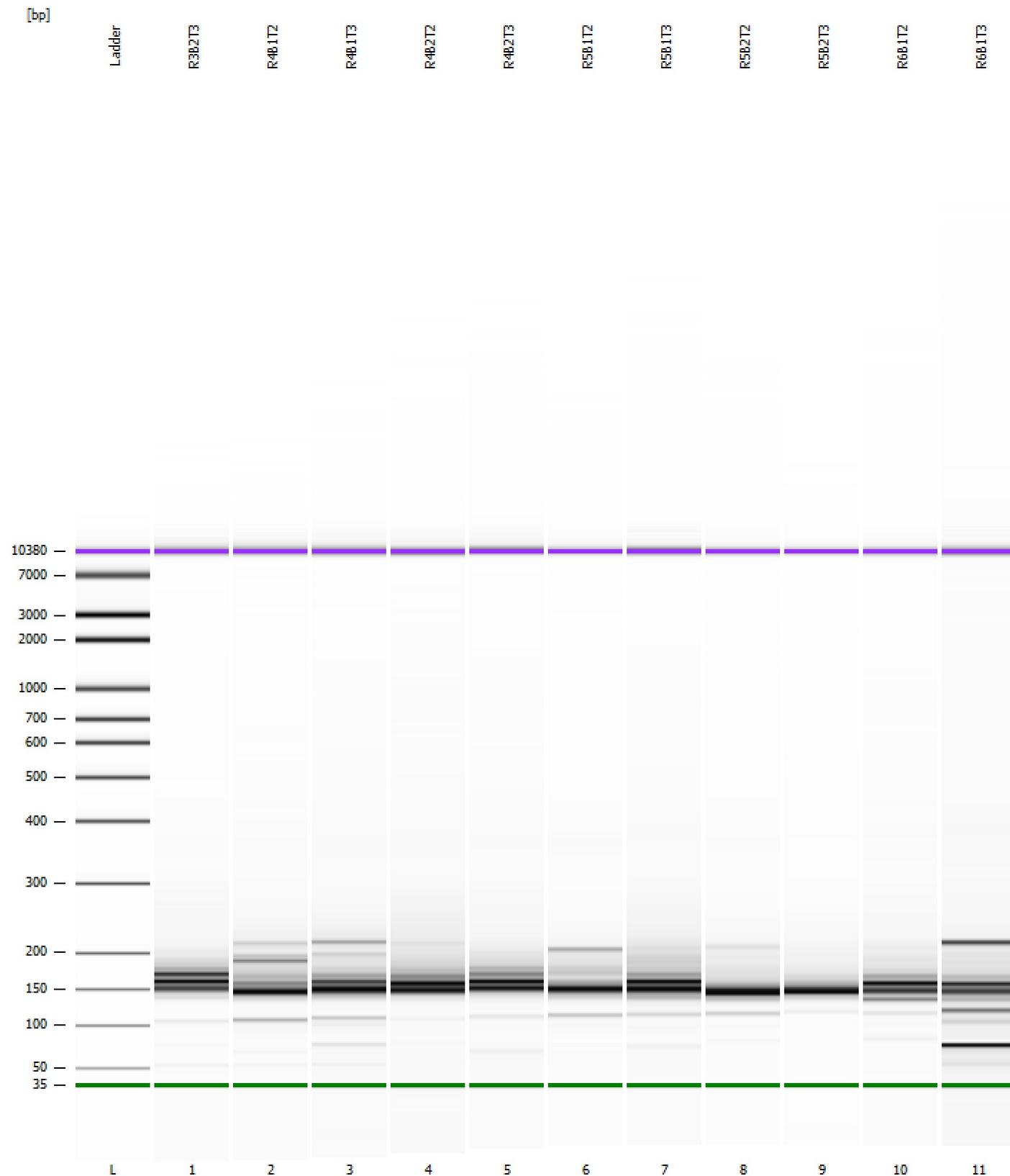
Region table for sample 11 : R6B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
66	255	644.3	94	146	30.1	1,772.26	21,123.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
Modified: 12/1/2023 4:34:21 PM

Gel Image

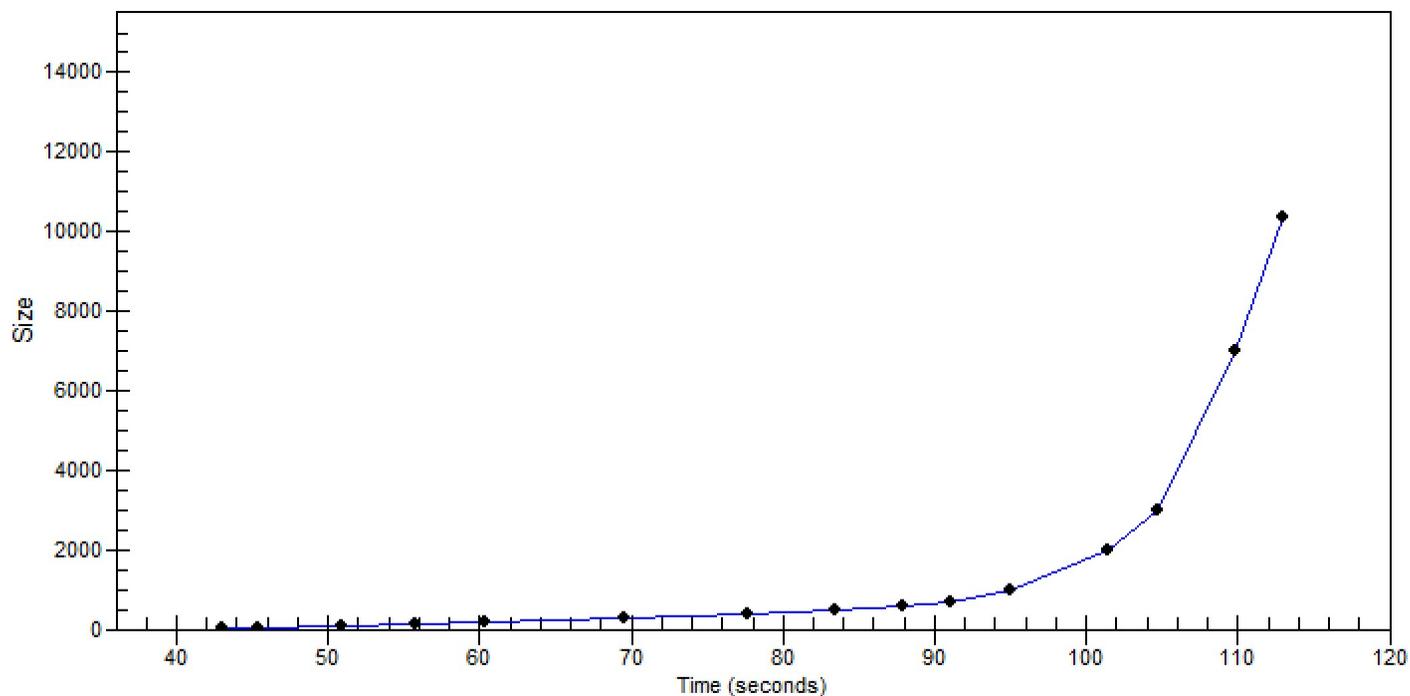


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad

Created: 12/1/2023 3:53:17 PM
Modified: 12/1/2023 4:34:21 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 12/1/2023 3:53:17 PM
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad Modified: 12/1/2023 4:34:21 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		12/1/2023 4:33:46 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\2023-12-01\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-12-01_002.xad)		Instrument	Run		12/1/2023 3:53:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/1/2023 3:53:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/1/2023 3:53:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/1/2023 3:53:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/1/2023 3:53:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/1/2023 3:53:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/1/2023 3:53:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB