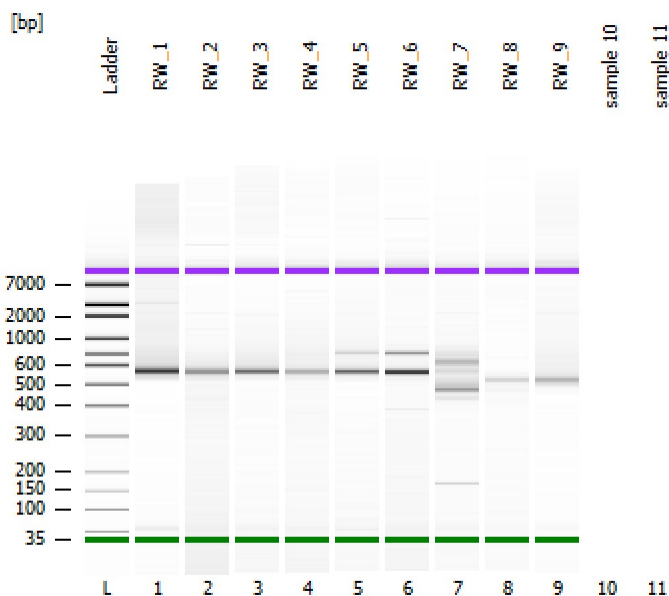


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
Modified: 10/3/2018 11:47:18 AM

Electrophoresis File Run Summary



Instrument Information:

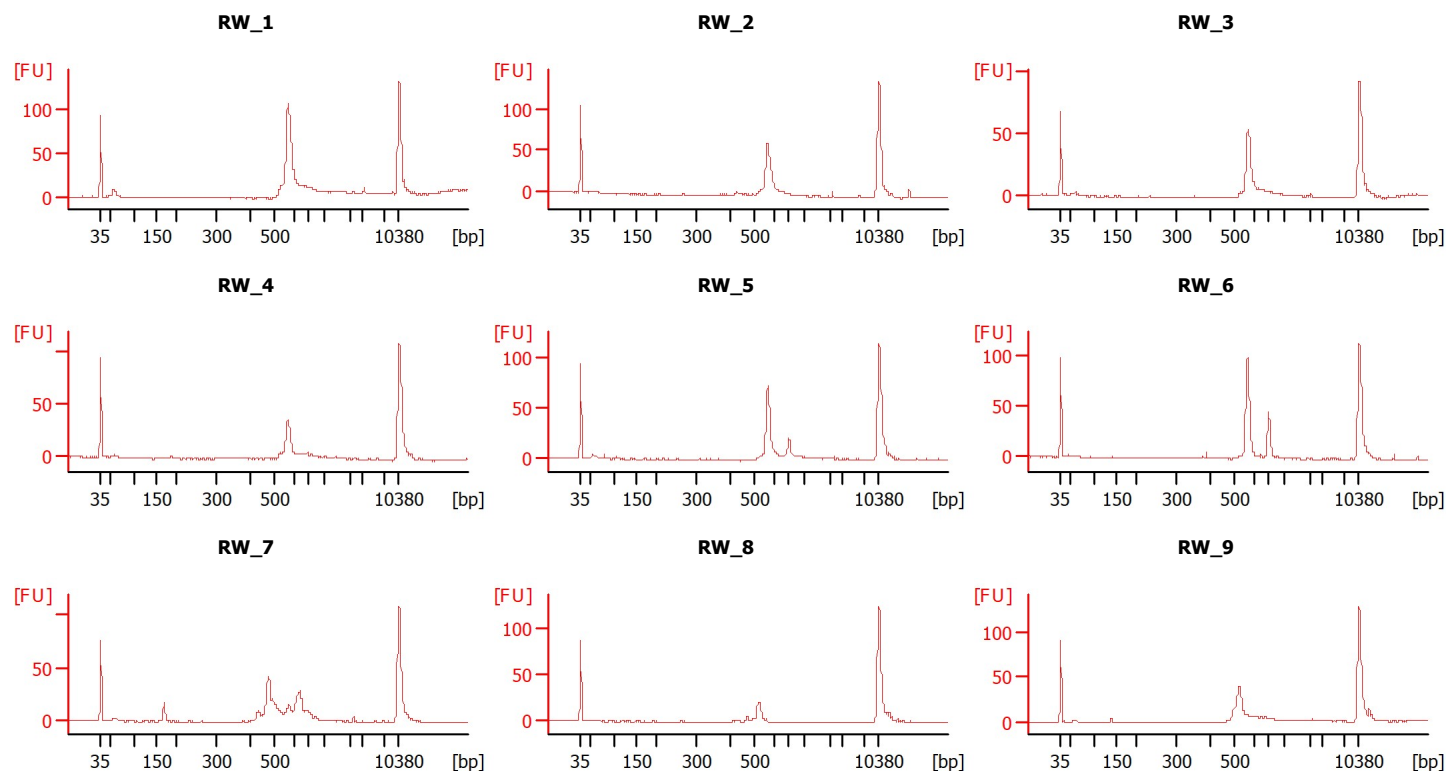
Instrument Name: DE34903137 Firmware: C.01.069
Serial#: DE34903137 Type: G2938C

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:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
Modified: 10/3/2018 11:47:18 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RW_1		<input type="checkbox"/>	✓			
RW_2		<input type="checkbox"/>	✓			
RW_3		<input type="checkbox"/>	✓			
RW_4		<input type="checkbox"/>	✓			
RW_5		<input type="checkbox"/>	✓			
RW_6		<input type="checkbox"/>	✓			
RW_7		<input type="checkbox"/>	✓			
RW_8		<input type="checkbox"/>	✓			
RW_9		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
Modified: 10/3/2018 11:47:18 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

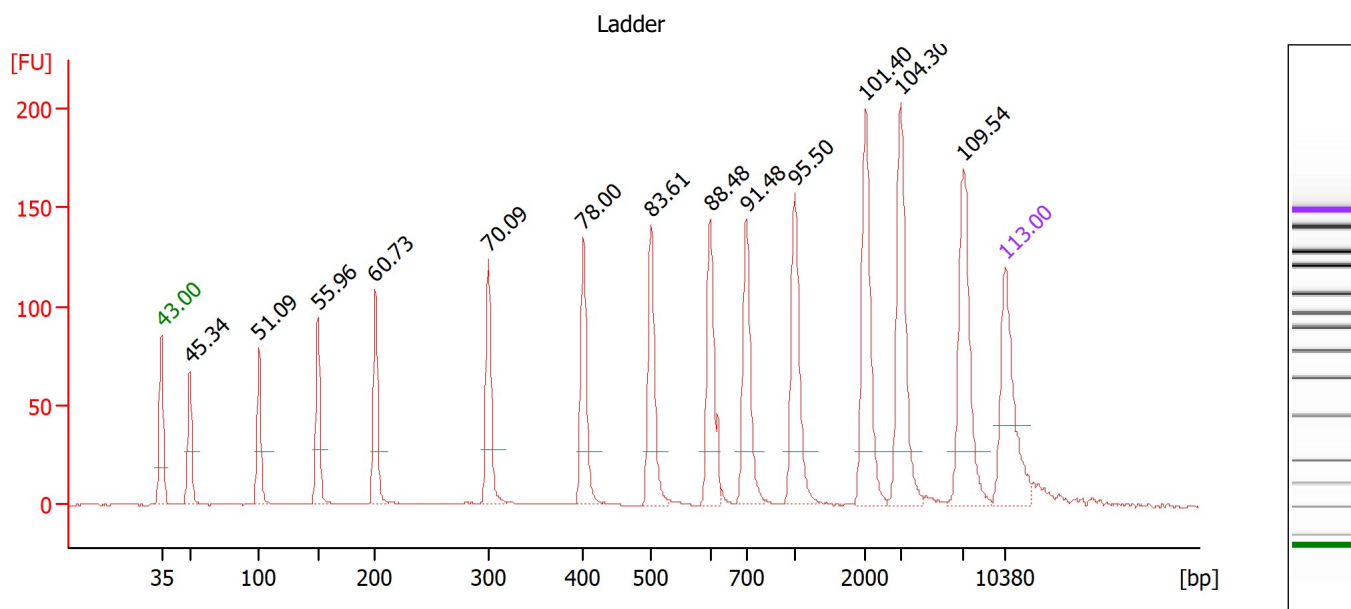
Ladder

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:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

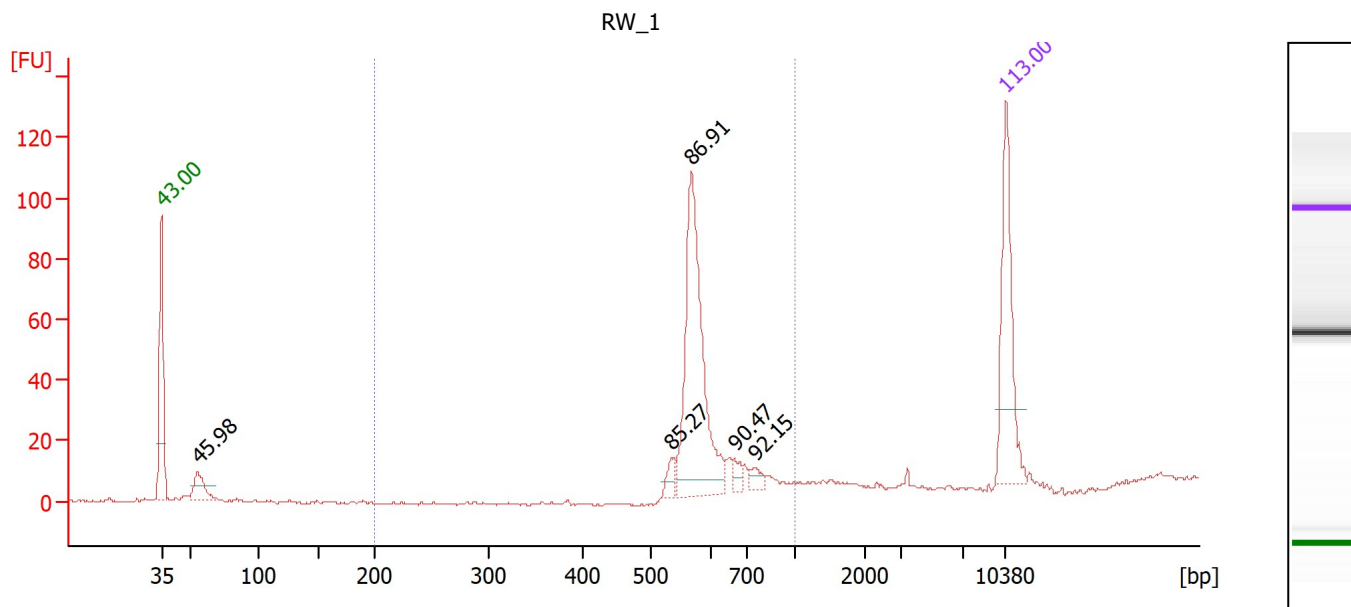
Peak table for Ladder

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:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : RW_1

Number of peaks found: 5 Corr. Area 1: 255.7
 Noise: 0.3

Peak table for sample 1 : RW_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	32.87	895.6	
3	534	11.60	32.9	
4	568	191.86	512.1	
5	666	7.98	18.1	
6	751	8.57	17.3	
7	10,380	75.00	10.9	Upper Marker

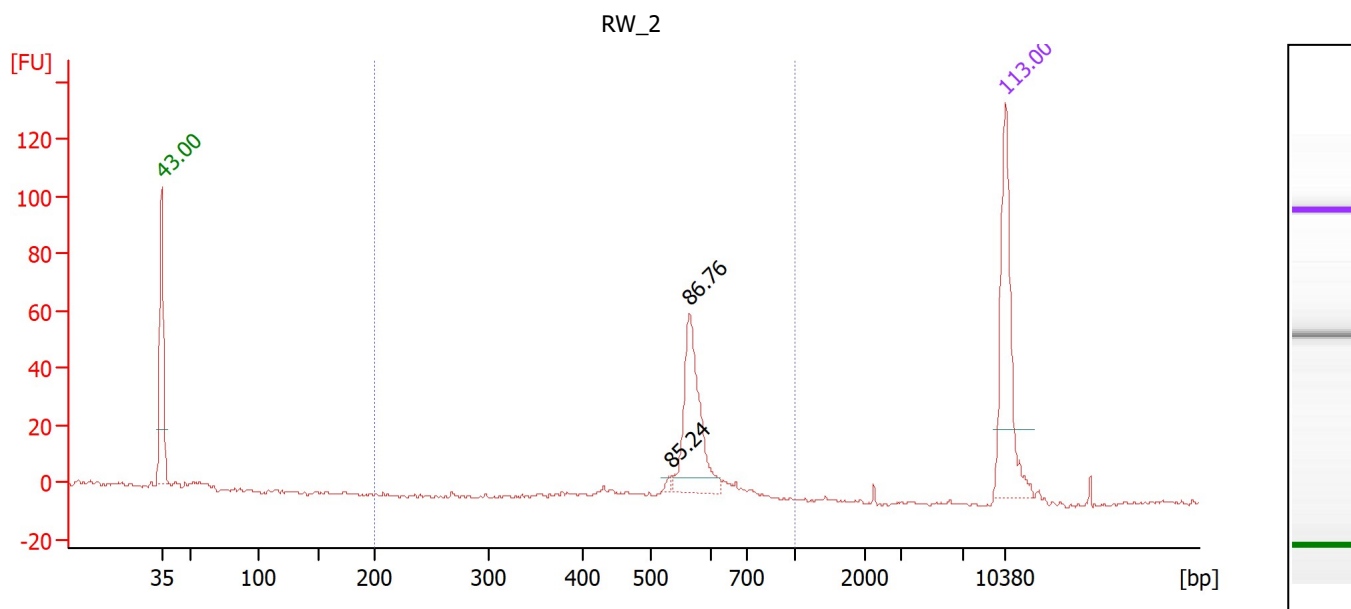
Region table for sample 1 : RW_1

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	255.7	78	604	12.9	234.89	597.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RW_2

Number of peaks found: 2 Corr. Area 1: 130.2
 Noise: 0.6

Peak table for sample 2 : RW_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	533	2.95	8.4	
3	565	90.70	243.4	
4	10,380	75.00	10.9	Upper Marker

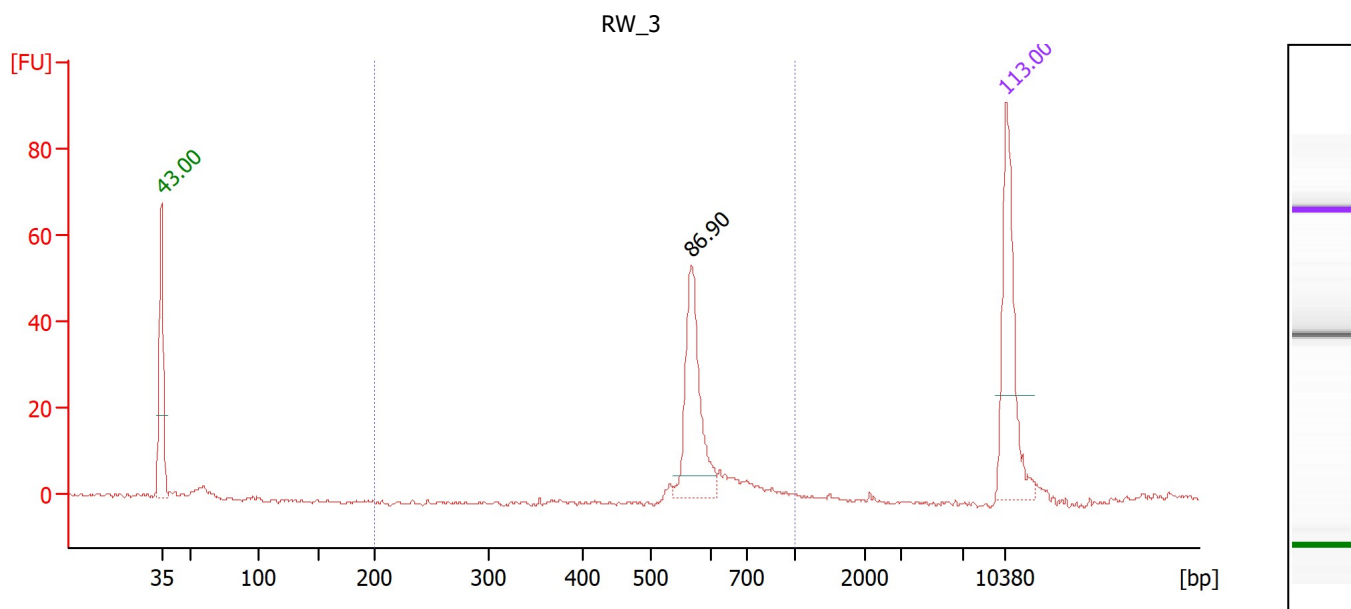
Region table for sample 2 : RW_2

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	130.2	91	576	6.1	102.71	271.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RW_3

Number of peaks found: 1 Corr. Area 1: 111.6
 Noise: 0.5

Peak table for sample 3 : RW_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	568	96.21	256.9	
3	10,380	75.00	10.9	Upper Marker

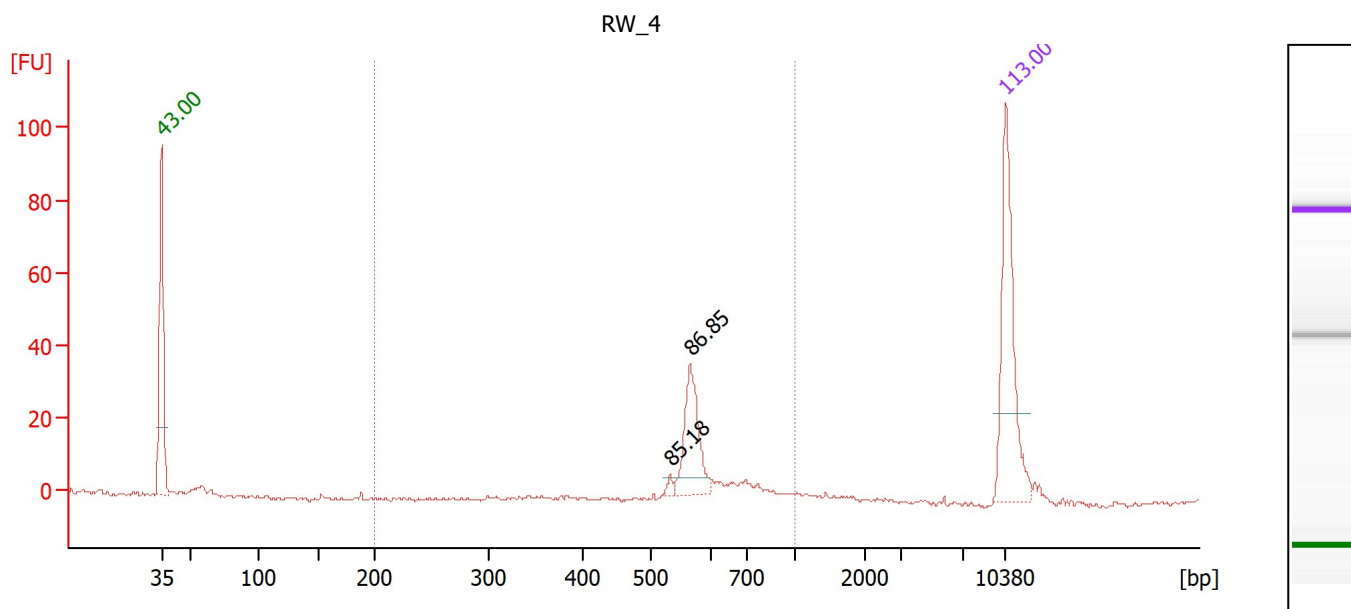
Region table for sample 3 : RW_3

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	111.6	87	600	12.0	118.87	303.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : RW_4

Number of peaks found: 2 Corr. Area 1: 95.9
 Noise: 0.6

Peak table for sample 4 : RW_4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	532	3.21	9.1	
3	567	52.27	139.8	
4	10,380	75.00	10.9	Upper Marker

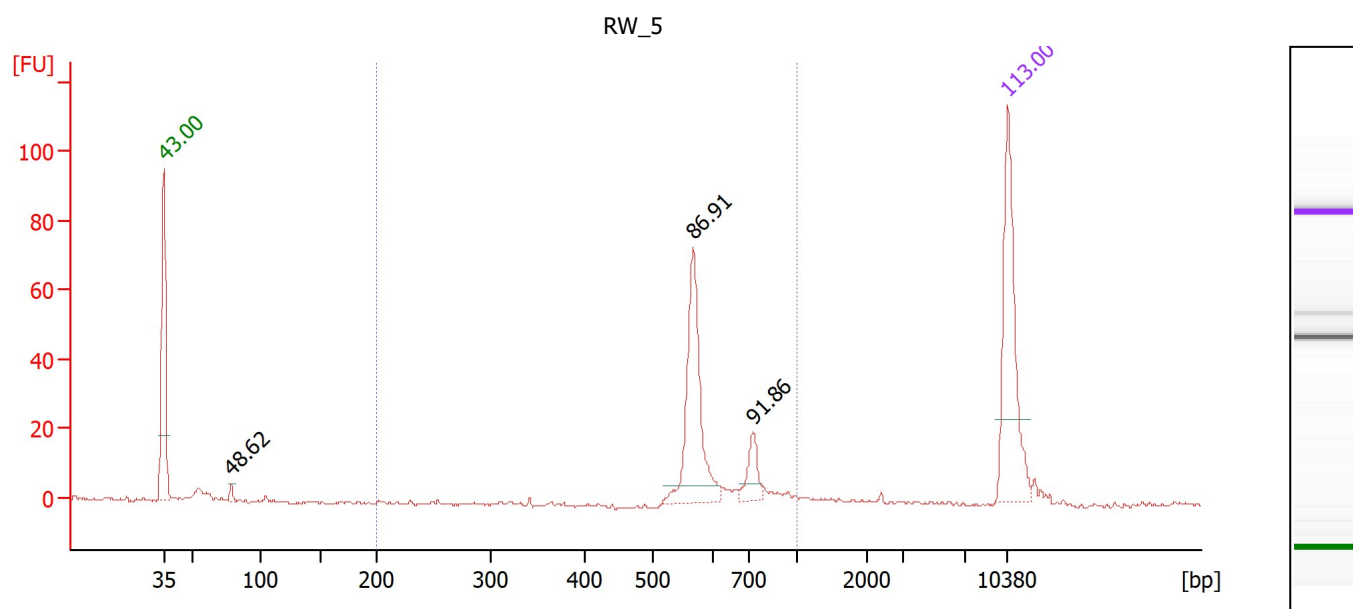
Region table for sample 4 : RW_4

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	95.9	76	611	15.8	85.99	218.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RW_5

Number of peaks found: 3 Corr. Area 1: 153.5
 Noise: 0.4

Peak table for sample 5 : RW_5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	78	3.82	73.8	
3	568	96.43	257.4	
4	729	18.14	37.7	
5	10,380	75.00	10.9	Upper Marker

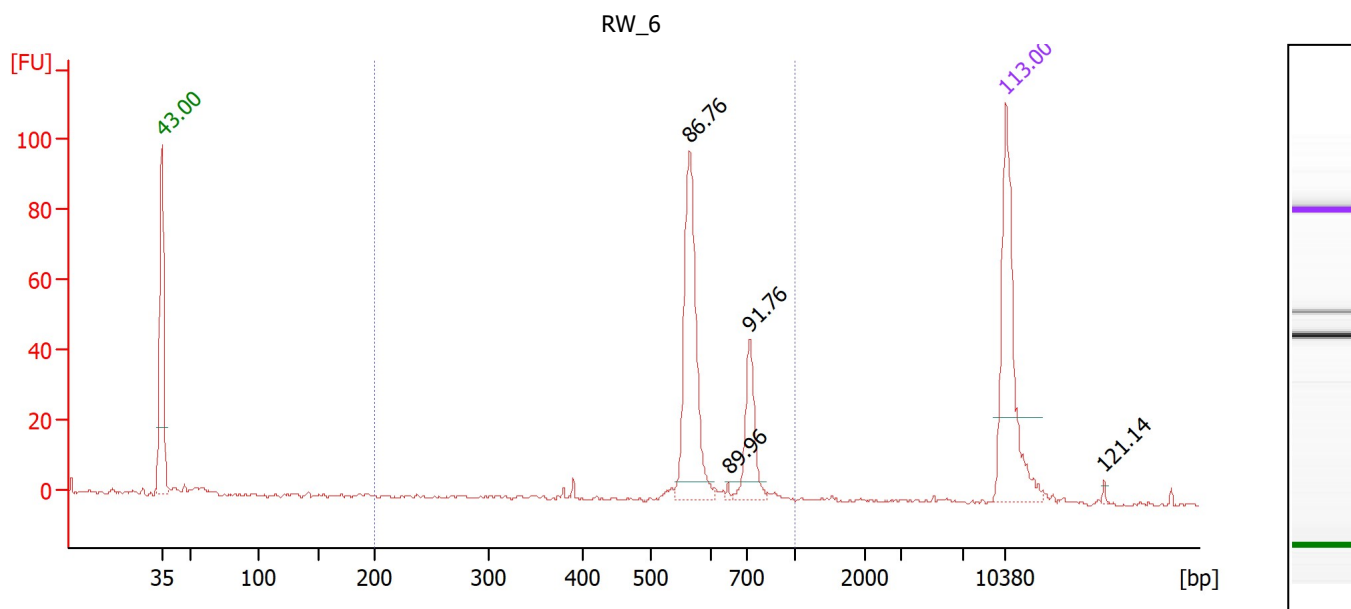
Region table for sample 5 : RW_5

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	153.5	73	619	15.5	132.61	332.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RW_6

Number of peaks found: 4 Corr. Area 1: 196.1
 Noise: 0.3

Peak table for sample 6 : RW_6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	565	115.31	309.4	
3	649	1.76	4.1	
4	721	39.83	83.7	
5	10,380	75.00	10.9	Upper Marker
6	18,330	0.00	0.0	

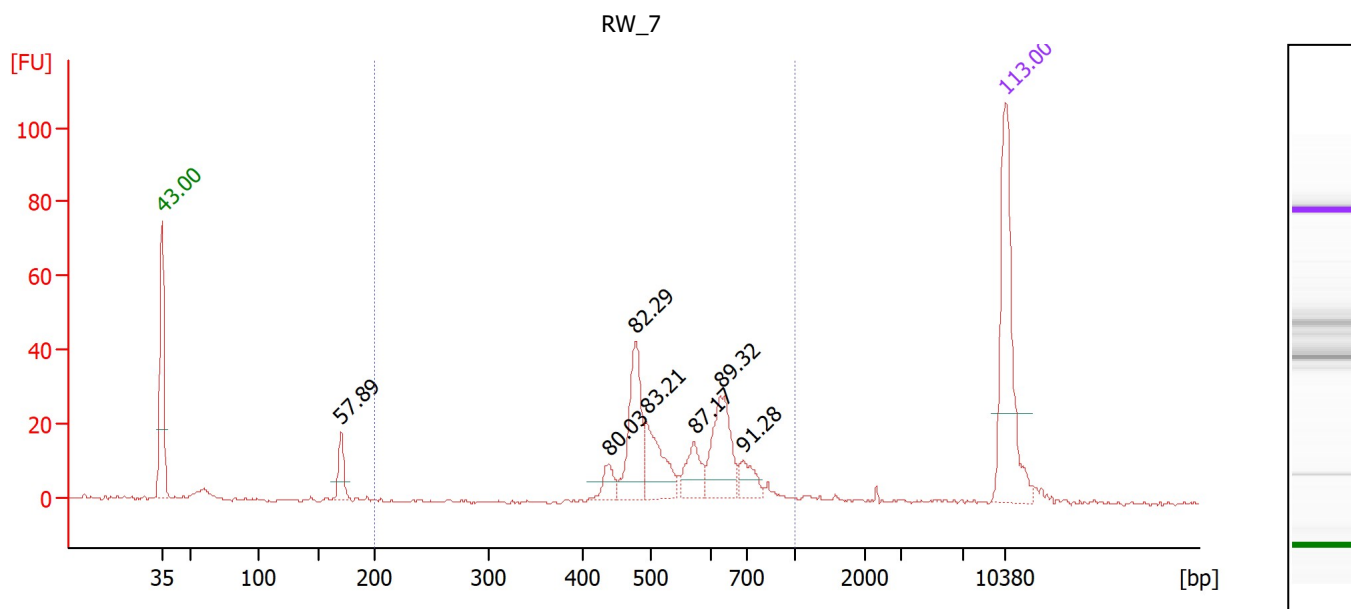
Region table for sample 6 : RW_6

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	196.1	89	609	13.7	164.87	419.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RW_7

Number of peaks found: 7 Corr. Area 1: 249.9
 Noise: 0.4

Peak table for sample 7 : RW_7

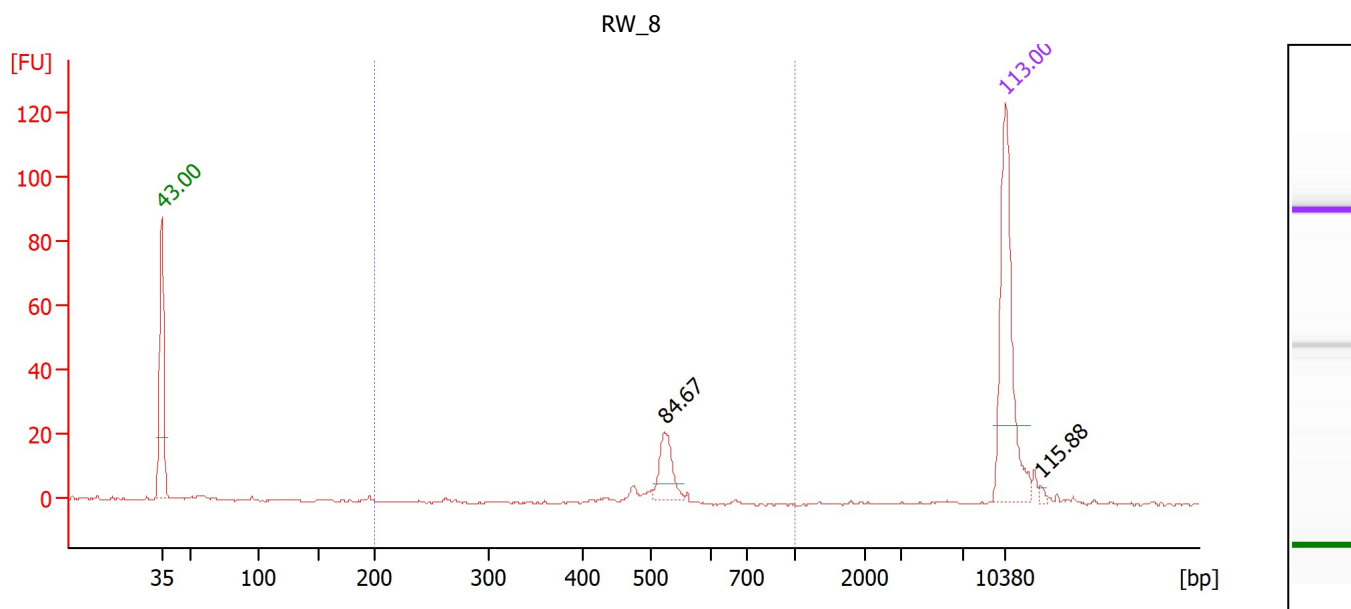
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	170	22.34	198.8	
3	436	13.60	47.2	
4	476	62.53	198.9	
5	493	42.54	130.8	
6	573	23.23	61.4	
7	628	50.53	121.9	
8	693	15.64	34.2	
9	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : RW_7

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	249.9	80	566	18.3	231.44	645.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RW_8**

Number of peaks found: 2 Corr. Area 1: 48.9
 Noise: 0.3

Peak table for sample 8 : RW_8

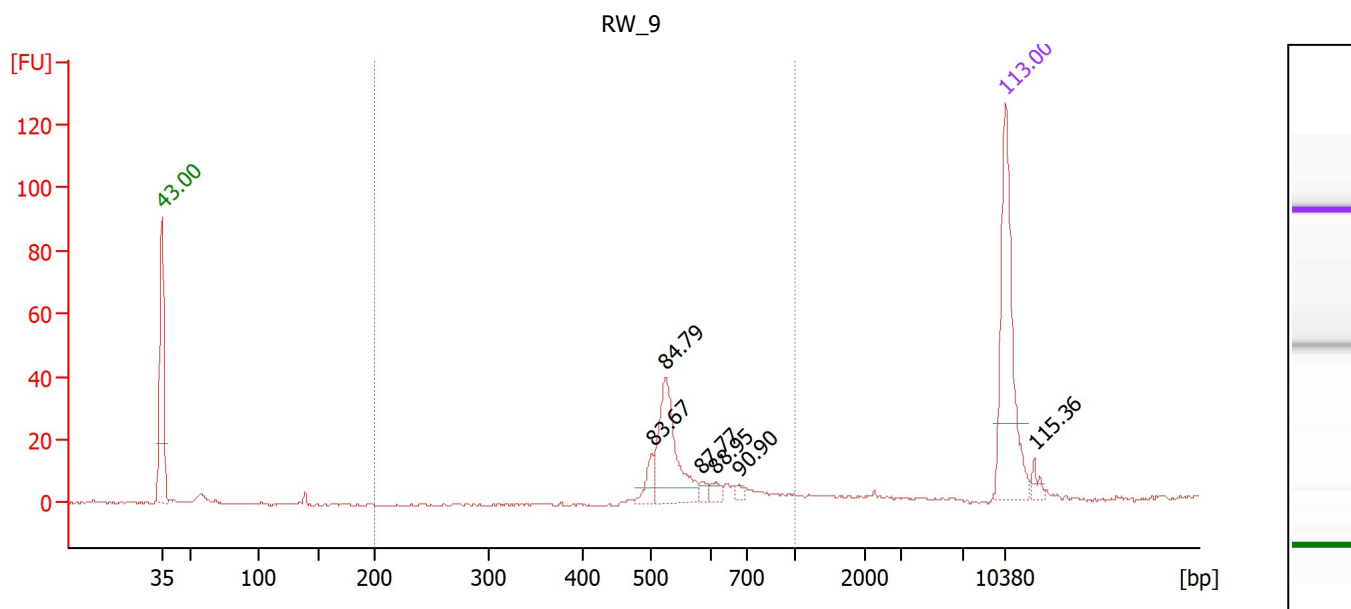
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	522	26.28	76.3	
3	10,380	75.00	10.9	Upper Marker
4	13,196	0.00	0.0	

Region table for sample 8 : RW_8

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	48.9	60	512	8.3	40.59	121.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RW_9**

Number of peaks found: 6 Corr. Area 1: 144.9
 Noise: 0.2

Peak table for sample 9 : RW_9

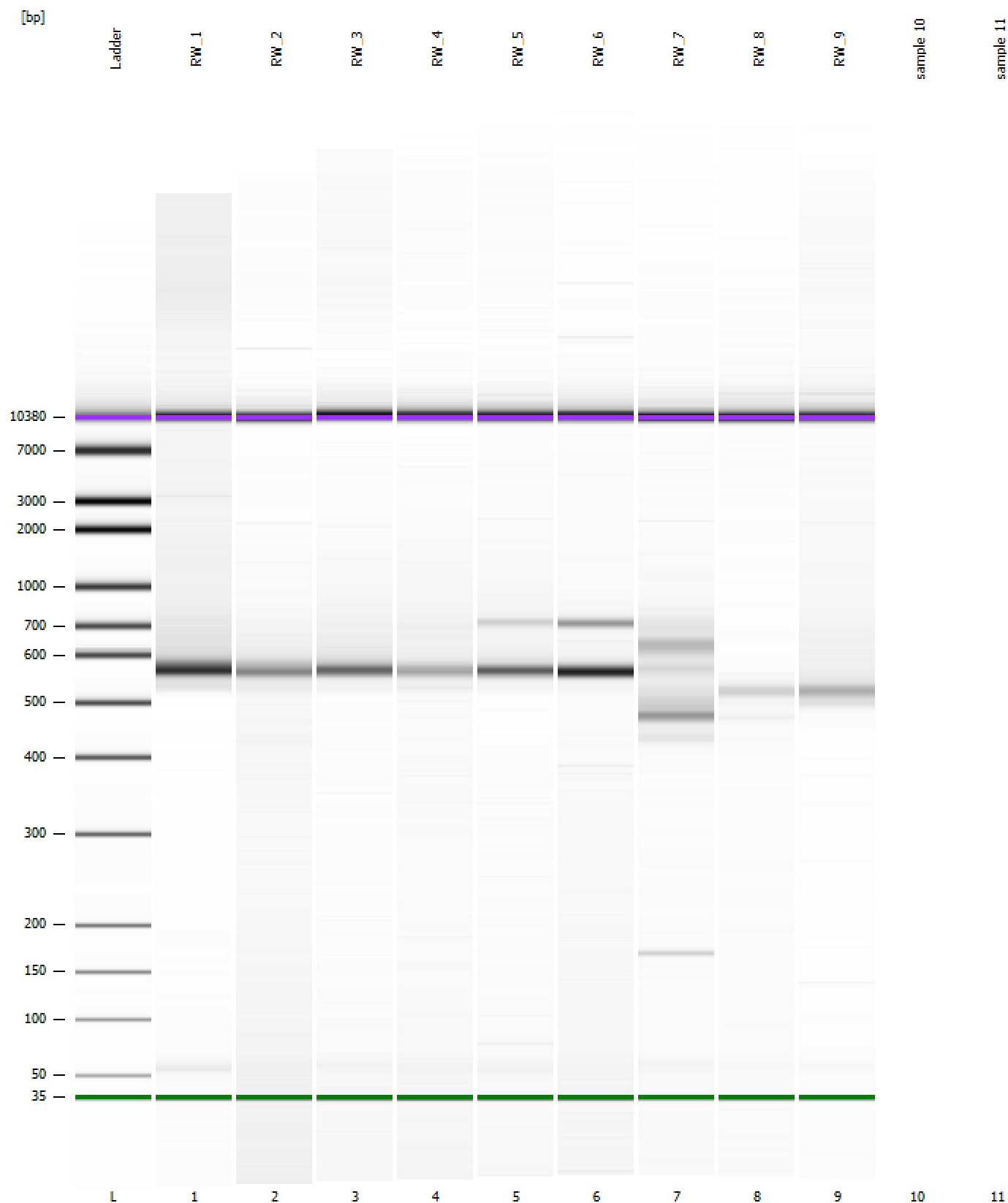
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	501	12.56	38.0	
3	524	69.20	200.0	
4	585	4.28	11.1	
5	616	5.63	13.9	
6	681	3.02	6.7	
7	10,380	75.00	10.9	Upper Marker
8	12,683	0.00	0.0	

Region table for sample 9 : RW_9

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	144.9	60	584	18.6	118.12	316.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
Modified: 10/3/2018 11:47:18 AM

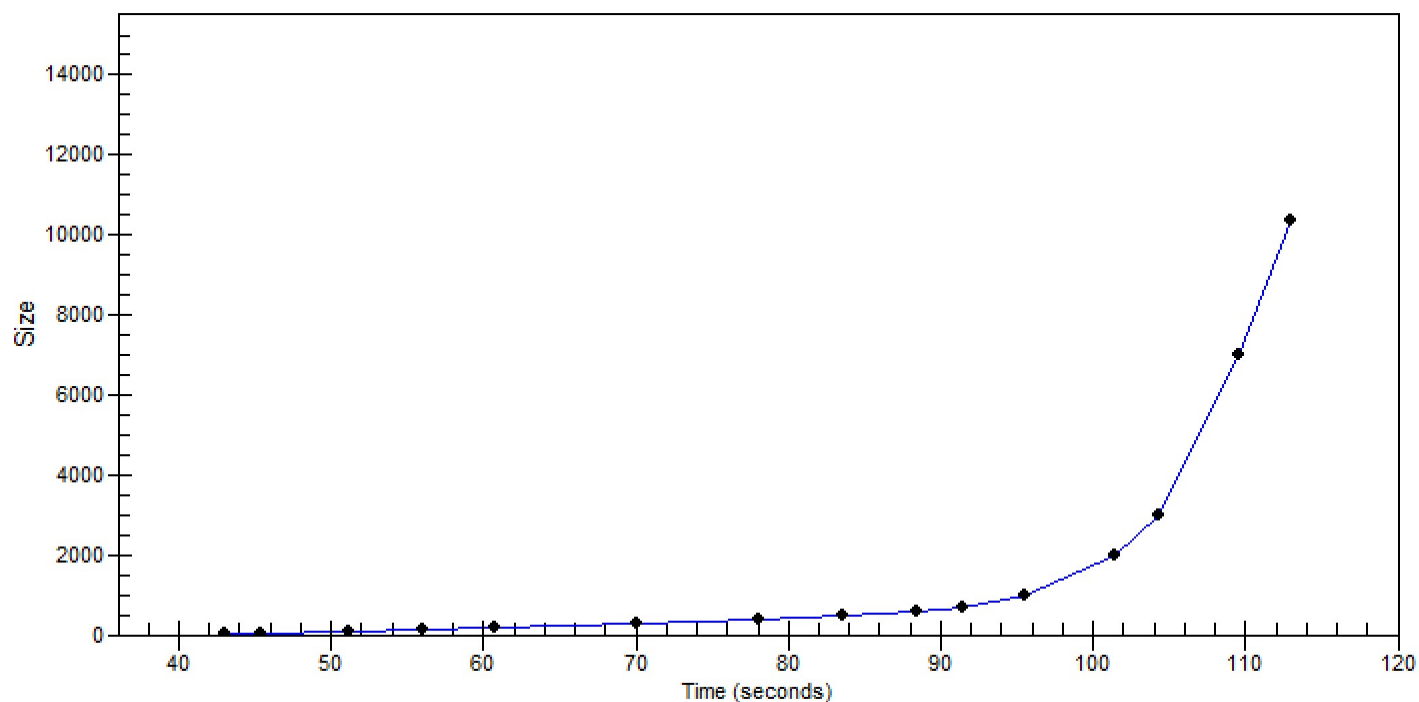
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
Modified: 10/3/2018 11:47:18 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
Modified: 10/3/2018 11:47:18 AM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad

Created: 10/3/2018 11:12:23 AM
 Modified: 10/3/2018 11:47:18 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		10/3/2018 11:47:15 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2018-10-03\2100 expert_High Sensitivity DNA Assay_DE34903137_2018-10-03_11-12-24.xad)		Instrument	Run		10/3/2018 11:12:29 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS
Product Number : G2938C		Instrument	Run		10/3/2018 11:12:29 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS
Name :		Instrument	Run		10/3/2018 11:12:29 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS
Vendor : Agilent Technologies		Instrument	Run		10/3/2018 11:12:29 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS
Serial# : DE34903137		Instrument	Run		10/3/2018 11:12:29 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS
Firmware : C.01.069		Instrument	Run		10/3/2018 11:12:29 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS
Cartridge : Electrode		Instrument	Run		10/3/2018 11:12:29 AM	(GMT +01:00) GMT Standard Time	hrseat	ADS