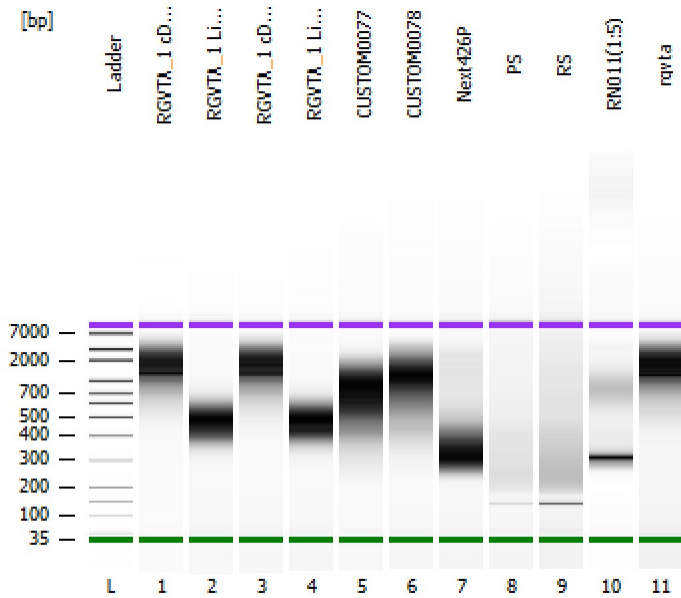


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
Modified: 11/1/2023 10:19:23 AM

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

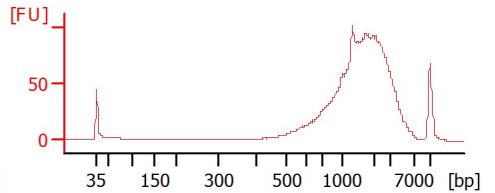
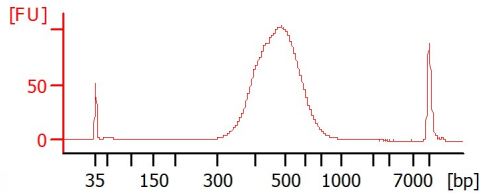
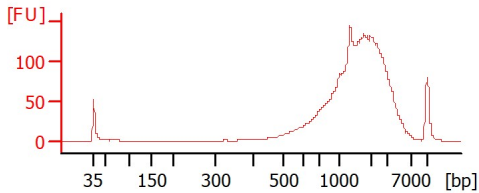
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

RGVTa_1 cDNA

RGVTa_1 Library

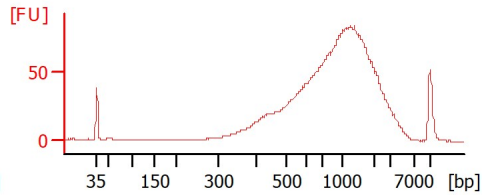
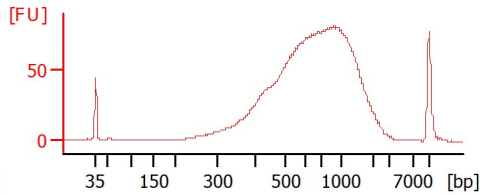
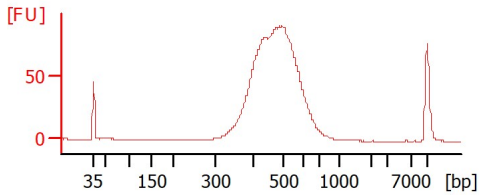
RGVTa_1 cDNA



RGVTa_1 Library

CUSTOM0077

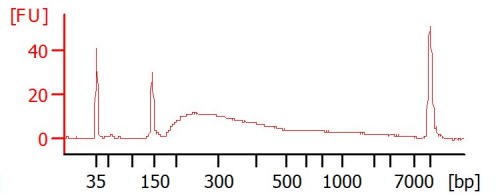
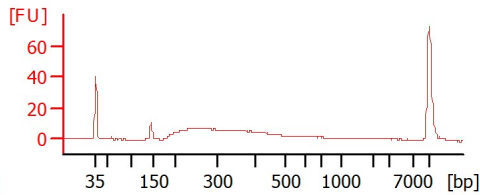
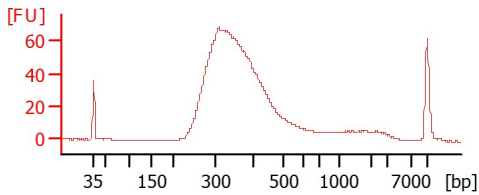
CUSTOM0078



Next426P

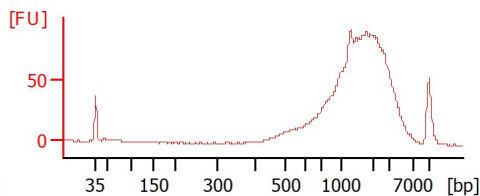
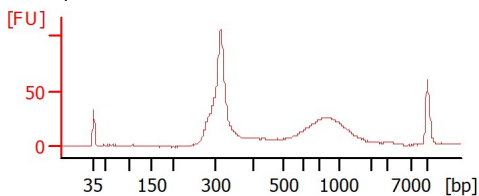
PS

RS



RN011(1:5)

rgvta



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RGVTA_1 cDNA		<input type="checkbox"/>		✓		
RGVTA_1 Library		<input type="checkbox"/>		✓		
RGVTA_1 cDNA		<input type="checkbox"/>		✓		
RGVTA_1 Library		<input type="checkbox"/>		✓		
CUSTOM0077		<input type="checkbox"/>		✓		
CUSTOM0078		<input type="checkbox"/>		✓		
Next426P		<input type="checkbox"/>		✓		
PS	QC1663	<input type="checkbox"/>		✓		
RS		<input type="checkbox"/>		✓		
RN011(1:5)	MiSeq1388	<input type="checkbox"/>		✓		
rgvta		<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_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

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

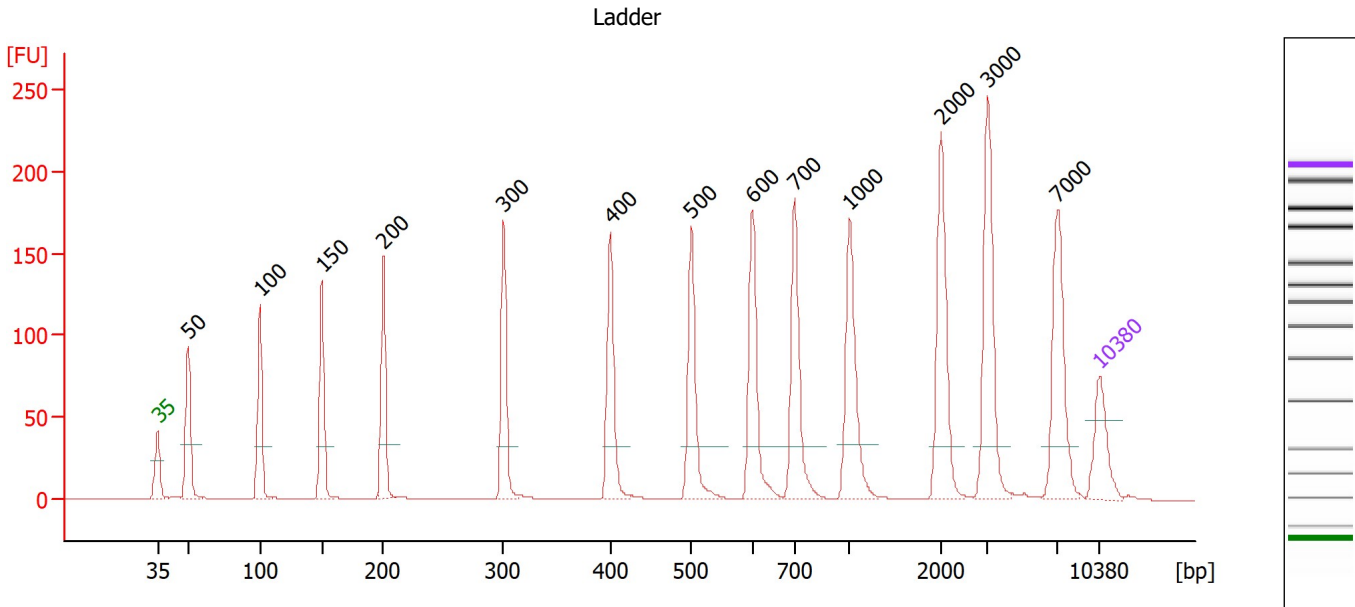
Ladder

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_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

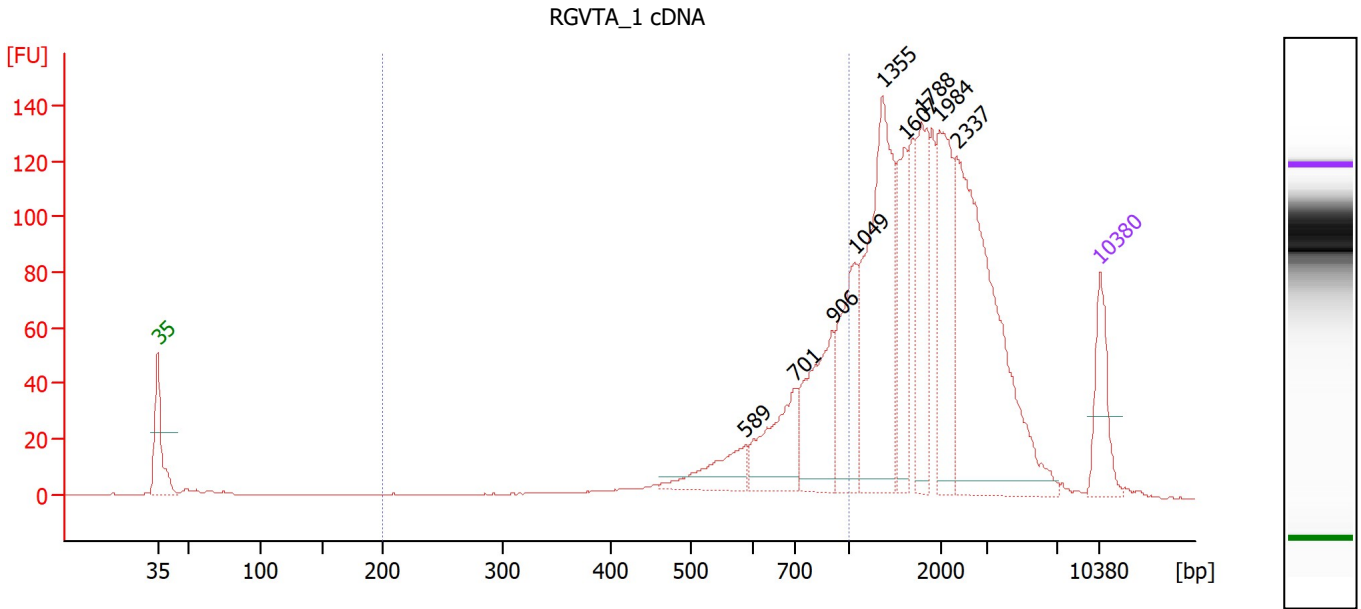
Peak table for Ladder

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_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : RGVT A_1 cDNA

Number of peaks found: 9 Corr. Area 1: 446.5
 Noise: 0.2

Peak table for sample 1 : RGVT A_1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	589	77.38	199.2	
3	701	135.47	292.9	
4	906	160.18	267.9	
5	1,049	152.57	220.4	
6	1,355	350.25	391.5	
7	1,607	113.36	106.9	
8	1,788	132.22	112.1	
9	1,984	172.87	132.0	
10	2,337	444.39	288.1	
11	10,380	75.00	10.9	Upper Marker

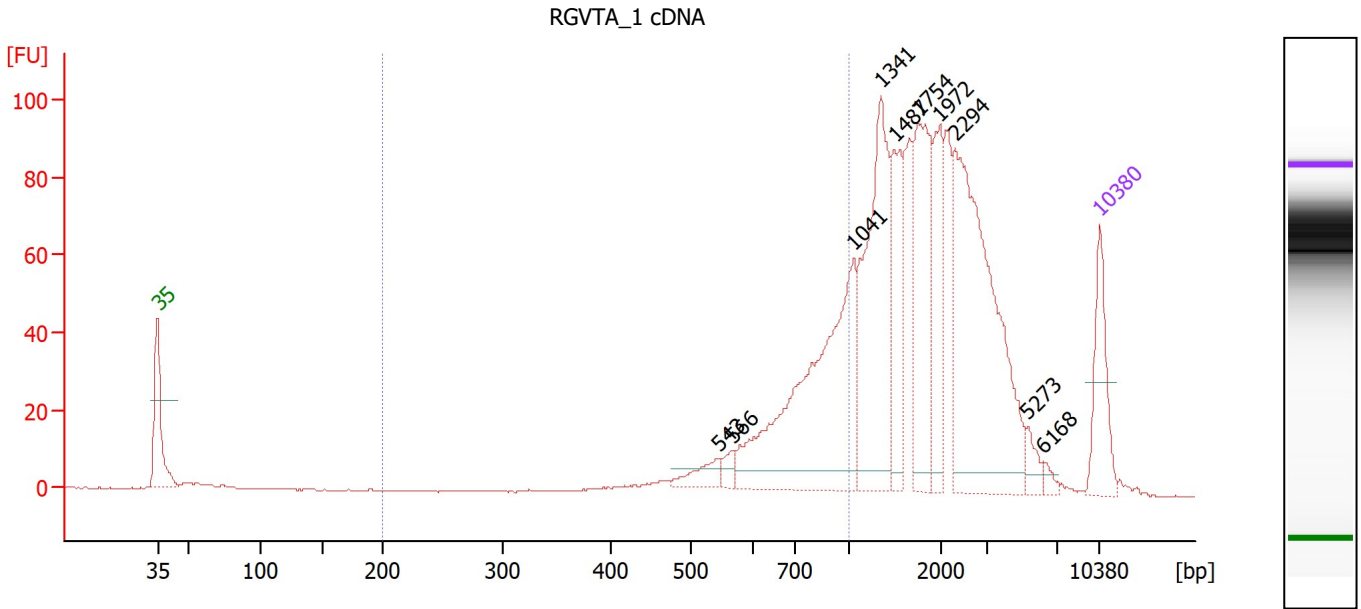
Region table for sample 1 : RGVT A_1 cDNA

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	446.5	24	725	24.4	582.22	1,363.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RGVTA_1 cDNA

Number of peaks found: 10 Corr. Area 1: 297.3
 Noise: 0.1

Peak table for sample 3 : RGVTA_1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	543	31.04	86.6	
3	566	16.25	43.5	
4	1,041	382.25	556.1	
5	1,341	268.47	303.4	
6	1,487	119.74	122.0	
7	1,754	175.96	152.0	
8	1,972	103.01	79.1	
9	2,294	373.00	246.4	
10	5,273	19.66	5.6	
11	6,168	8.79	2.2	
12	10,380	75.00	10.9	Upper Marker

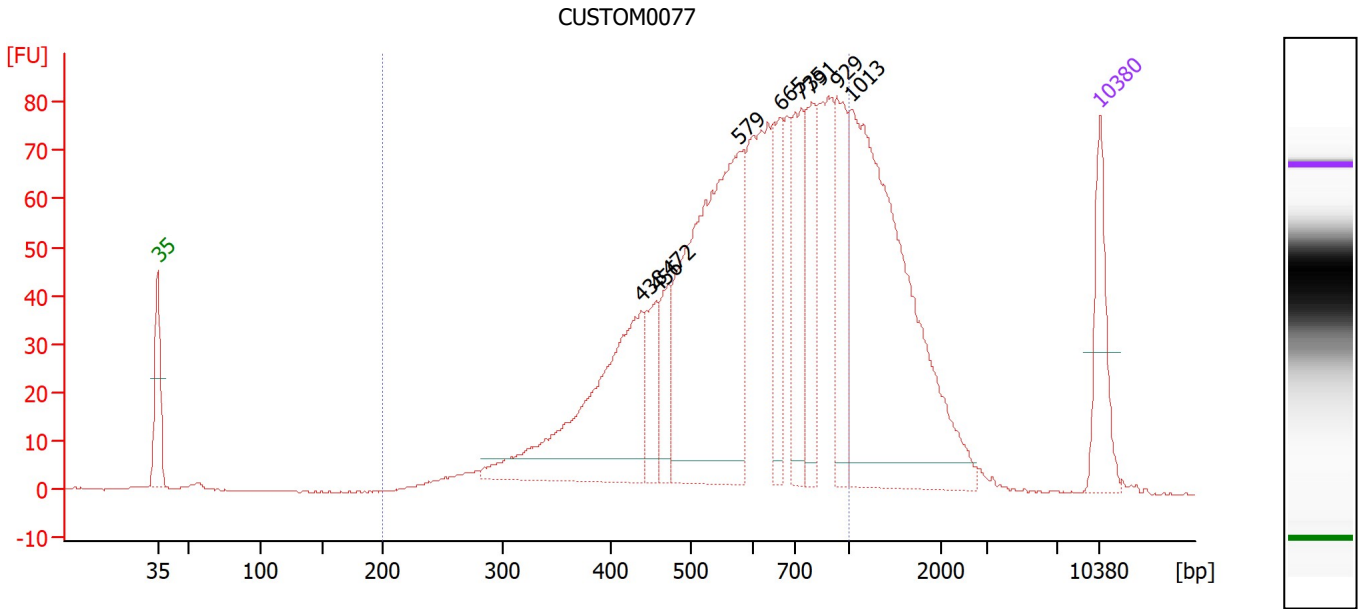
Region table for sample 3 : RGVTA_1 cDNA

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	297.3	23	742	21.9	483.86	1,061.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CUSTOM0077

Number of peaks found: 9 Corr. Area 1: 1,377.7
 Noise: 0.1

Peak table for sample 5 : CUSTOM0077

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	438	339.15	1,173.4	
3	456	68.60	227.8	
4	472	56.43	181.3	
5	579	516.86	1,352.9	
6	665	98.77	224.9	
7	735	120.47	248.2	
8	791	97.93	187.5	
9	929	117.27	191.2	
10	1,013	529.60	792.0	
11	10,380	75.00	10.9	Upper Marker

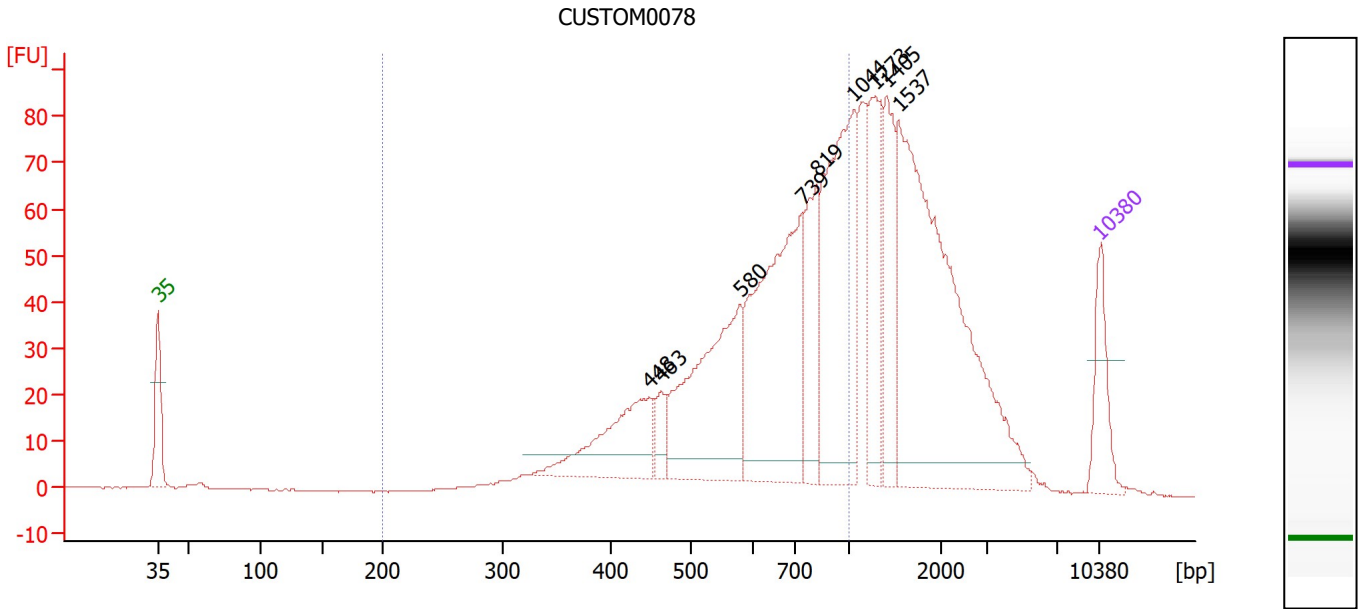
Region table for sample 5 : CUSTOM0077

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	1,377.7	76	608	28.9	2,114.23	5,979.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CUSTOM0078

Number of peaks found: 9 Corr. Area 1: 835.9
 Noise: 0.2

Peak table for sample 6 : CUSTOM0078

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	448	195.28	660.1	
3	463	36.28	118.7	
4	580	339.06	885.9	
5	739	462.04	947.0	
6	819	142.71	264.1	
7	1,044	366.47	531.7	
8	1,273	156.58	186.4	
9	1,405	140.20	151.2	
10	1,537	644.15	635.0	
11	10,380	75.00	10.9	Upper Marker

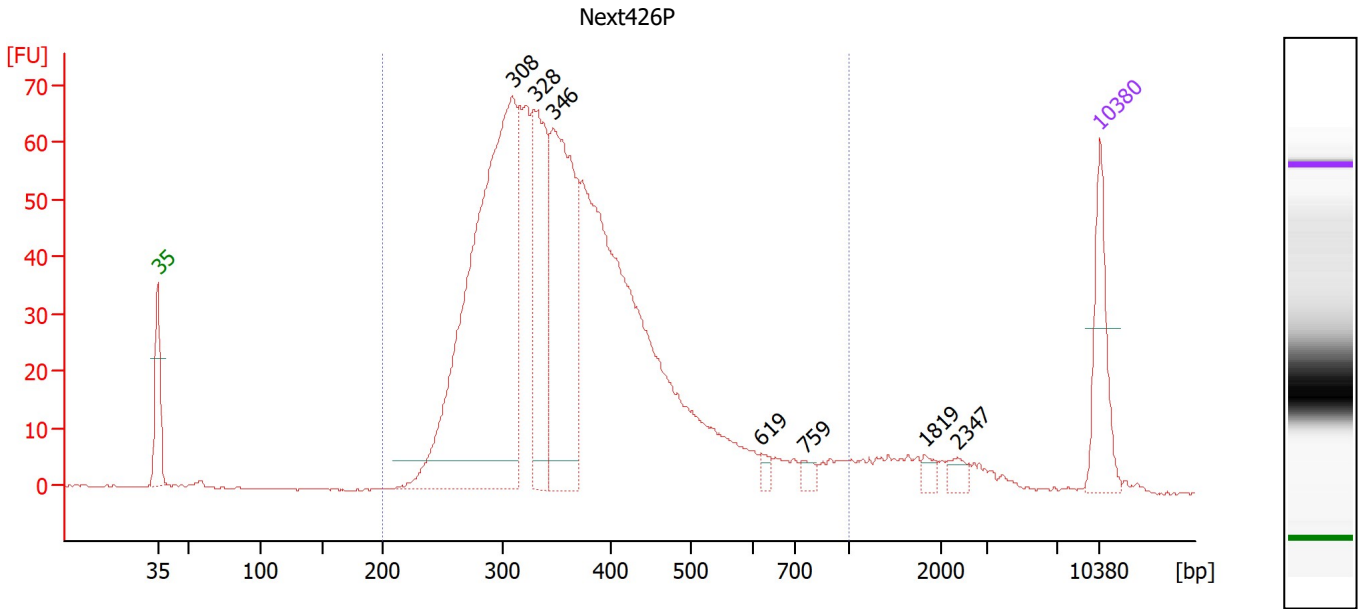
Region table for sample 6 : CUSTOM0078

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	835.9	55	654	27.7	1,718.14	4,468.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Next426P

Number of peaks found: 7 Corr. Area 1: 1,165.1
 Noise: 0.2

Peak table for sample 7 : Next426P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	308	801.13	3,937.6	
3	328	221.18	1,020.8	
4	346	351.34	1,538.5	
5	619	10.32	25.2	
6	759	11.76	23.5	
7	1,819	9.18	7.6	
8	2,347	12.40	8.0	
9	10,380	75.00	10.9	Upper Marker

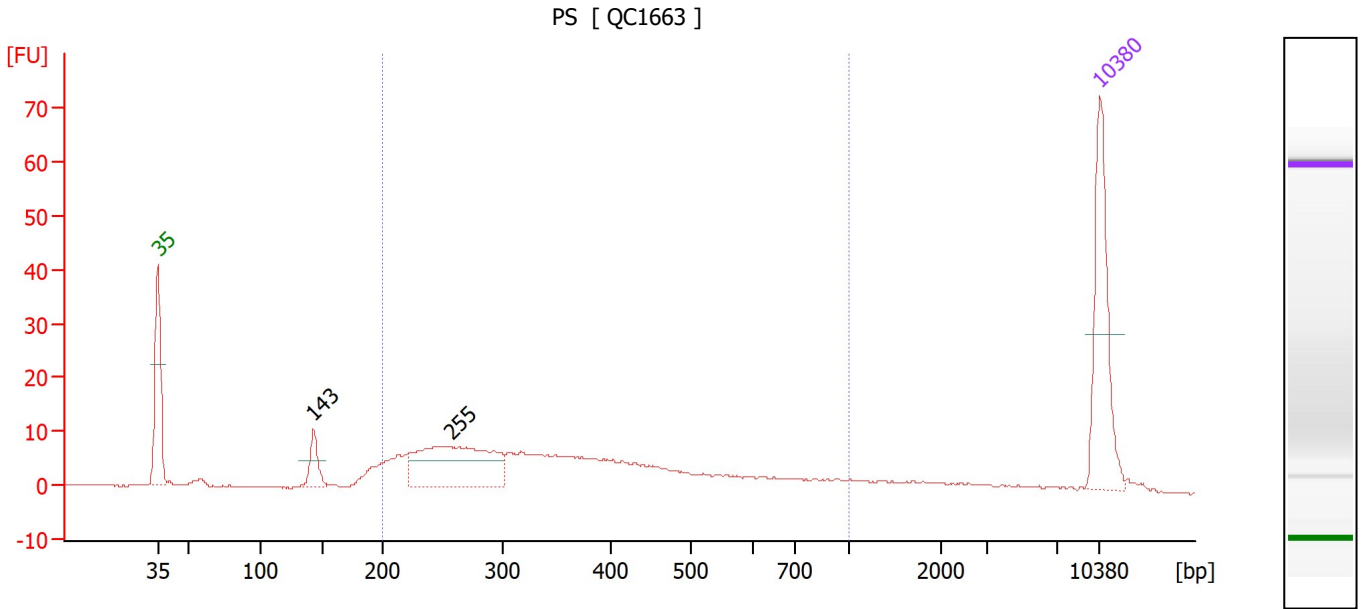
Region table for sample 7 : Next426P

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	1,165.1	94	376	29.6	2,431.74	10,648.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PS

Number of peaks found: 2 Corr. Area 1: 216.1
 Noise: 0.1

Peak table for sample 8 : PS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	143	26.18	277.6	
3	255	125.53	744.9	
4	10,380	75.00	10.9	Upper Marker

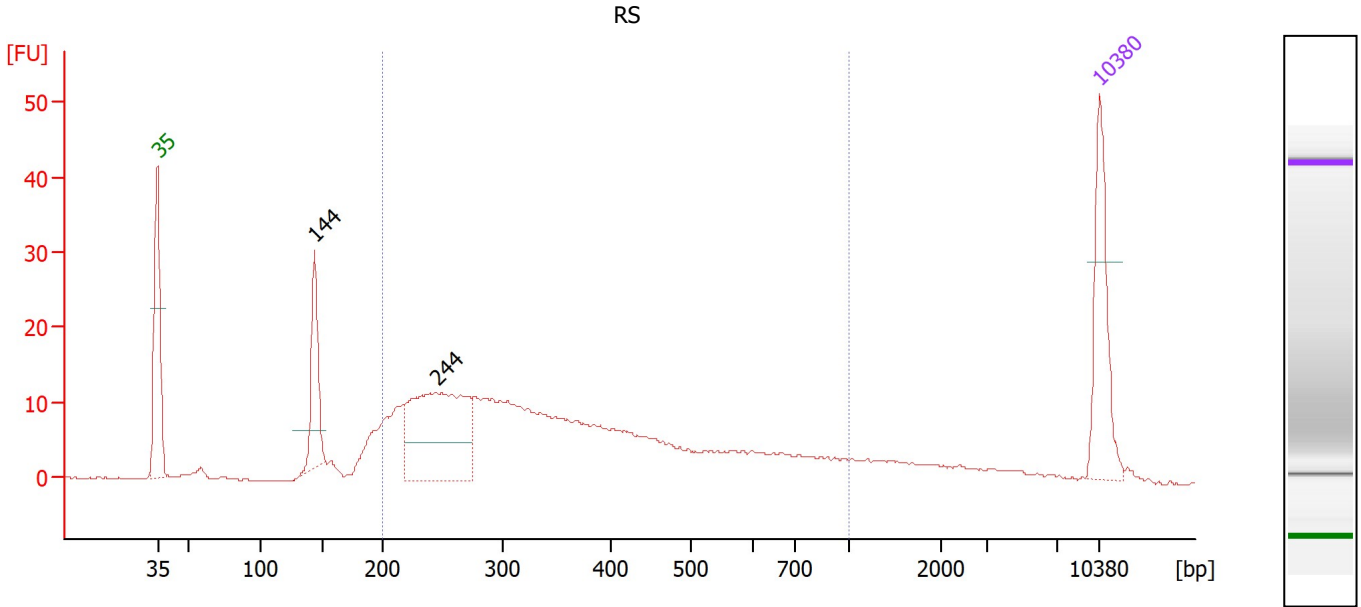
Region table for sample 8 : PS

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	216.1	77	384	41.6	356.92	1,688.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : RS

Number of peaks found: 2 Corr. Area 1: 323.3
 Noise: 0.1

Peak table for sample 9 : RS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	144	92.66	974.8	
3	244	231.52	1,438.0	
4	10,380	75.00	10.9	Upper Marker

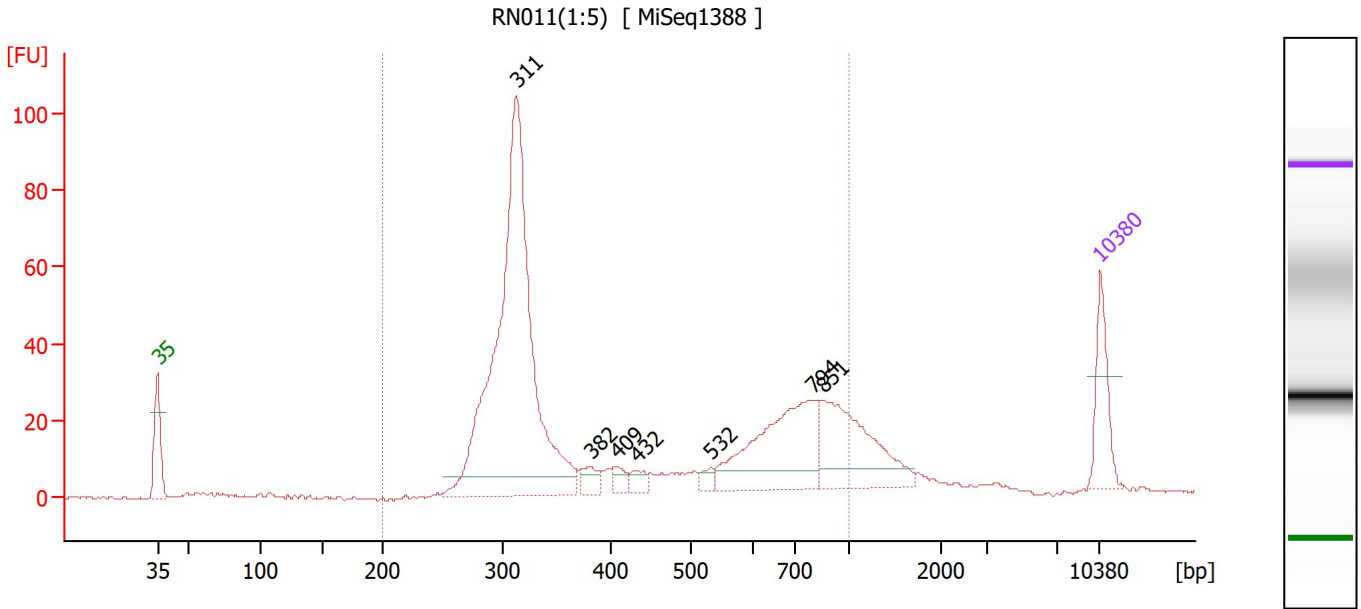
Region table for sample 9 : RS

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	323.3	73	387	43.2	835.16	3,977.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : RN011(1:5)

Number of peaks found: 7 Corr. Area 1: 669.2
 Noise: 0.3

Peak table for sample 10 : RN011(1:5)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	311	1,014.39	4,934.7	
3	382	30.47	120.9	
4	409	20.26	75.1	
5	432	21.35	74.9	
6	532	15.28	43.6	
7	794	257.69	491.7	
8	851	209.82	373.7	
9	10,380	75.00	10.9	Upper Marker

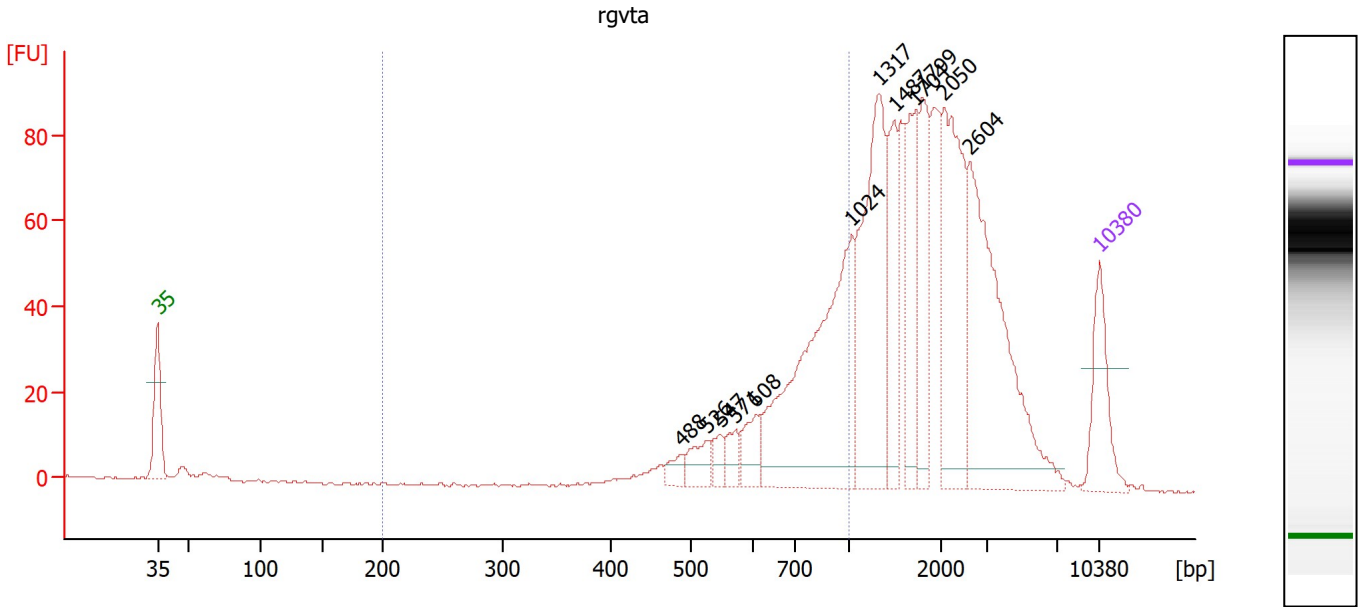
Region table for sample 10 : RN011(1:5)

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	669.2	83	471	44.9	1,630.68	6,572.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : rgvta

Number of peaks found: 12 Corr. Area 1: 299.3
 Noise: 0.2

Peak table for sample 11 : rgvta

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	488	19.52	60.6	
3	526	34.81	100.3	
4	547	20.24	56.0	
5	571	25.76	68.3	
6	608	41.11	102.5	
7	1,024	372.48	551.2	
8	1,317	264.47	304.3	
9	1,487	100.02	101.9	
10	1,704	99.27	88.3	
11	1,799	115.47	97.3	
12	2,050	207.35	153.2	
13	2,604	293.66	170.8	
14	10,380	75.00	10.9	Upper Marker

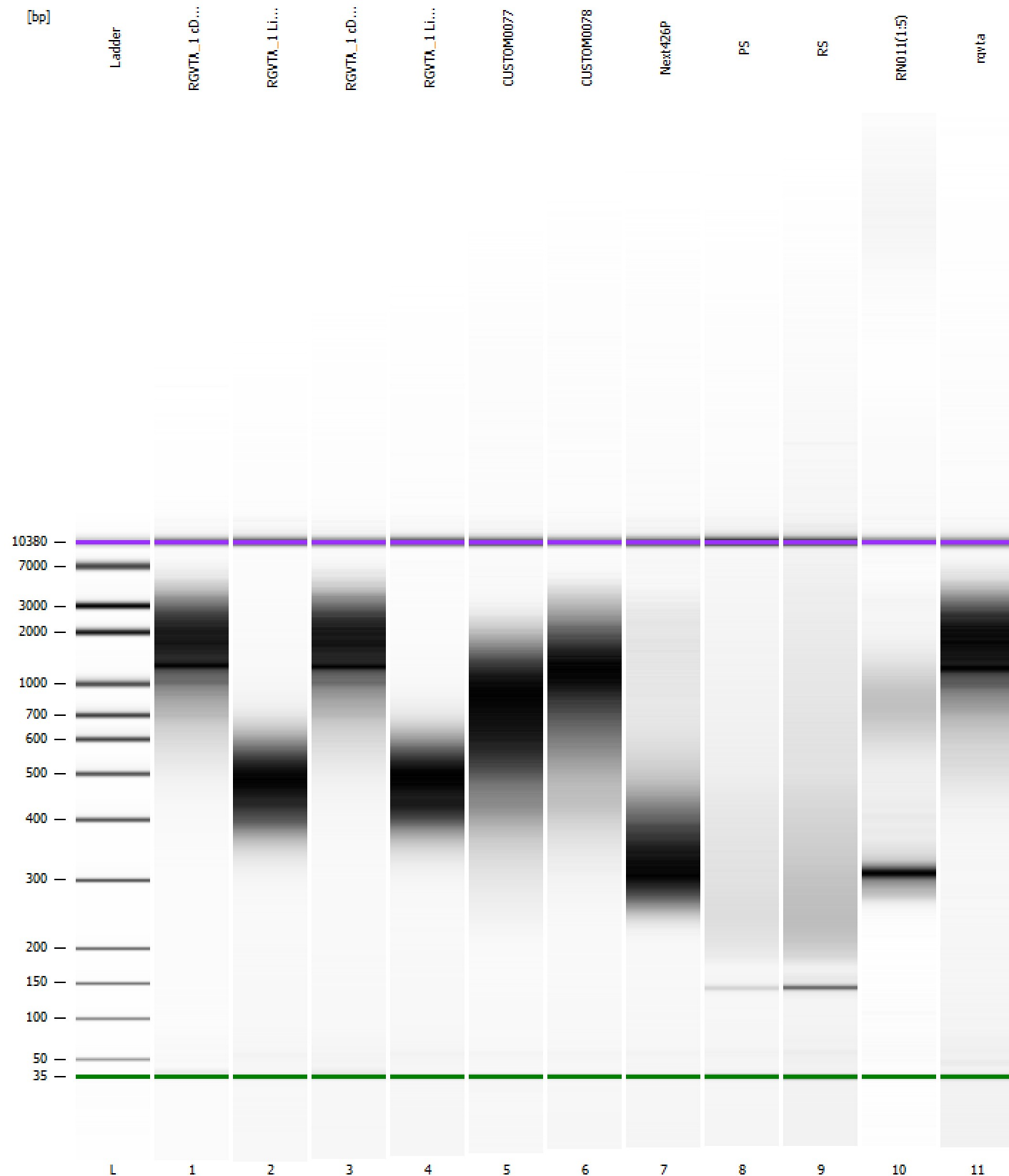
Region table for sample 11 : rgvta

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	299.3	25	737	21.7	518.59	1,137.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
Modified: 11/1/2023 10:19:23 AM

Gel Image

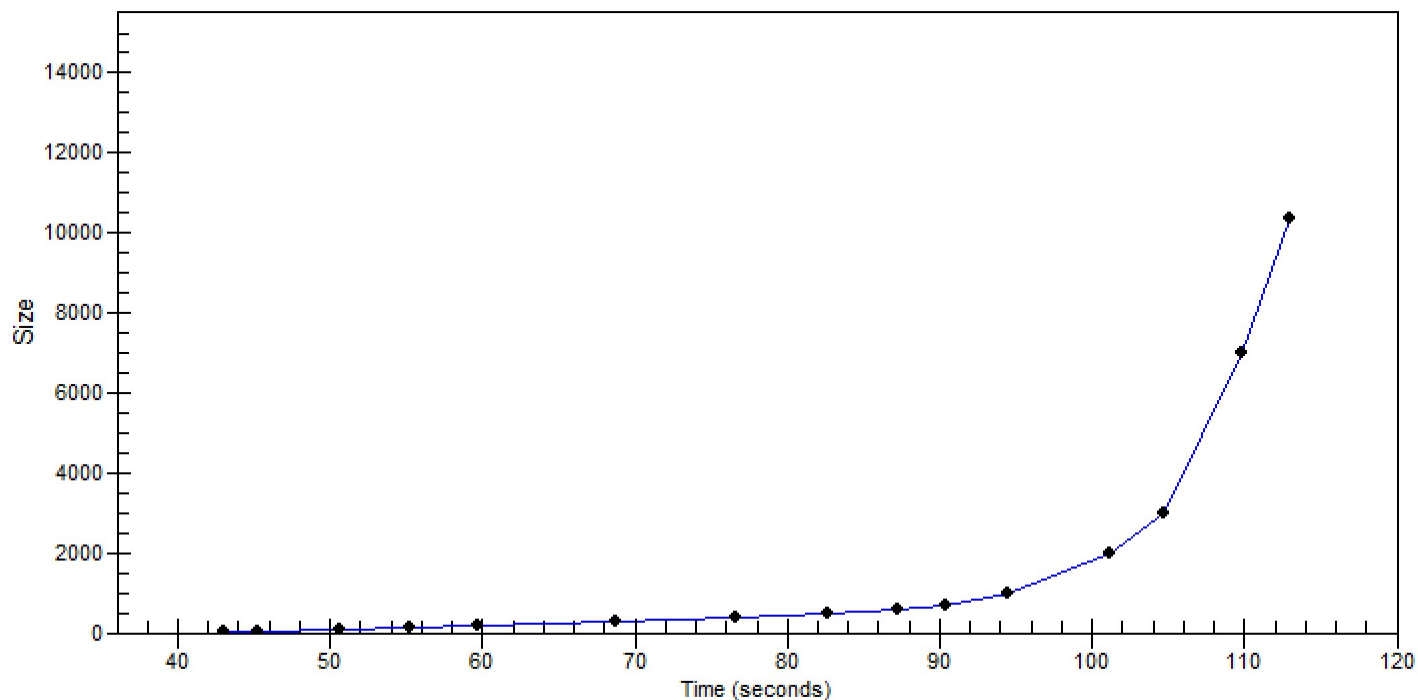


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
Modified: 11/1/2023 10:19:23 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad

Created: 11/1/2023 9:27:15 AM
 Modified: 11/1/2023 10:19:23 AM

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		11/1/2023 10:08:35 AM	(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\2023-11-01\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-11-01_001.xad)		Instrument	Run		11/1/2023 9:27:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/1/2023 9:27:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/1/2023 9:27:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/1/2023 9:27:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/1/2023 9:27:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/1/2023 9:27:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/1/2023 9:27:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB