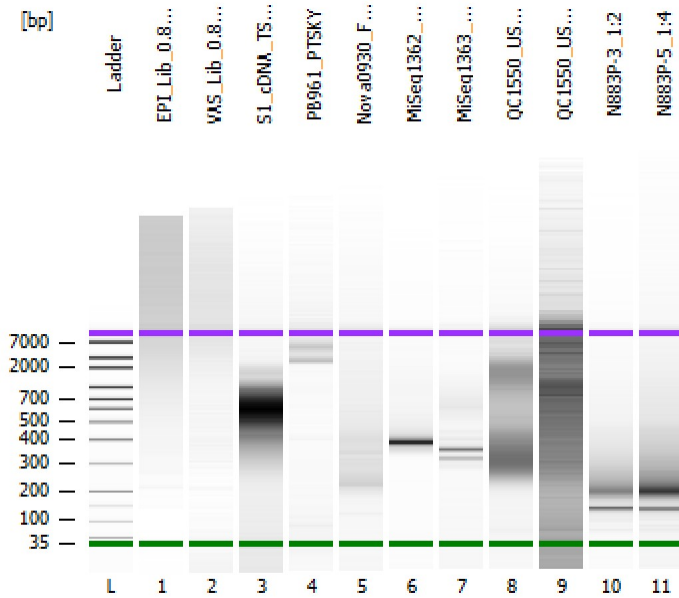


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
Modified: 7/17/2023 4:11:42 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

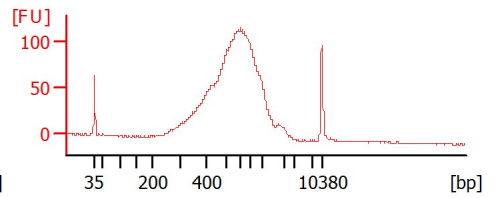
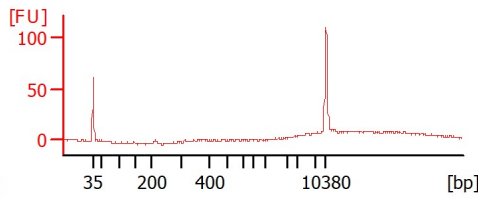
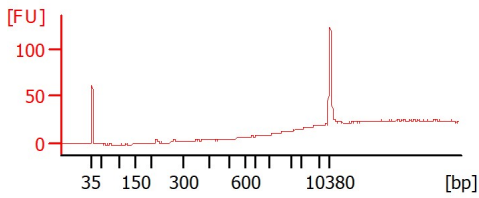
Chip Information:

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

EPI\_Lib\_0.8Xclean

VAS\_Lib\_0.8Xclean

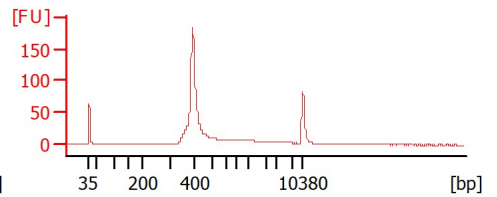
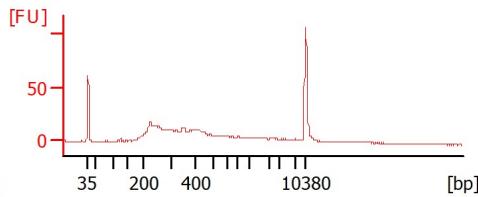
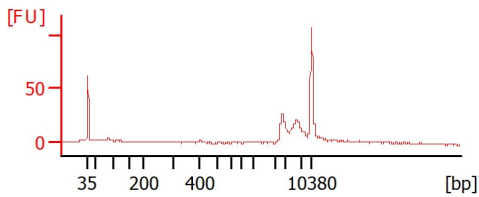
S1\_cDNA\_TSodeplete



PB961\_PTSKY

Nova0930\_F2TSWV722

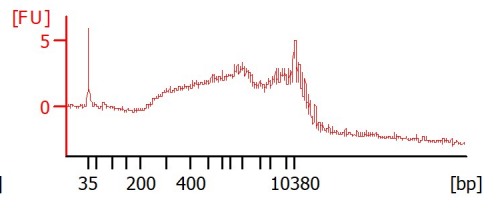
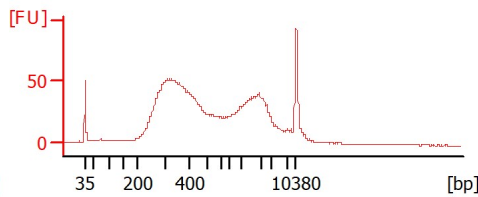
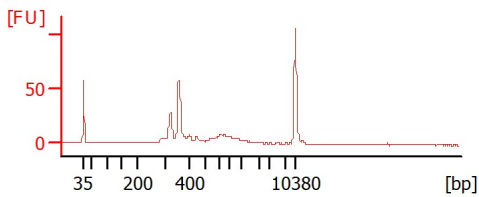
MiSeq1362\_AE2213



MiSeq1363\_WATERS1

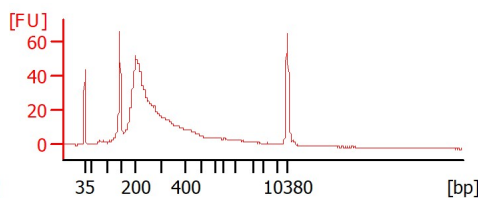
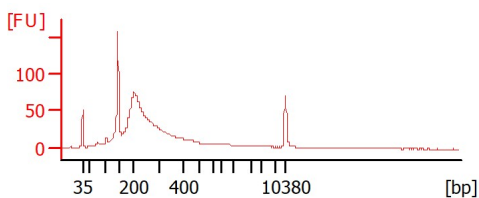
QC1550\_US\_17

QC1550\_US\_42



N883P-3\_1:2

N883P-5\_1:4



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
EPI_Lib_0.8Xclean		<input type="checkbox"/>		✓		
VAS_Lib_0.8Xclean		<input type="checkbox"/>		✓		
S1_cDNA_TSOdeplete		<input type="checkbox"/>		✓		
PB961_PTSKY		<input type="checkbox"/>		✓		
Nova0930_F2TSWV722		<input type="checkbox"/>		✓		
MiSeq1362_AE2213		<input type="checkbox"/>		✓		
MiSeq1363_WATERS1		<input type="checkbox"/>		✓		
QC1550_US_17		<input type="checkbox"/>		✓		
QC1550_US_42		<input type="checkbox"/>		✓		
N883P-3_1:2		<input type="checkbox"/>		✓		
N883P-5_1:4		<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\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 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

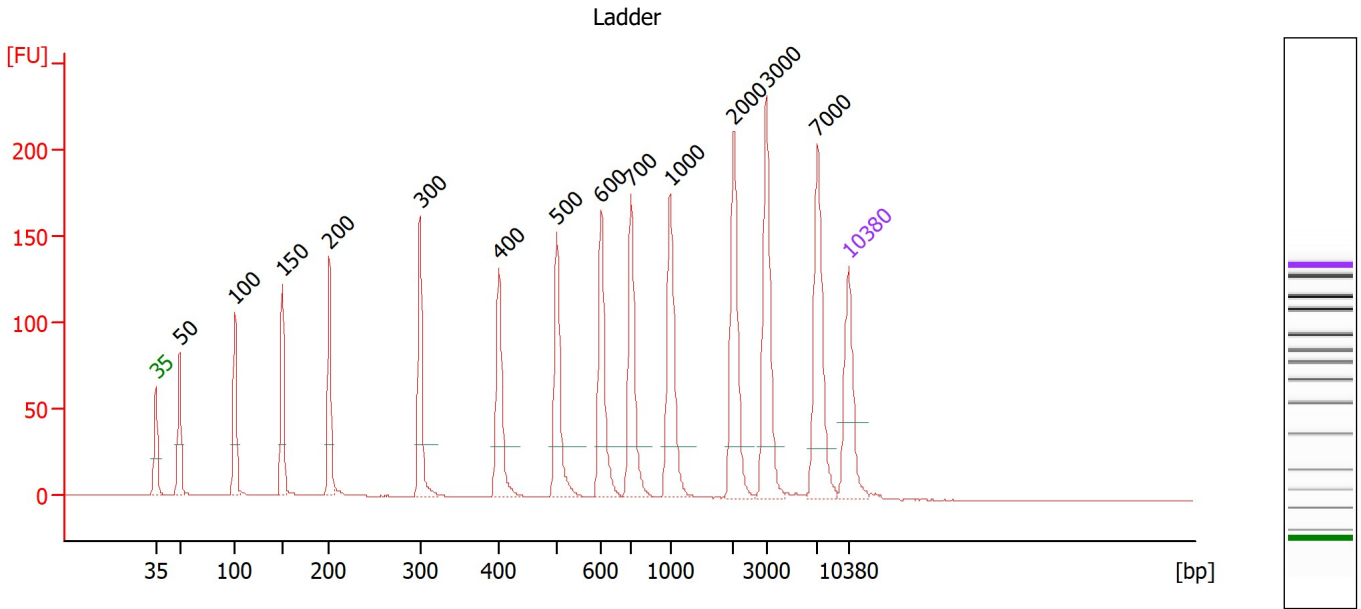
**Ladder**

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\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

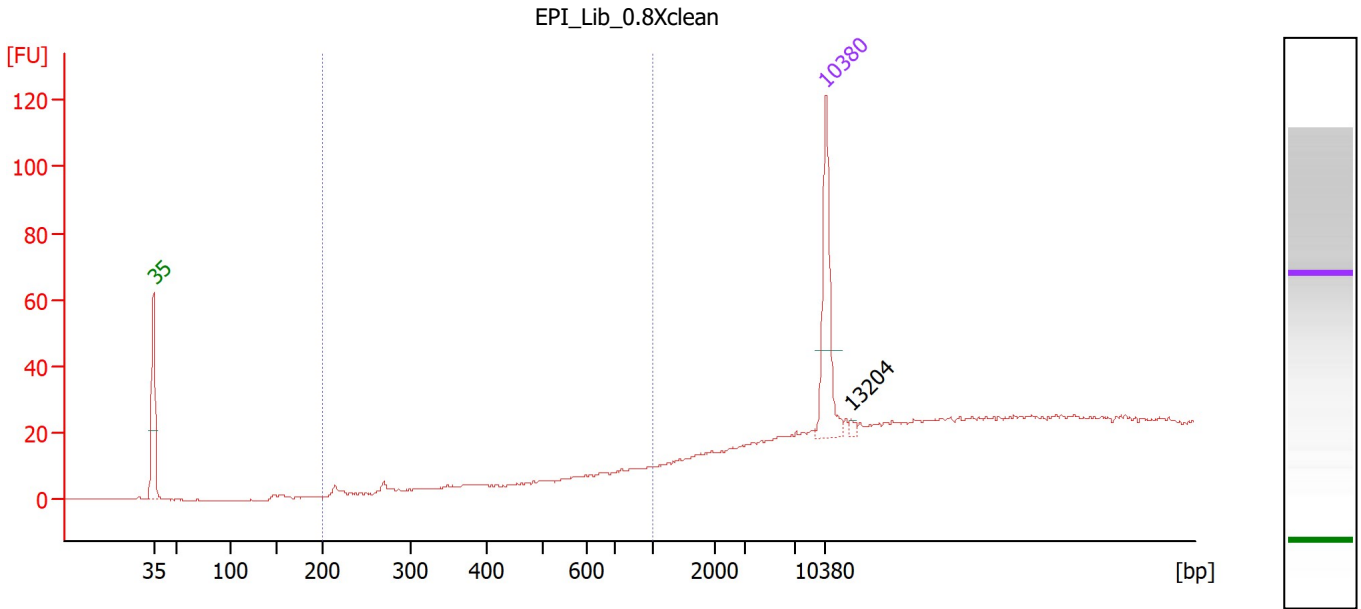
**Peak table for Ladder**

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\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : EPI Lib 0.8Xclean**

Number of peaks found: 1                      Corr. Area 1: 0.0  
 Noise: 0.3

**Peak table for sample 1 : EPI Lib 0.8Xclean**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	13,204	0.00	0.0	

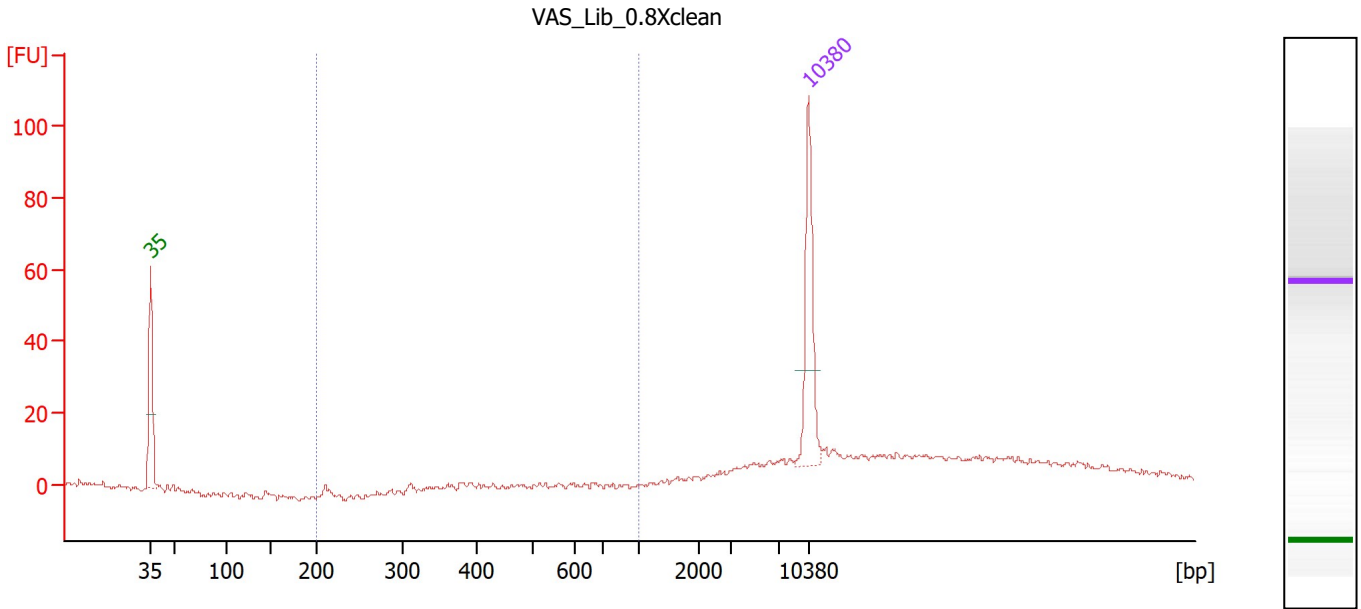
**Region table for sample 1 : EPI Lib 0.8Xclean**

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	0.0	0	0	0.0	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : VAS Lib 0.8Xclean**

Number of peaks found: 0    Corr. Area 1: 0.0  
 Noise: 0.8

**Peak table for sample 2 : VAS Lib 0.8Xclean**

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

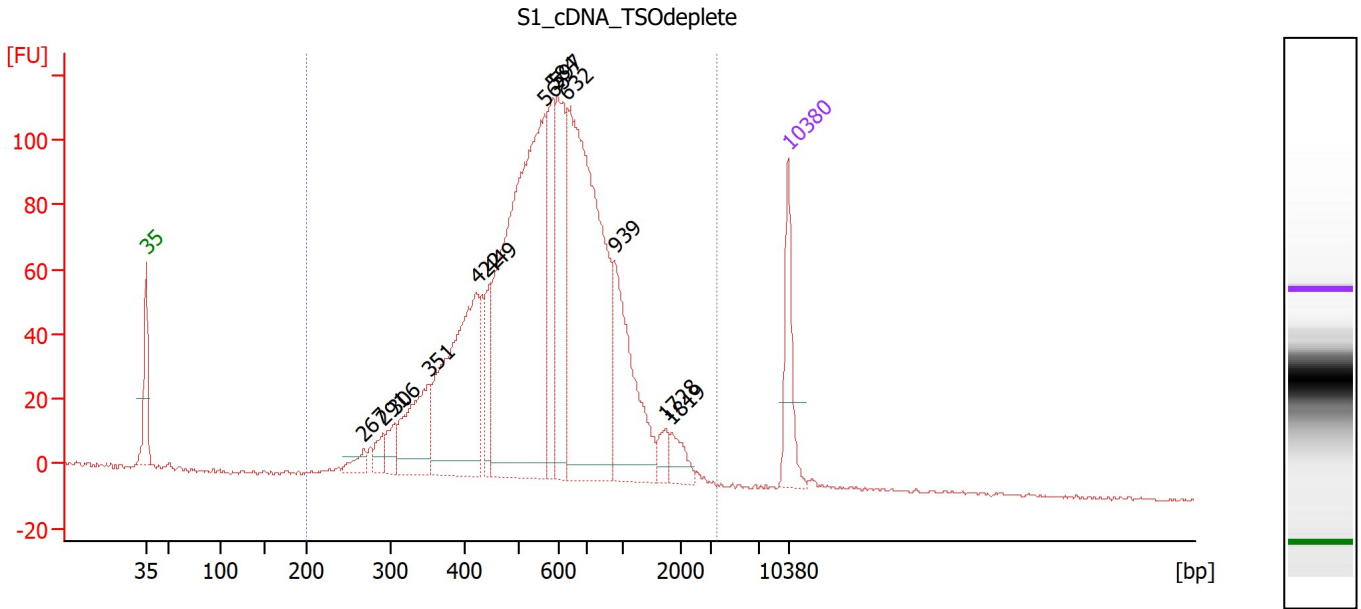
**Region table for sample 2 : VAS Lib 0.8Xclean**

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	0.0	0	0	0.0	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : S1\_cDNA\_TSodeplete**

Number of peaks found: 13                      Corr. Area 1: 2,177.3  
 Noise: 0.5

**Peak table for sample 3 : S1\_cDNA\_TSodeplete**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	267	24.33	137.9	
3	291	26.72	139.2	
4	306	35.27	174.9	
5	351	148.45	641.2	
6	422	369.01	1,323.8	
7	449	70.66	238.4	
8	565	758.83	2,036.6	
9	584	138.00	358.0	
10	597	208.78	529.8	
11	632	618.60	1,482.4	
12	939	198.08	319.6	
13	1,728	21.41	18.8	
14	1,819	29.70	24.7	
15	10,380	75.00	10.9	Upper Marker

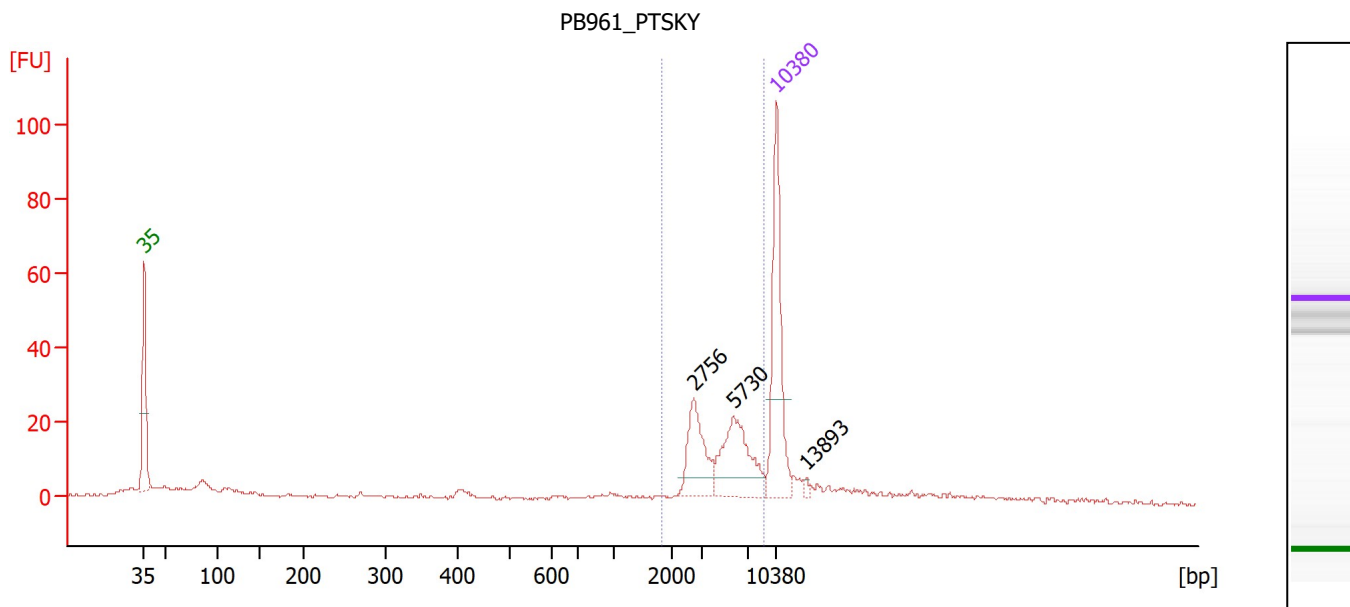
**Region table for sample 3 : S1\_cDNA\_TSodeplete**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	3,406	2,177.3	99	644	49.4	2,793.08	8,047.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : PB961\_PTSKY**

Number of peaks found: 3                      Corr. Area 1: 130.2  
 Noise: 0.4

**Peak table for sample 4 : PB961\_PTSKY**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,756	41.04	22.6	
3	5,730	56.31	14.9	
4	10,380	75.00	10.9	Upper Marker
5	13,893	0.00	0.0	

**Region table for sample 4 : PB961\_PTSKY**

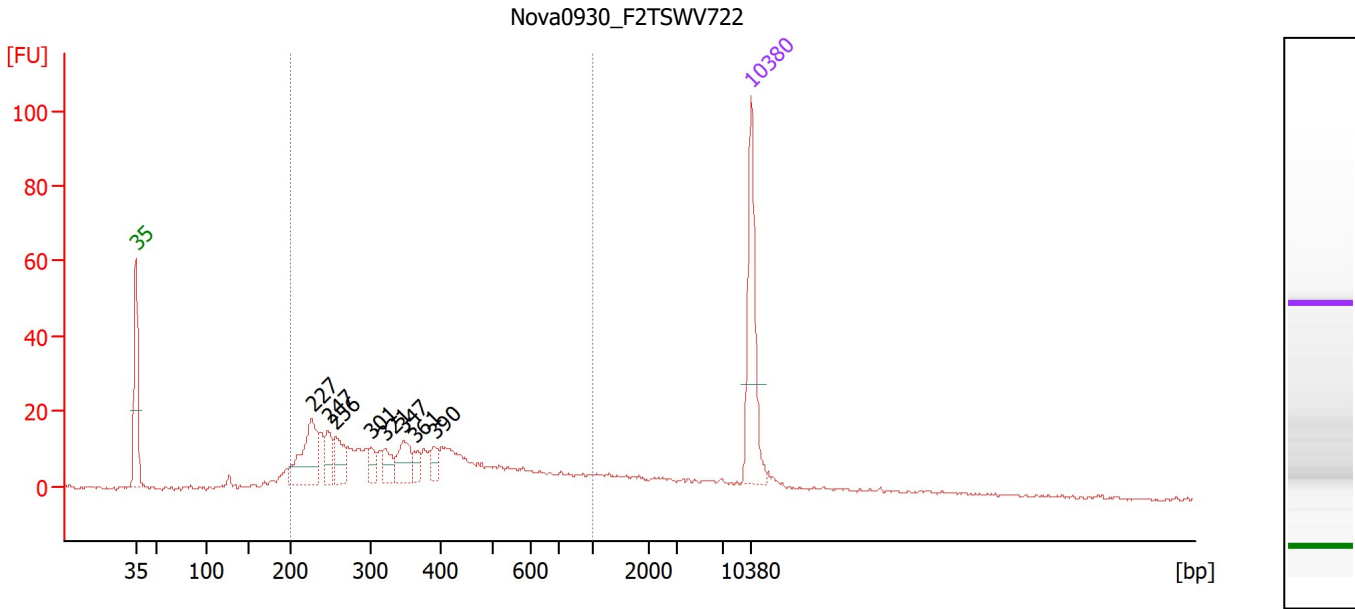
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
1,827	8,756	130.2	48	4,722	38.3	104.66	38.3	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Nova0930 F2TSWV722**

Number of peaks found: 8                      Corr. Area 1: 397.3  
 Noise: 0.5

**Peak table for sample 5 : Nova0930 F2TSWV722**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	227	82.29	549.4	
3	247	27.54	169.1	
4	256	36.52	216.1	
5	301	13.12	66.0	
6	321	20.53	96.9	
7	347	31.79	138.8	
8	361	10.91	45.7	
9	390	13.83	53.7	
10	10,380	75.00	10.9	Upper Marker

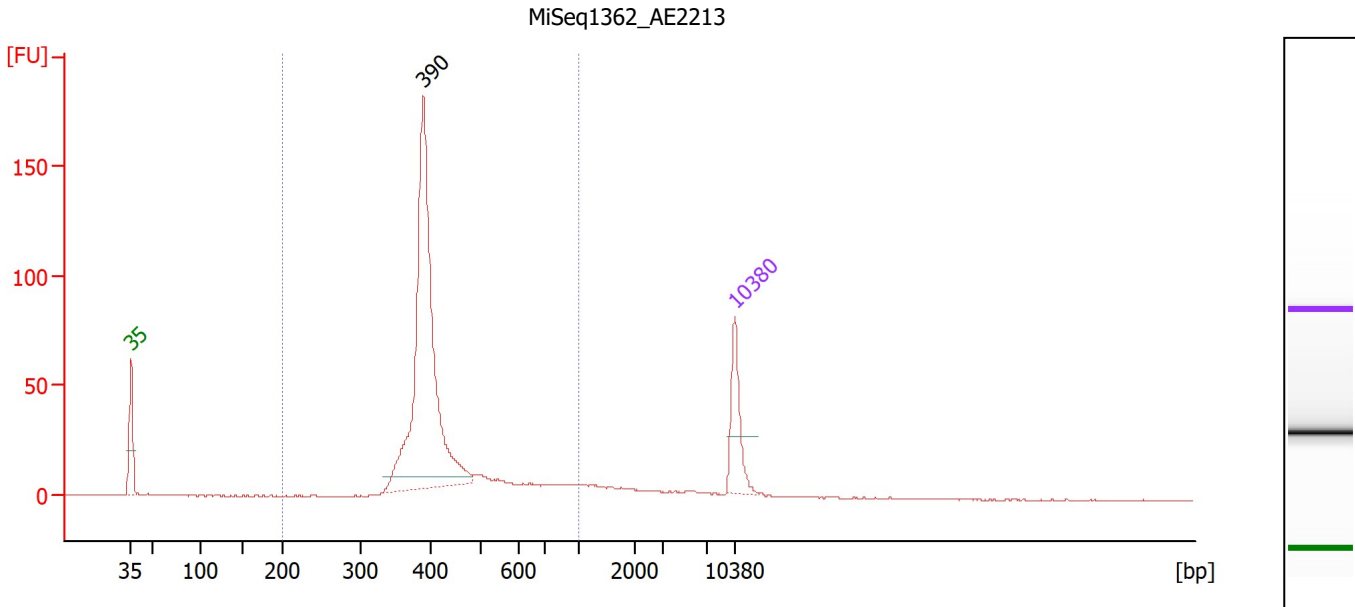
**Region table for sample 5 : Nova0930 F2TSWV722**

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	397.3	79	389	42.2	529.71	2,501.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : MiSeq1362\_AE2213**

Number of peaks found: 1                      Corr. Area 1: 639.6  
 Noise: 0.2

**Peak table for sample 6 : MiSeq1362\_AE2213**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	390	659.69	2,562.3	
3	10,380	75.00	10.9	Upper Marker

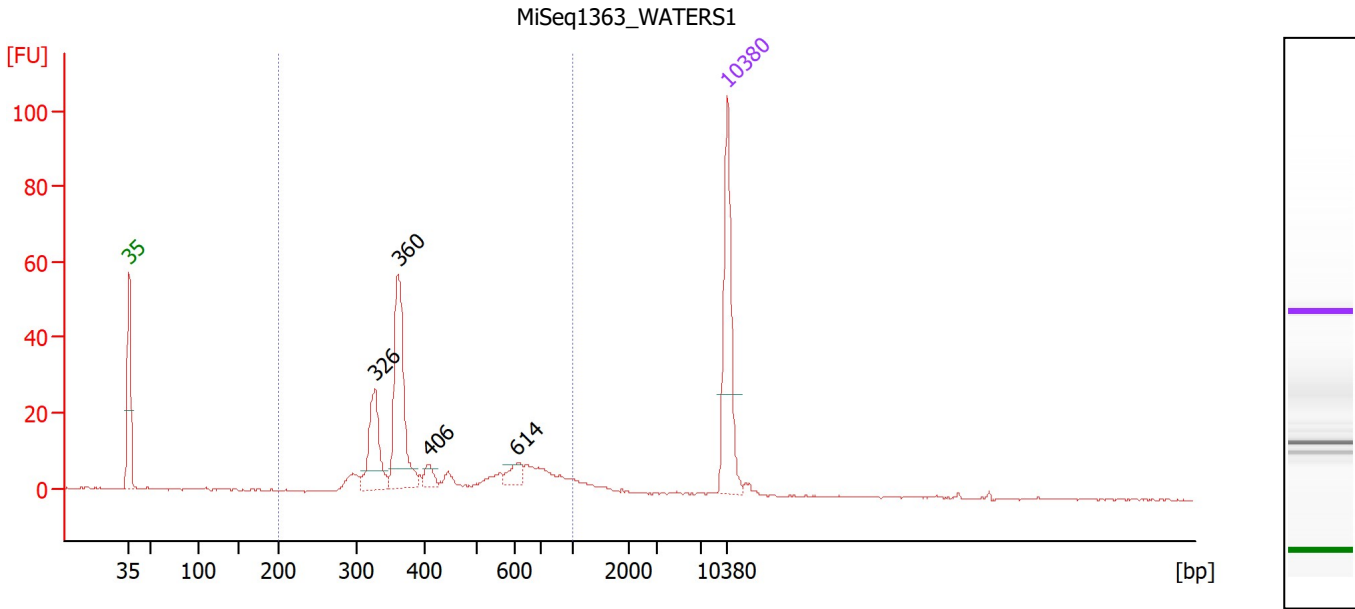
**Region table for sample 6 : MiSeq1362\_AE2213**

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	639.6	90	434	24.8	841.45	3,080.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : MiSeq1363\_WATERS1**

Number of peaks found: 4                      Corr. Area 1: 258.5  
 Noise: 0.2

**Peak table for sample 7 : MiSeq1363\_WATERS1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	326	64.30	298.6	
3	360	115.61	486.8	
4	406	10.41	38.9	
5	614	12.19	30.1	
6	10,380	75.00	10.9	Upper Marker

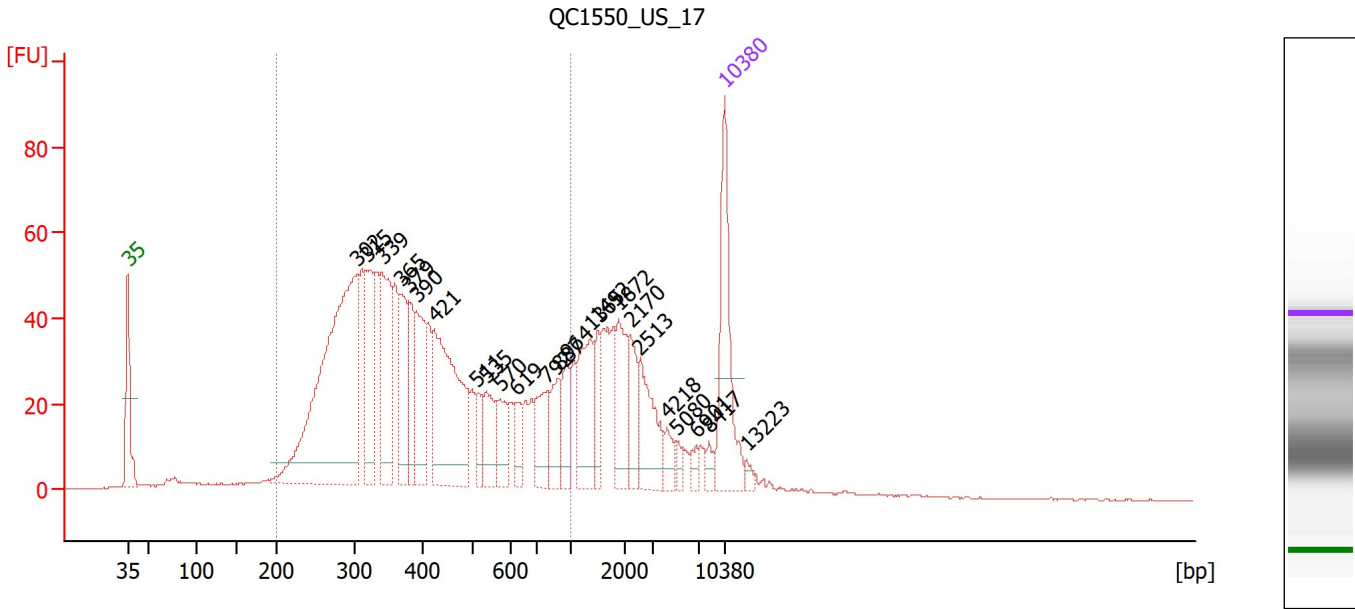
**Region table for sample 7 : MiSeq1363\_WATERS1**

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	258.5	90	450	35.9	306.53	1,172.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1550 US 17**

Number of peaks found: 24                      Corr. Area 1: 1,324.1  
 Noise: 0.2

**Peak table for sample 8 : QC1550 US 17**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	302	373.18	1,869.8	
3	315	82.19	395.4	
4	339	101.76	455.5	
5	365	64.57	267.9	
6	379	45.66	182.7	
7	390	64.58	250.7	
8	421	158.72	571.3	
9	511	20.53	60.9	
10	535	34.42	97.5	
11	570	28.29	75.2	
12	619	17.85	43.7	
13	792	37.93	72.6	
14	887	30.14	51.5	
15	964	26.33	41.4	
16	1,365	55.95	62.1	
17	1,492	23.48	23.9	
18	1,872	40.47	32.8	
19	2,170	27.69	19.3	
20	2,513	46.85	28.2	
21	4,218	12.01	4.3	
22	5,080	6.15	1.8	
23	6,901	7.64	1.7	
24	8,417	6.96	1.3	
25	10,380	75.00	10.9	Upper Marker
26	13,223	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**

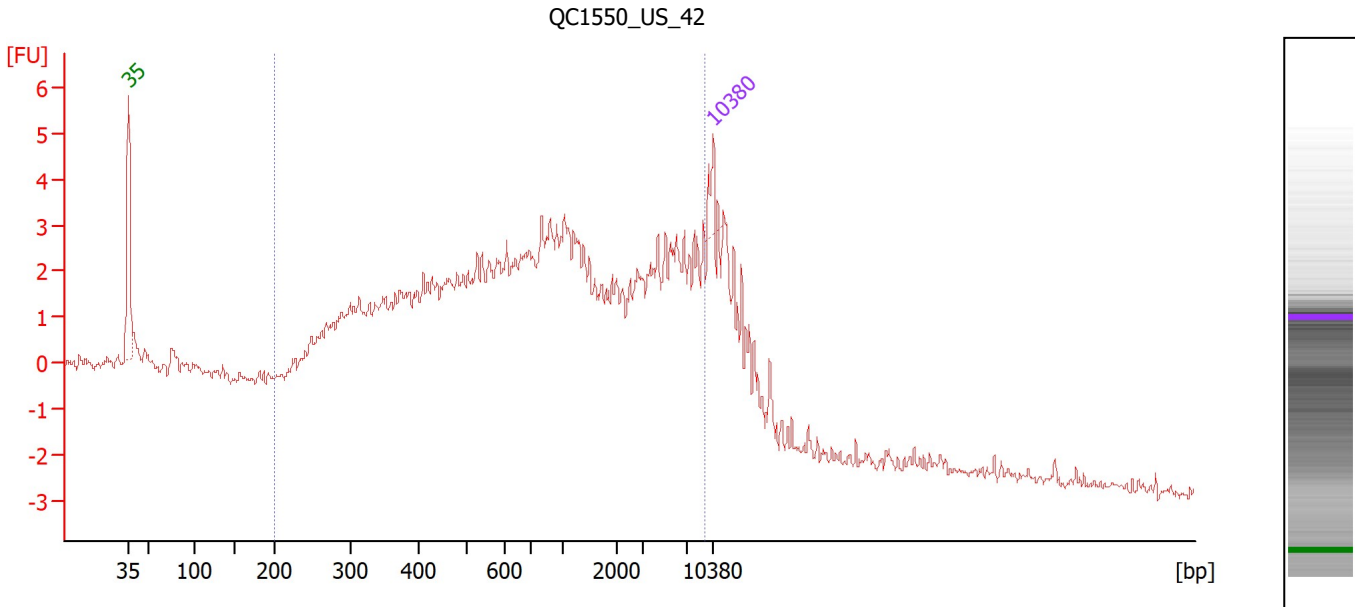
... Region table for sample 8 : QC1550 US 17

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	1,324.1	73	433	40.9	1,463.43	6,123.1	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : QC1550 US 42**

Number of peaks found: 0                      Corr. Area 1: 147.0  
 Noise: 0.1

**Peak table for sample 9 : QC1550 US 42**

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

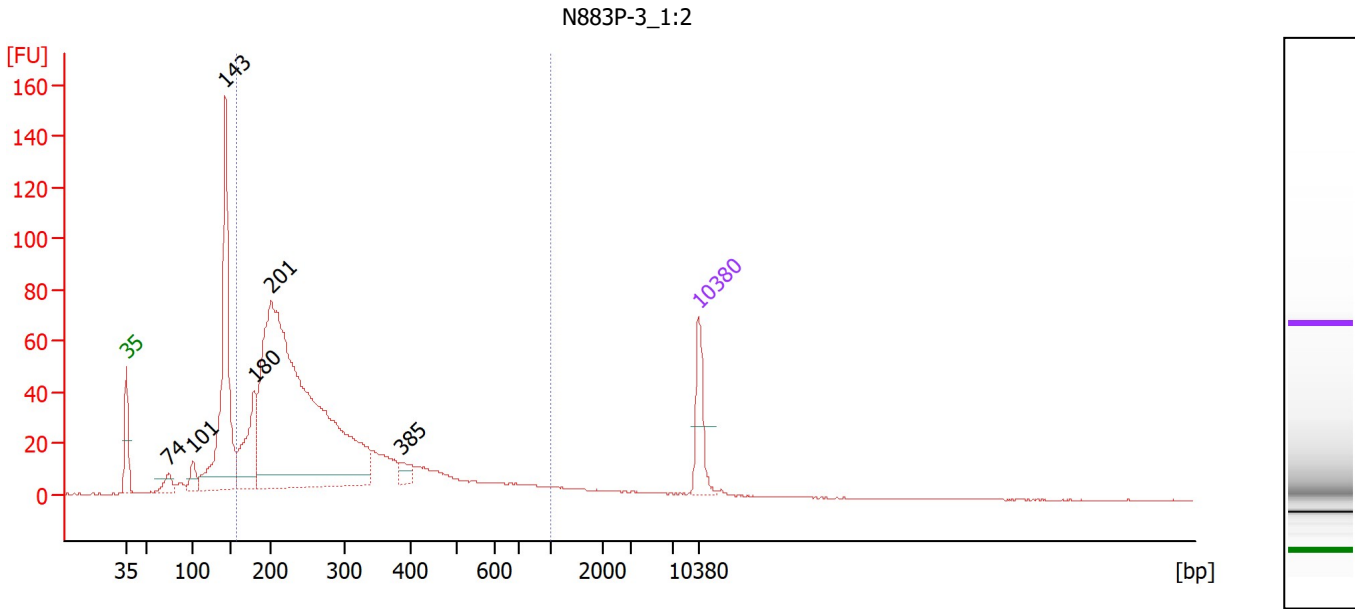
**Region table for sample 9 : QC1550 US 42**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,347	147.0	89	1,898	100.0	11,485.59	30,228.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : N883P-3 1:2**

Number of peaks found: 6      Corr. Area 1: 1,110.9  
 Noise: 0.1

**Peak table for sample 10 : N883P-3 1:2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	74	39.03	795.0	
3	101	42.60	636.7	
4	143	604.36	6,408.3	
5	180	208.52	1,755.4	
6	201	1,709.48	12,862.4	
7	385	27.30	107.5	
8	10,380	75.00	10.9	Upper Marker

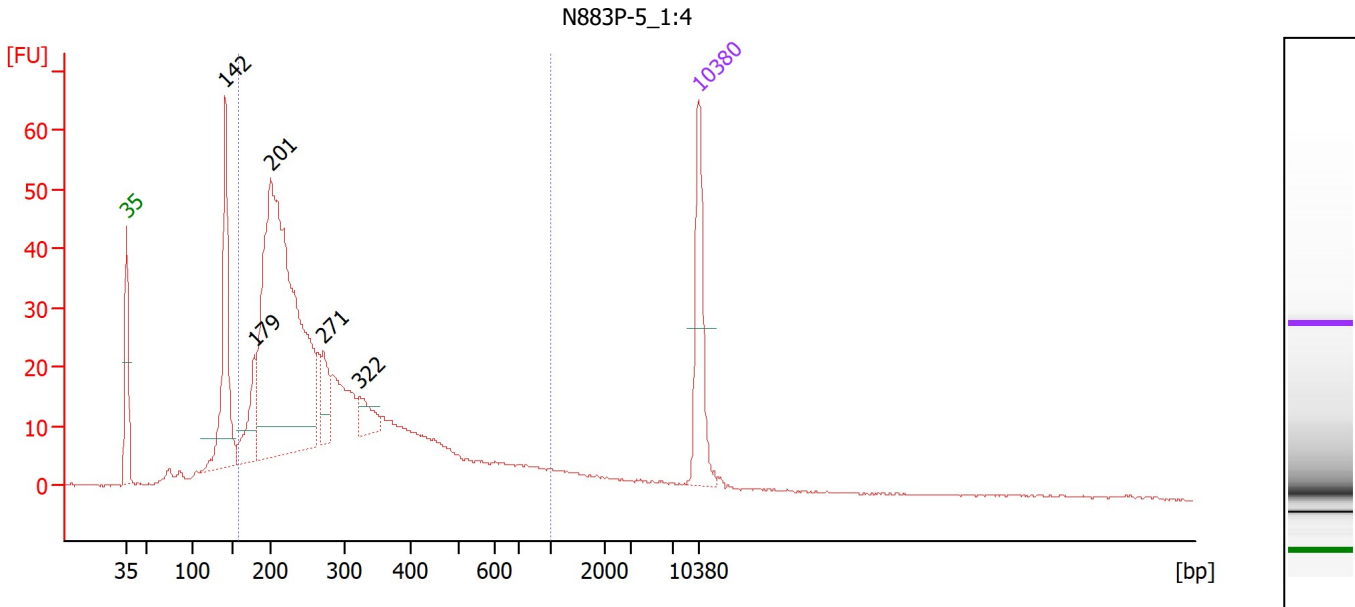
**Region table for sample 10 : N883P-3 1:2**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
157	1,000	1,110.9	76	291	44.9	2,283.44	14,113.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : N883P-5 1:4**

Number of peaks found: 5                      Corr. Area 1: 767.3  
 Noise: 0.2

**Peak table for sample 11 : N883P-5 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	142	196.92	2,098.1	
3	179	67.96	574.3	
4	201	680.81	5,140.7	
5	271	42.19	235.7	
6	322	30.22	142.3	
7	10,380	75.00	10.9	Upper Marker

**Region table for sample 11 : N883P-5 1:4**

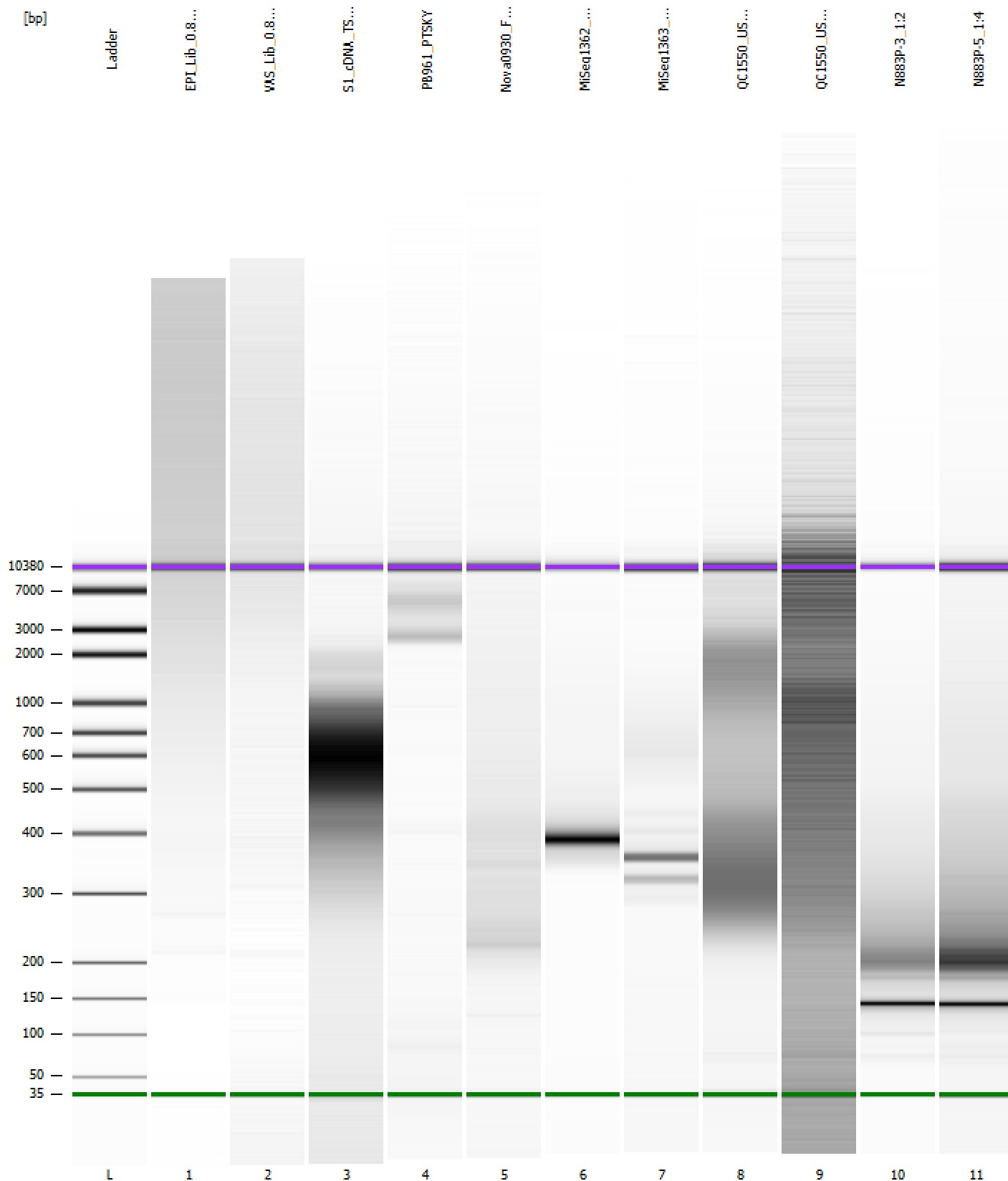
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
159	1,000	767.3	80	308	46.8	1,487.13	8,880.5	Blue



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
Modified: 7/17/2023 4:11:42 PM

Gel Image

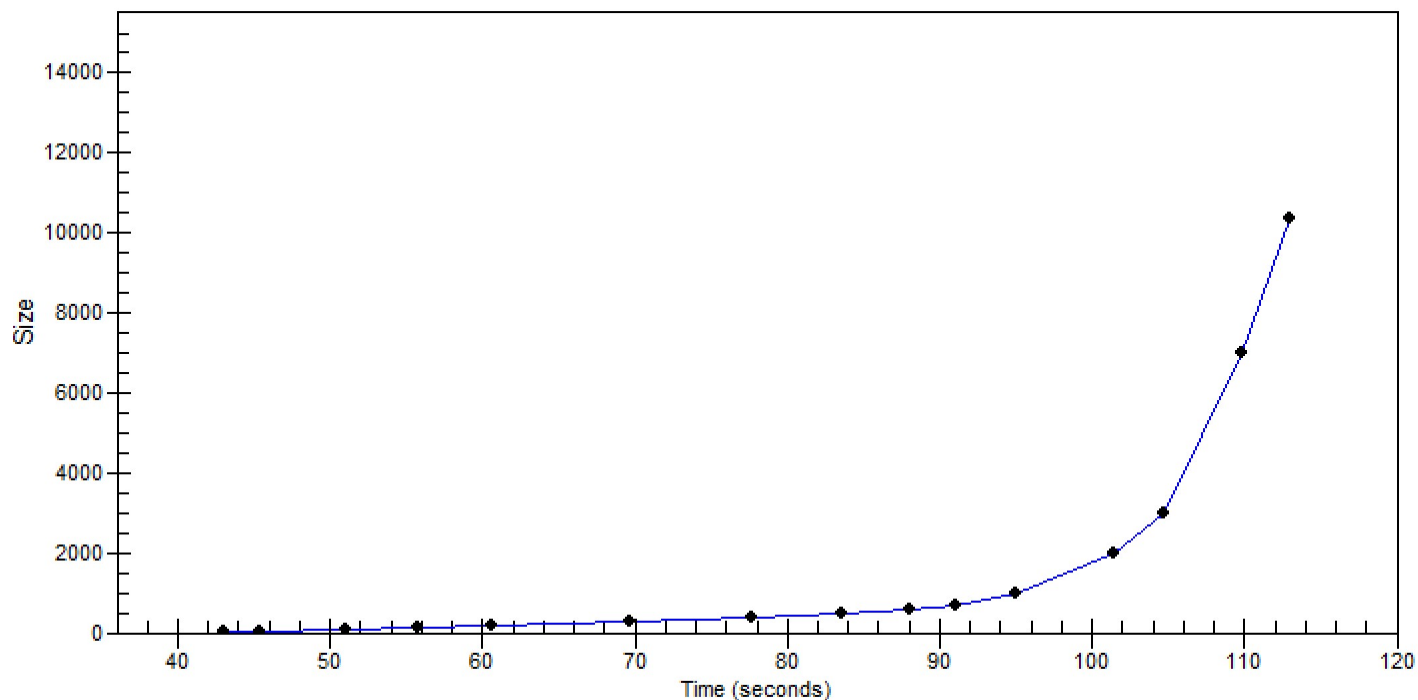


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
Modified: 7/17/2023 4:11:42 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2023-07-17\_001.xad

Created: 7/17/2023 2:58:04 PM  
 Modified: 7/17/2023 4:11:42 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		7/17/2023 3:39:24 PM	(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\2023-07-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-07-17_001.xad)		Instrument	Run		7/17/2023 2:58:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/17/2023 2:58:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/17/2023 2:58:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/17/2023 2:58:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/17/2023 2:58:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/17/2023 2:58:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/17/2023 2:58:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB