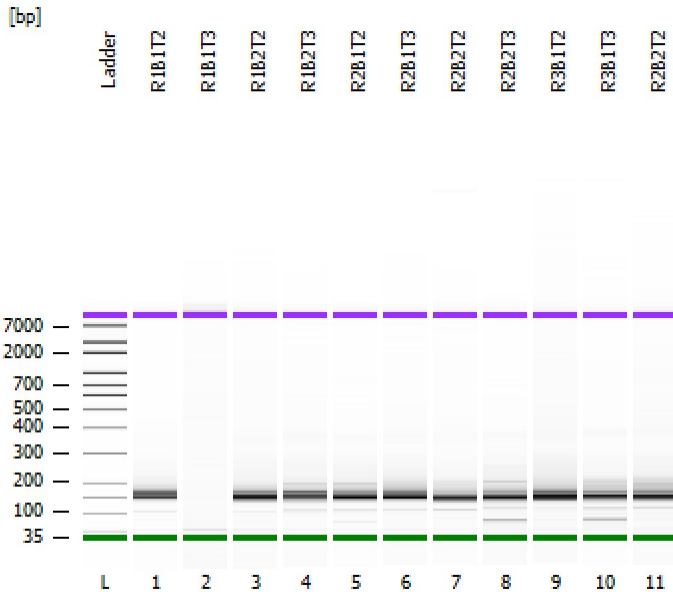


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
Modified: 12/1/2023 3:41:14 PM

Electrophoresis File Run Summary



Instrument Information:

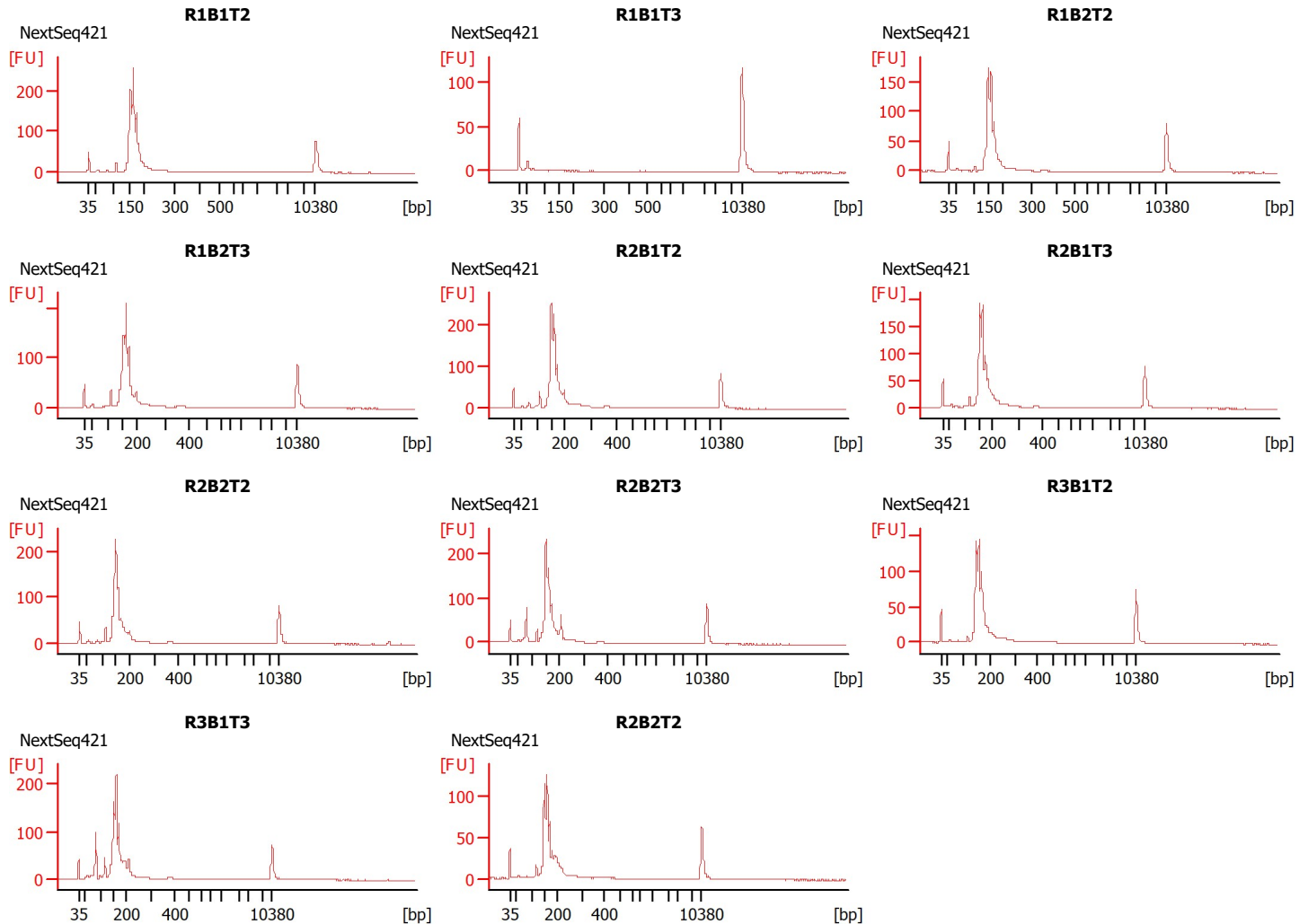
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
R1B1T2	NextSeq421	<input type="checkbox"/>		✓		
R1B1T3	NextSeq421	<input type="checkbox"/>		✓		
R1B2T2	NextSeq421	<input type="checkbox"/>		✓		
R1B2T3	NextSeq421	<input type="checkbox"/>		✓		
R2B1T2	NextSeq421	<input type="checkbox"/>		✓		
R2B1T3	NextSeq421	<input type="checkbox"/>		✓		
R2B2T2	NextSeq421	<input type="checkbox"/>		✓		
R2B2T3	NextSeq421	<input type="checkbox"/>		✓		
R3B1T2	NextSeq421	<input type="checkbox"/>		✓		
R3B1T3	NextSeq421	<input type="checkbox"/>		✓		
R2B2T2	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_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 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

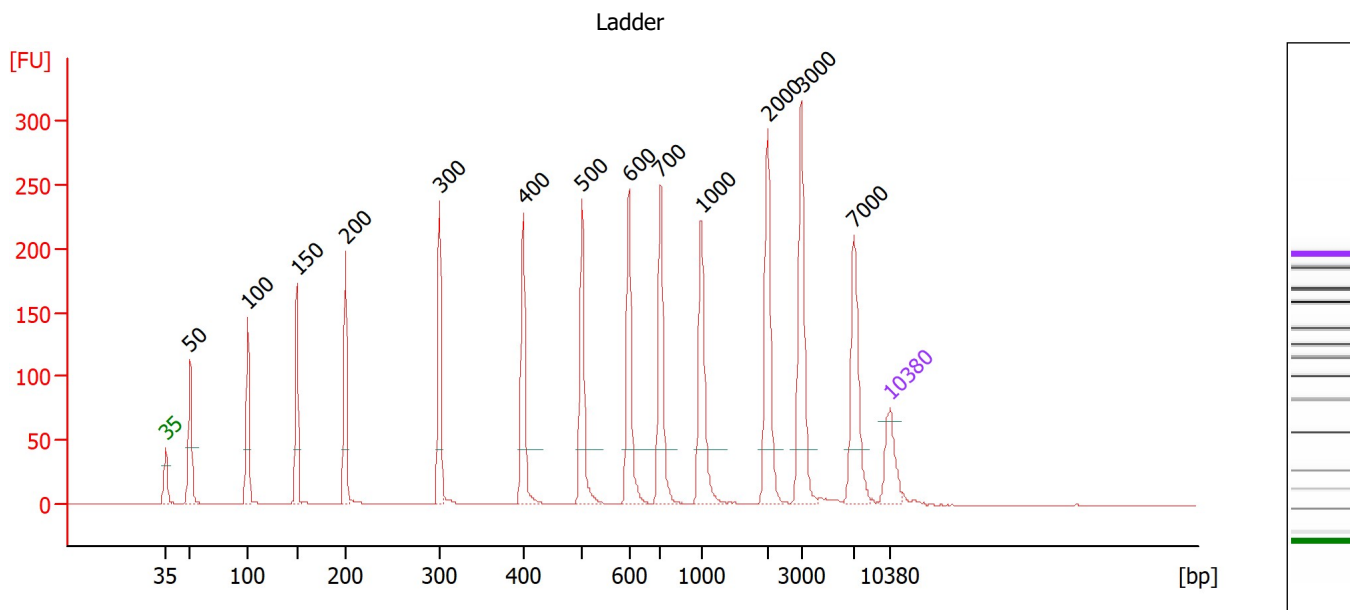
Ladder

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_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

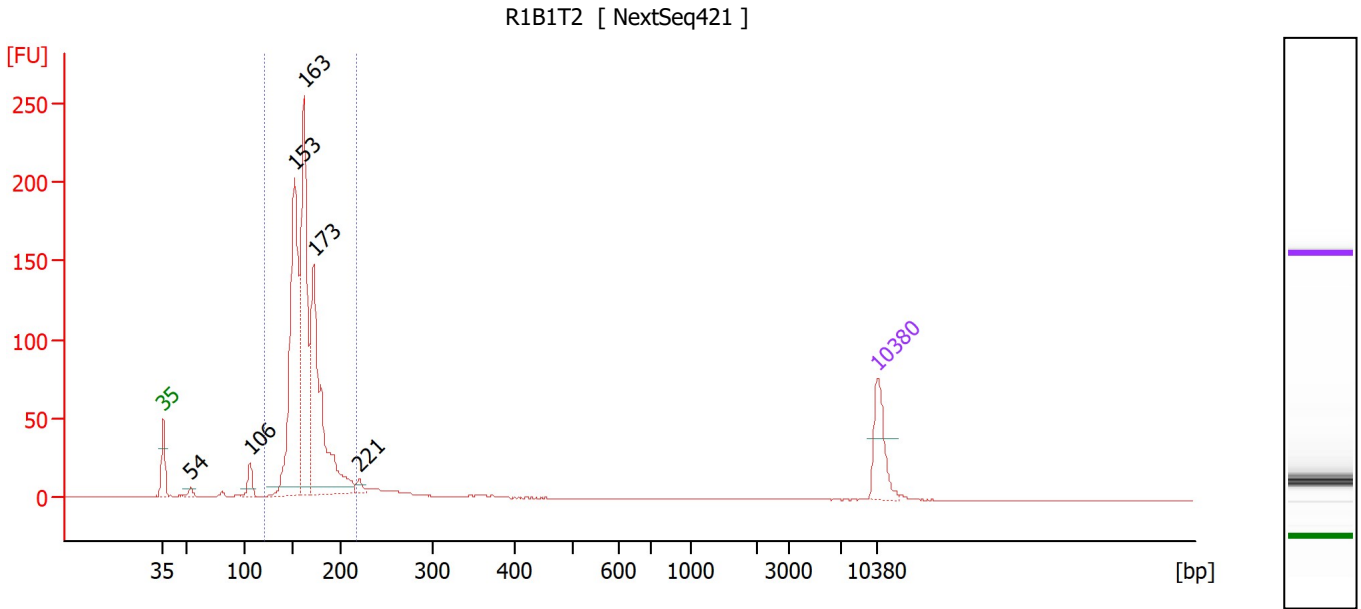
Peak table for Ladder

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_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : R1B1T2

Number of peaks found: 6 Corr. Area 1: 990.2
 Noise: 0.2

Peak table for sample 1 : R1B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	11.07	312.9	
3	106	38.01	542.2	
4	153	598.65	5,944.9	
5	163	522.64	4,869.7	
6	173	527.25	4,627.0	
7	221	14.61	100.3	
8	10,380	75.00	10.9	Upper Marker

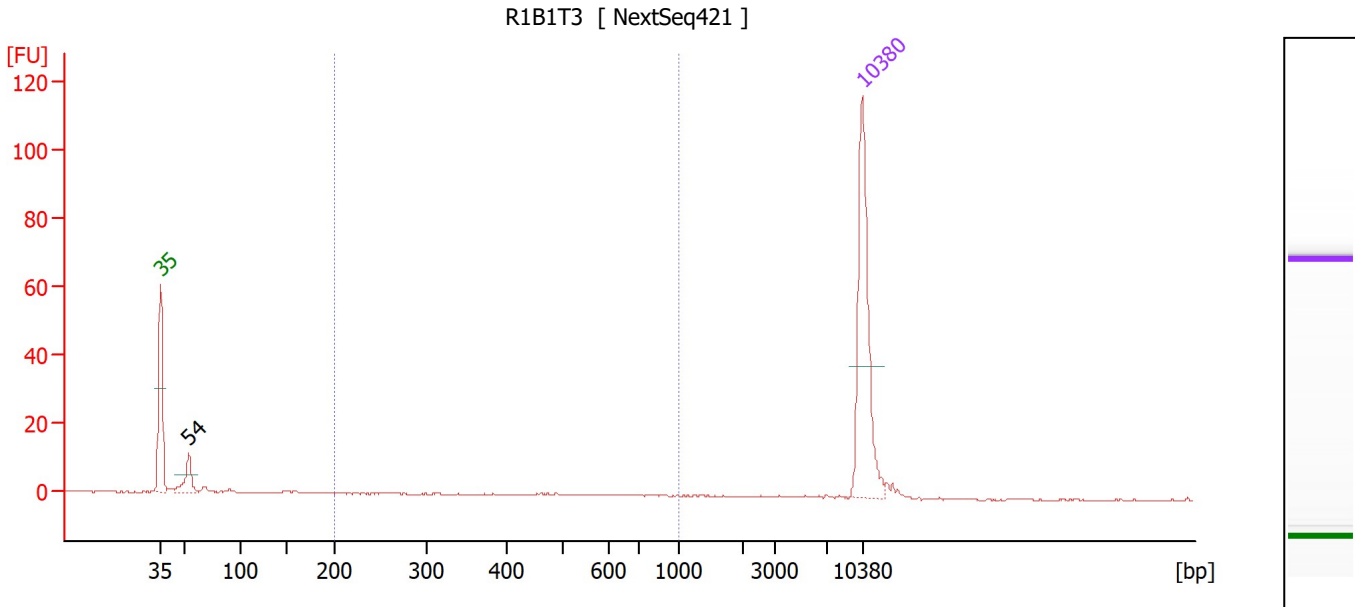
Region table for sample 1 : R1B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
120	217	990.2	89	165	9.0	1,694.82	15,680.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : R1B1T3

Number of peaks found: 1 Corr. Area 1: 0.4
 Noise: 0.1

Peak table for sample 2 : R1B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	22.36	626.9	
3	10,380	75.00	10.9	Upper Marker

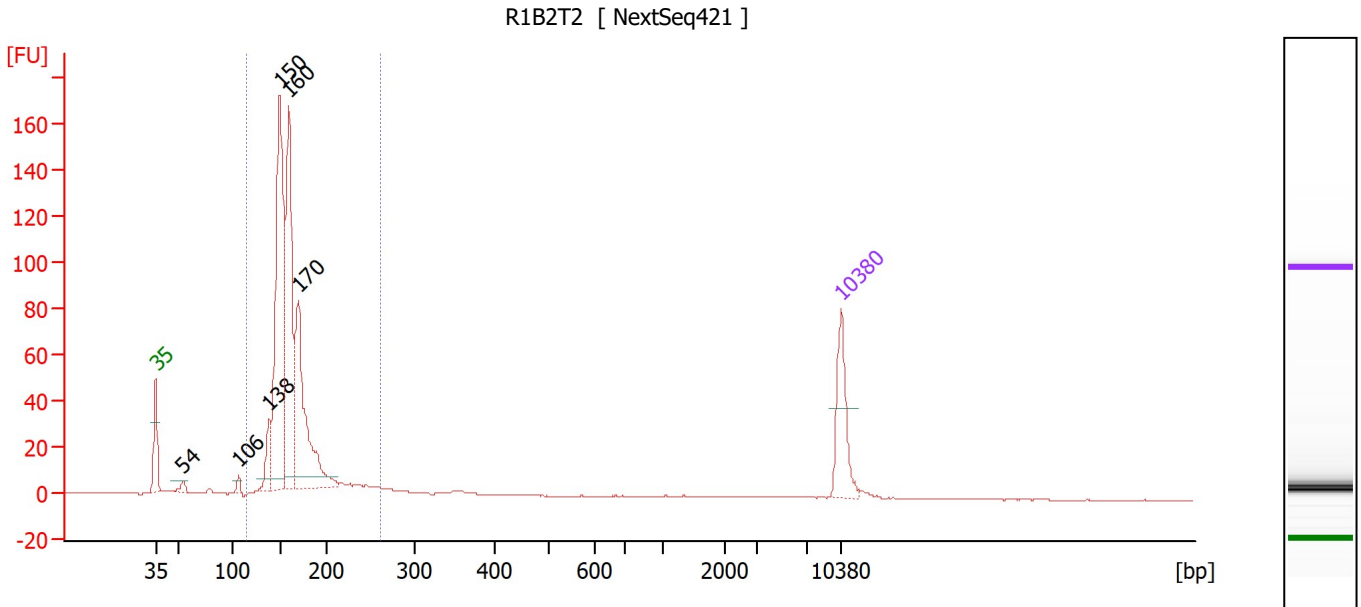
Region table for sample 2 : R1B1T3

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	0.4	1	385	33.1	0.42	2.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R1B2T2

Number of peaks found: 6 Corr. Area 1: 750.9
 Noise: 0.2

Peak table for sample 3 : R1B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	11.70	327.4	
3	106	11.22	160.5	
4	138	61.78	678.0	
5	150	531.69	5,366.2	
6	160	361.69	3,425.2	
7	170	308.18	2,739.5	
8	10,380	75.00	10.9	Upper Marker

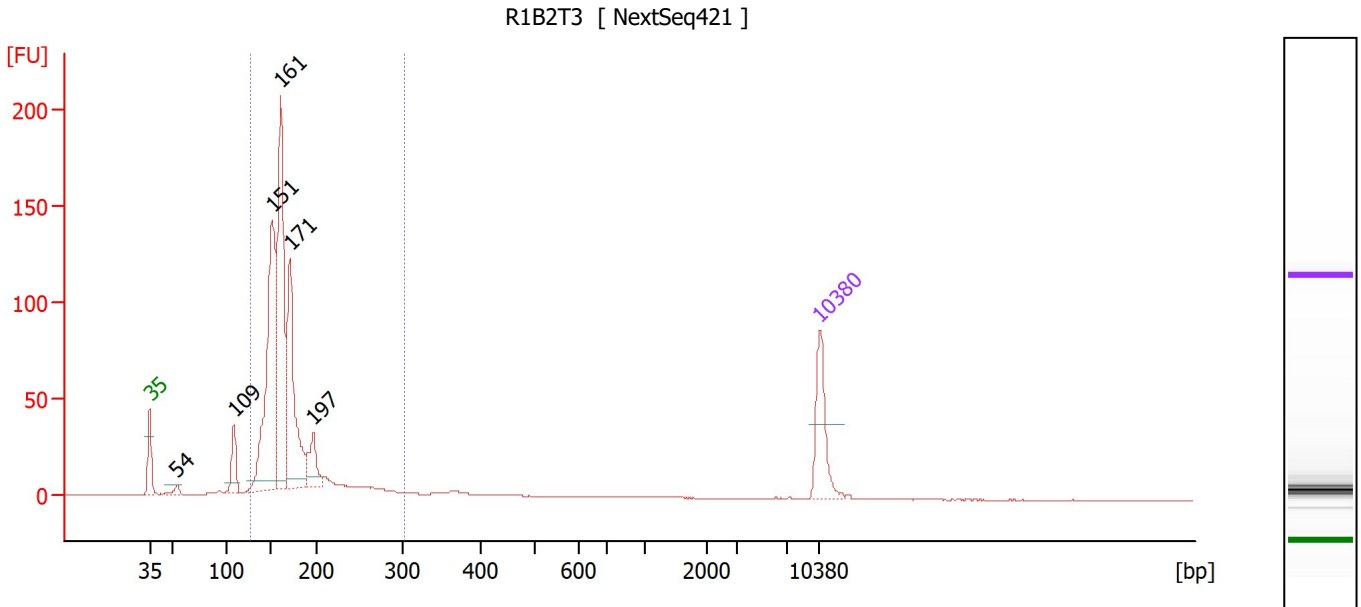
Region table for sample 3 : R1B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
114	262	750.9	91	163	13.0	1,383.63	13,033.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : R1B2T3

Number of peaks found: 6 Corr. Area 1: 870.0
 Noise: 0.2

Peak table for sample 4 : R1B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	13.70	382.8	
3	109	61.60	855.1	
4	151	452.90	4,530.5	
5	161	425.28	4,003.0	
6	171	290.36	2,571.7	
7	197	66.68	512.3	
8	10,380	75.00	10.9	Upper Marker

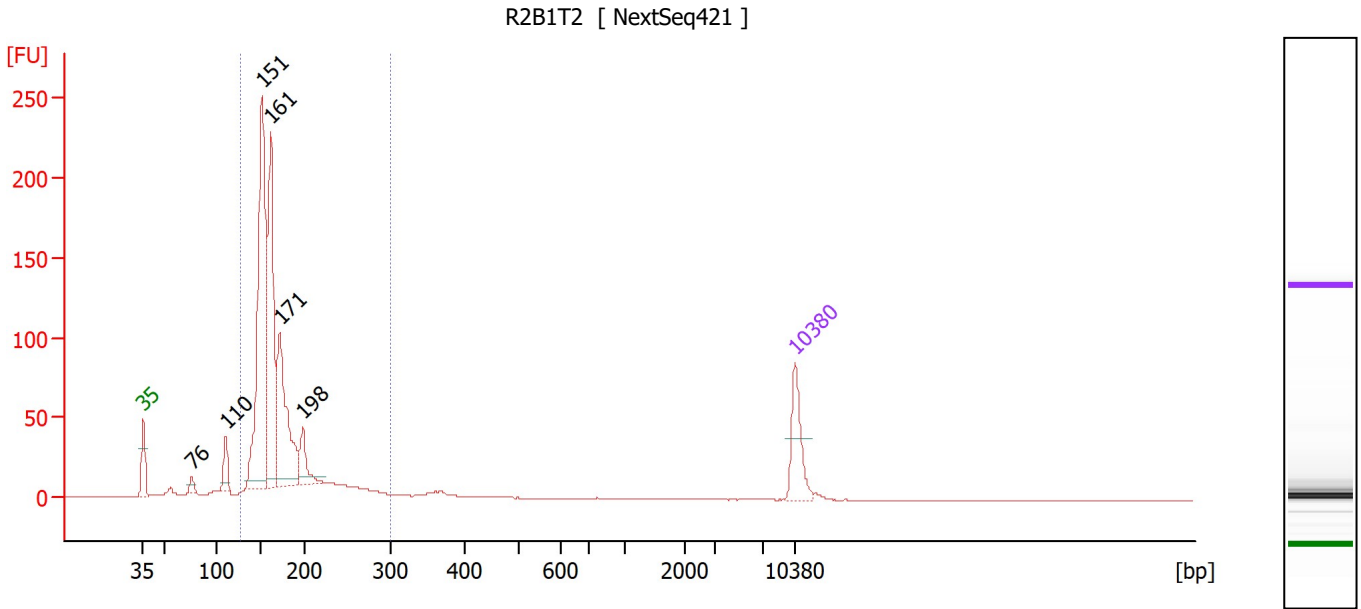
Region table for sample 4 : R1B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
127	302	870.0	90	169	16.3	1,400.32	12,859.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : R2B1T2

Number of peaks found: 6 Corr. Area 1: 1,109.0
 Noise: 0.2

Peak table for sample 5 : R2B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	76	20.15	404.1	
3	110	54.90	756.3	
4	151	712.07	7,140.3	
5	161	458.61	4,319.2	
6	171	327.62	2,898.4	
7	198	80.54	617.8	
8	10,380	75.00	10.9	Upper Marker

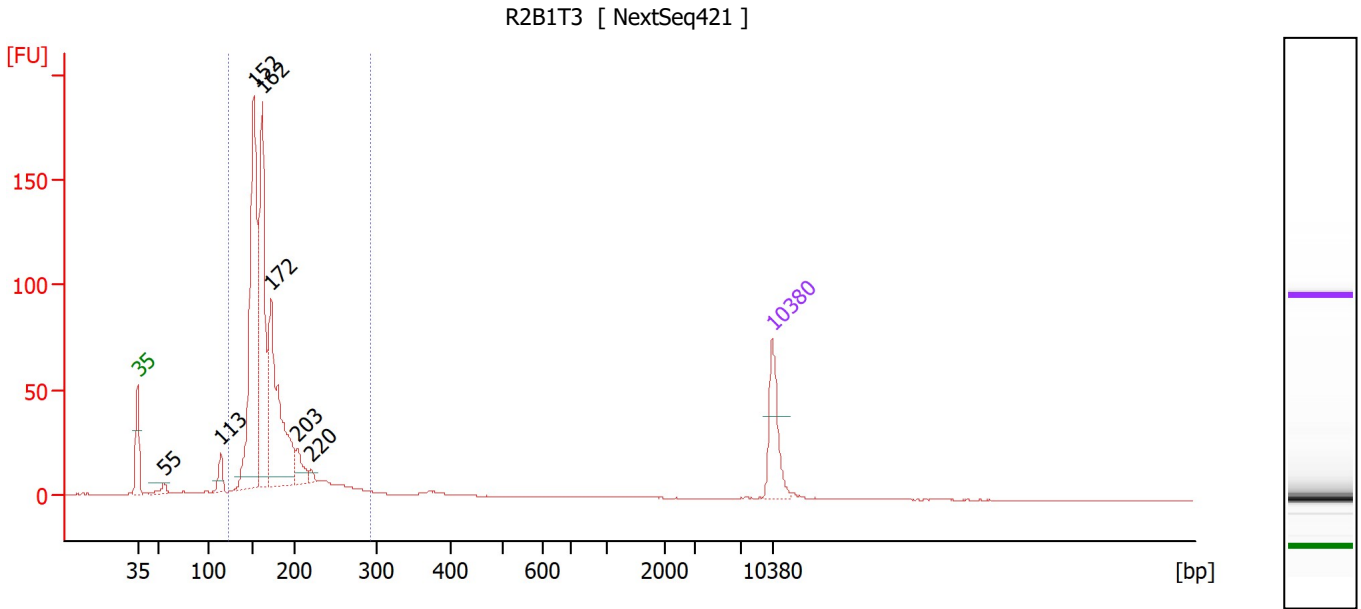
Region table for sample 5 : R2B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
126	302	1,109.0	90	170	16.9	1,831.75	16,793.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R2B1T3

Number of peaks found: 7 Corr. Area 1: 870.3
 Noise: 0.1

Peak table for sample 6 : R2B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	18.91	519.6	
3	113	37.08	496.7	
4	152	606.70	6,062.5	
5	162	426.58	3,998.0	
6	172	404.80	3,559.0	
7	203	44.86	334.6	
8	220	9.43	65.0	
9	10,380	75.00	10.9	Upper Marker

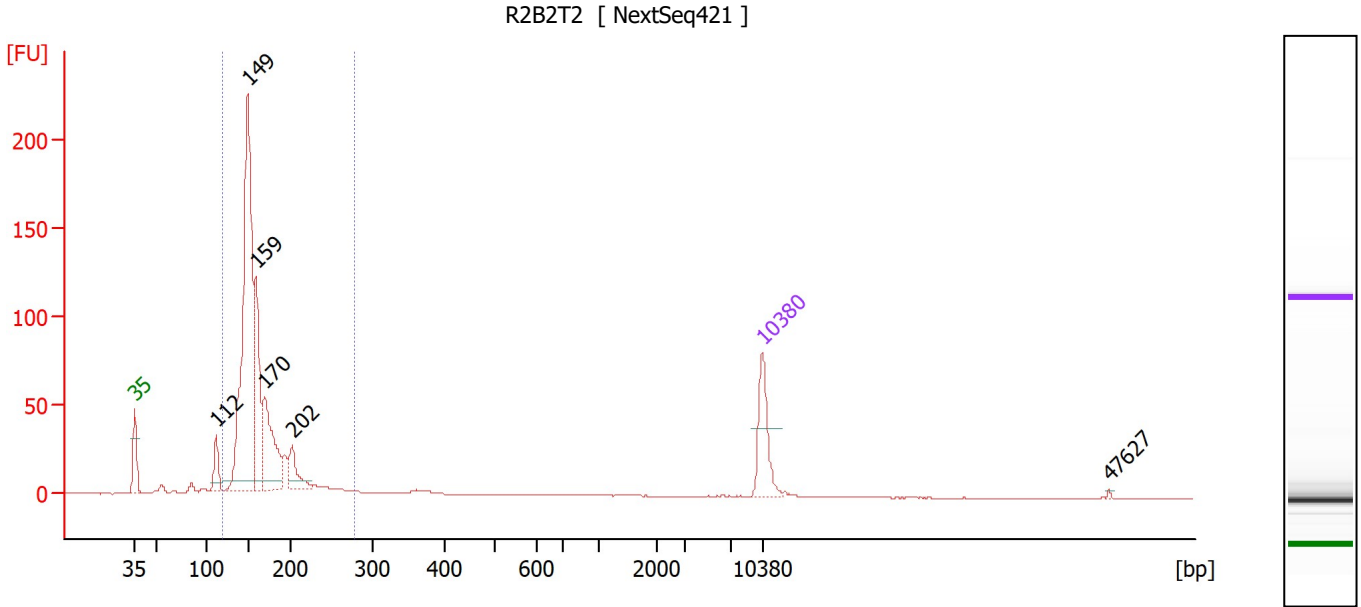
Region table for sample 6 : R2B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
122	291	870.3	93	171	15.6	1,683.98	15,289.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : R2B2T2

Number of peaks found: 6 Corr. Area 1: 844.6
 Noise: 0.1

Peak table for sample 7 : R2B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	112	56.07	756.5	
3	149	803.40	8,151.1	
4	159	227.98	2,165.9	
5	170	209.65	1,872.6	
6	202	66.30	497.2	
7	10,380	75.00	10.9	Upper Marker
8	47,627	0.00	0.0	

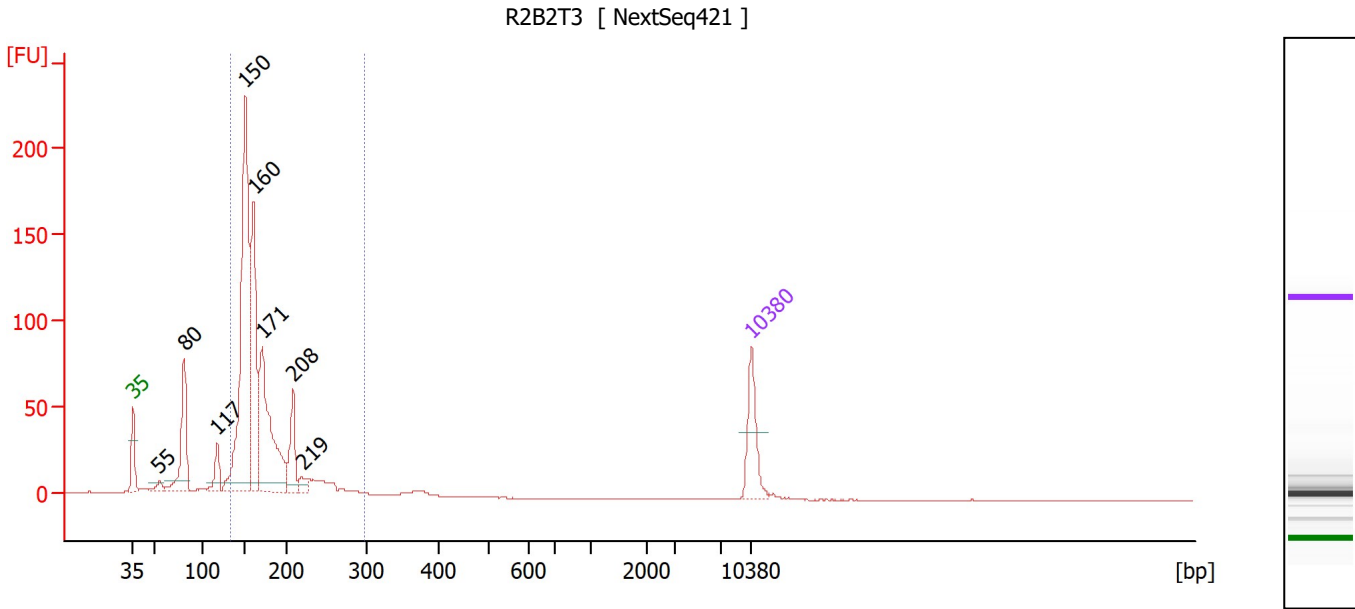
Region table for sample 7 : R2B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
119	278	844.6	89	163	15.1	1,446.03	13,727.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : R2B2T3

Number of peaks found: 8 Corr. Area 1: 943.9
 Noise: 0.2

Peak table for sample 8 : R2B2T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	18.32	502.0	
3	80	185.54	3,504.0	
4	117	50.03	648.4	
5	150	713.26	7,204.0	
6	160	342.20	3,234.2	
7	171	348.06	3,091.0	
8	208	94.83	690.2	
9	219	22.59	156.4	
10	10,380	75.00	10.9	Upper Marker

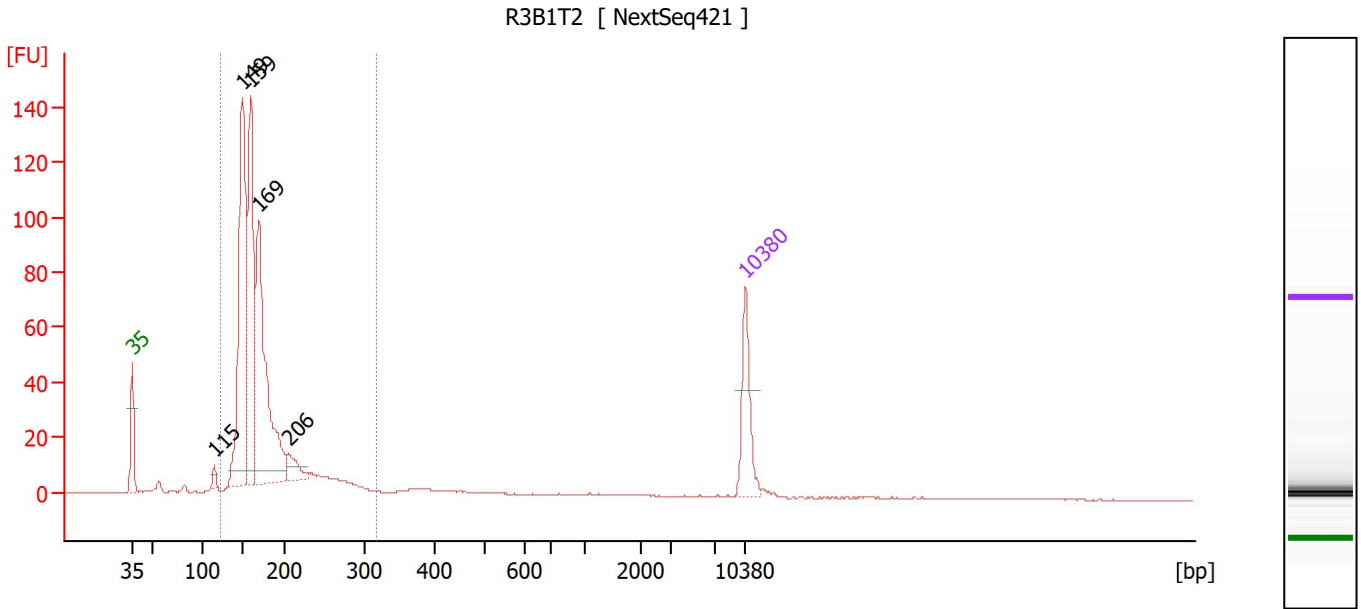
Region table for sample 8 : R2B2T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	296	943.9	83	169	16.2	1,591.28	14,655.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : R3B1T2

Number of peaks found: 5 Corr. Area 1: 747.6
 Noise: 0.1

Peak table for sample 9 : R3B1T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	115	14.45	190.0	
3	149	498.47	5,060.3	
4	159	350.21	3,337.6	
5	169	445.83	3,988.3	
6	206	42.44	312.3	
7	10,380	75.00	10.9	Upper Marker

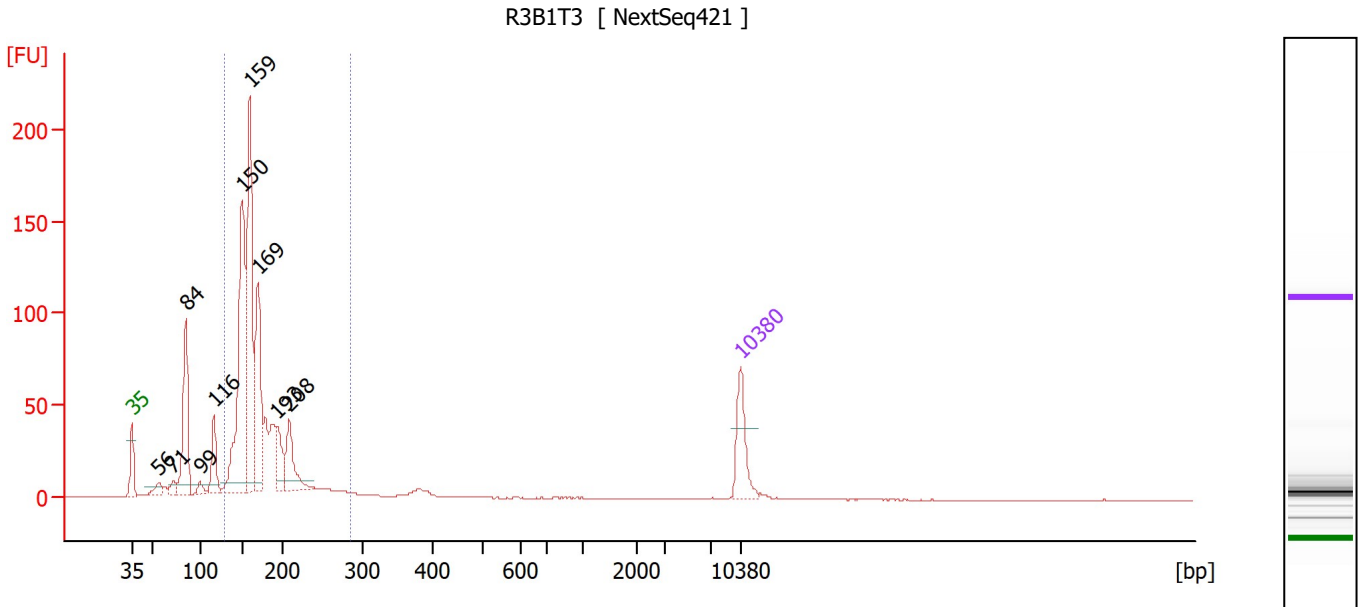
Region table for sample 9 : R3B1T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
123	319	747.6	90	173	19.0	1,551.47	14,046.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : R3B1T3

Number of peaks found: 10 Corr. Area 1: 897.2
 Noise: 0.1

Peak table for sample 10 : R3B1T3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	32.04	862.6	
3	71	23.35	497.1	
4	84	252.25	4,528.6	
5	99	19.47	298.9	
6	116	95.33	1,245.3	
7	150	547.88	5,547.1	
8	159	477.00	4,532.2	
9	169	257.52	2,305.0	
10	193	81.76	642.4	
11	208	112.53	819.2	
12	10,380	75.00	10.9	Upper Marker

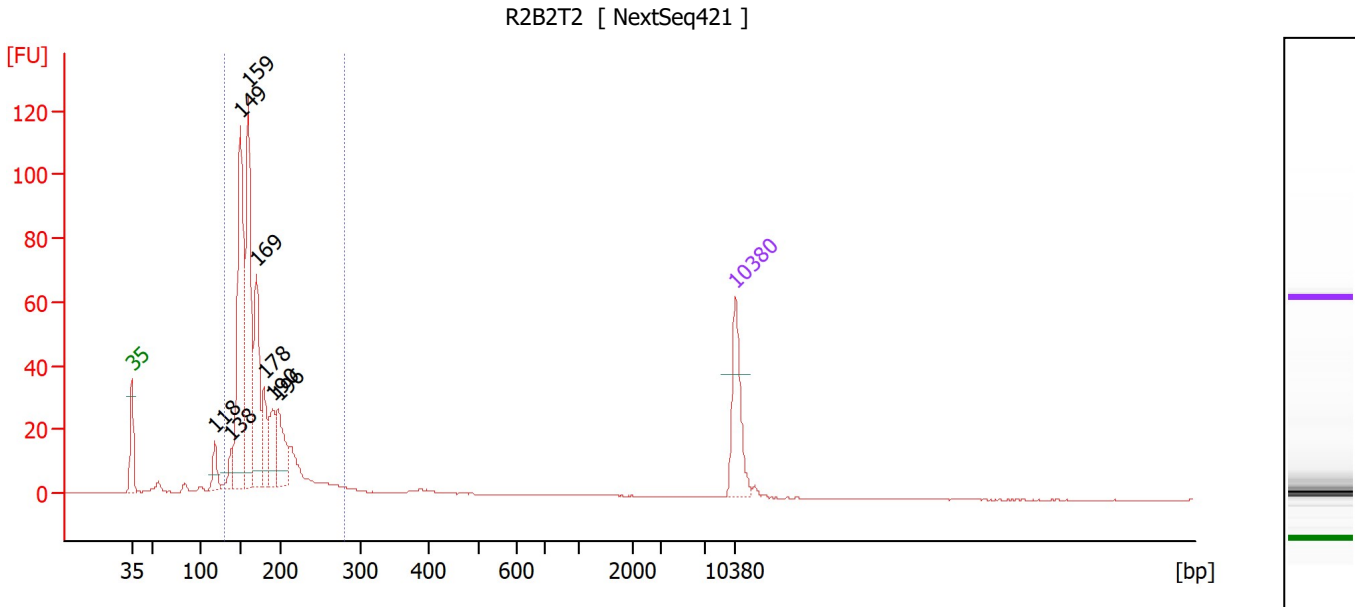
Region table for sample 10 : R3B1T3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
128	285	897.2	77	170	15.5	1,783.00	16,225.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
 Modified: 12/1/2023 3:41:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : R2B2T2

Number of peaks found: 8 Corr. Area 1: 567.8
 Noise: 0.1

Peak table for sample 11 : R2B2T2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	118	39.08	501.4	
3	138	32.44	355.4	
4	149	367.09	3,722.7	
5	159	319.50	3,038.9	
6	169	180.56	1,617.0	
7	178	75.06	637.4	
8	190	63.97	511.1	
9	196	92.10	713.5	
10	10,380	75.00	10.9	Upper Marker

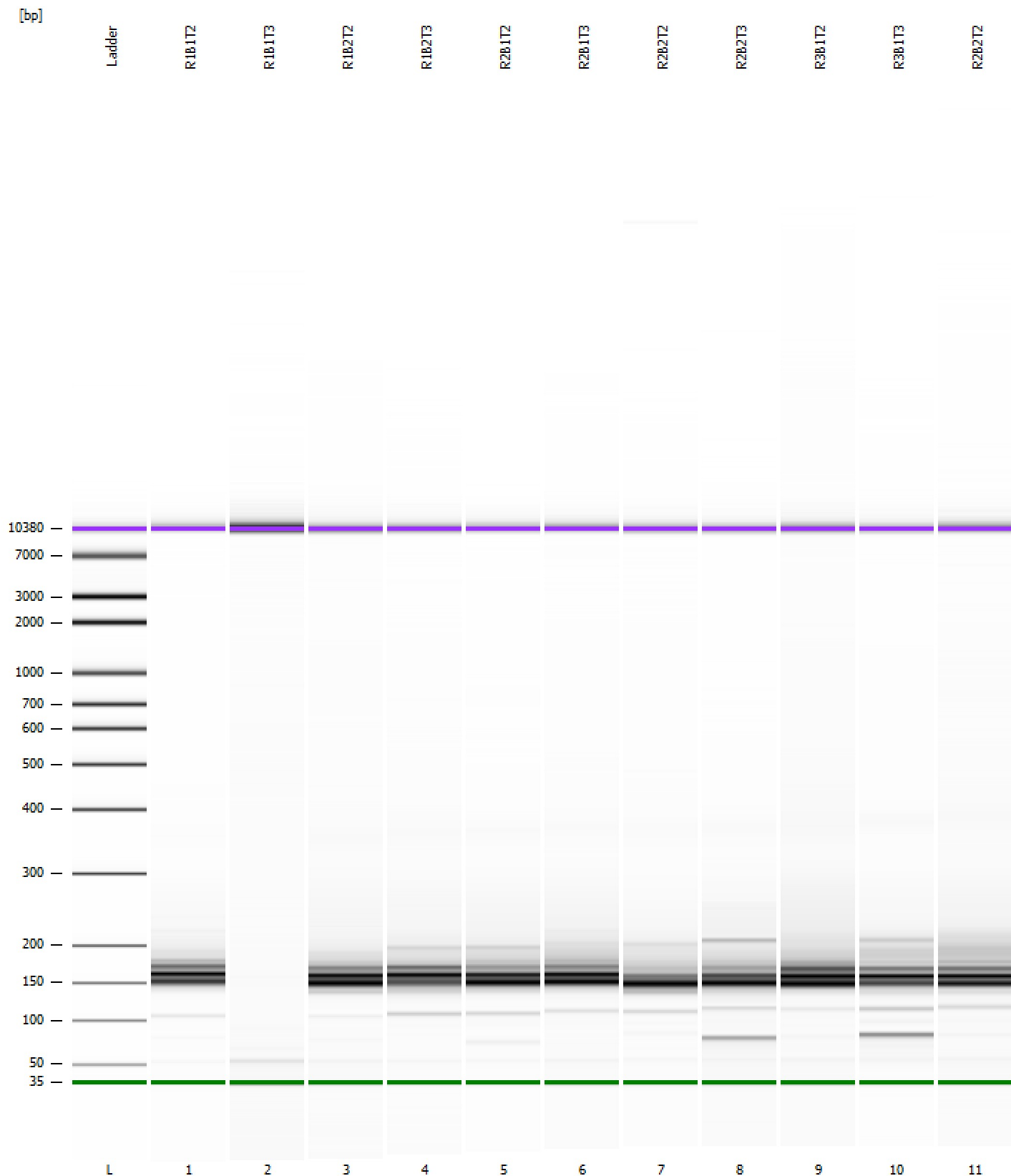
Region table for sample 11 : R2B2T2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
129	281	567.8	89	172	15.8	1,298.79	11,734.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
Modified: 12/1/2023 3:41:14 PM

Gel Image

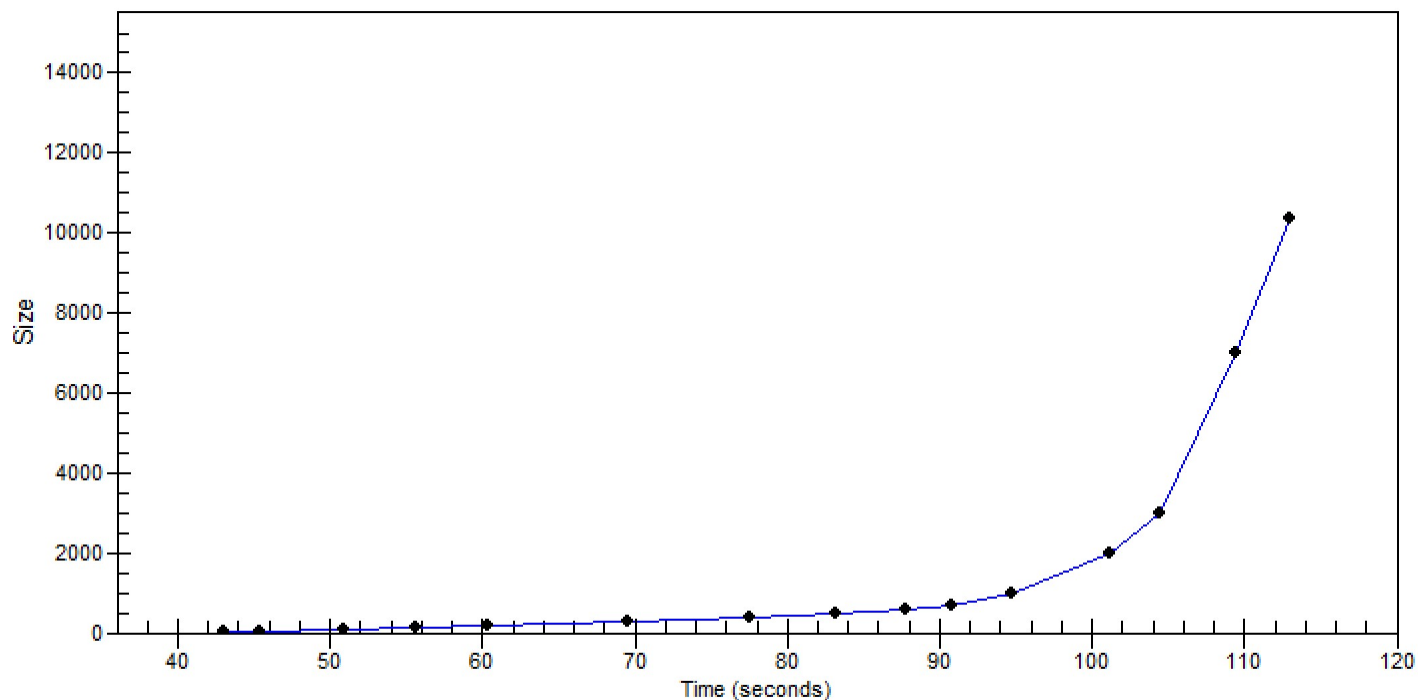


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad

Created: 12/1/2023 2:58:37 PM
Modified: 12/1/2023 3:41:14 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 12/1/2023 2:58:37 PM
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-01_001.xad Modified: 12/1/2023 3:41:14 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 3:39:58 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_001.xad)		Instrument	Run		12/1/2023 2:58:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/1/2023 2:58:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/1/2023 2:58:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/1/2023 2:58:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/1/2023 2:58:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/1/2023 2:58:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/1/2023 2:58:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB