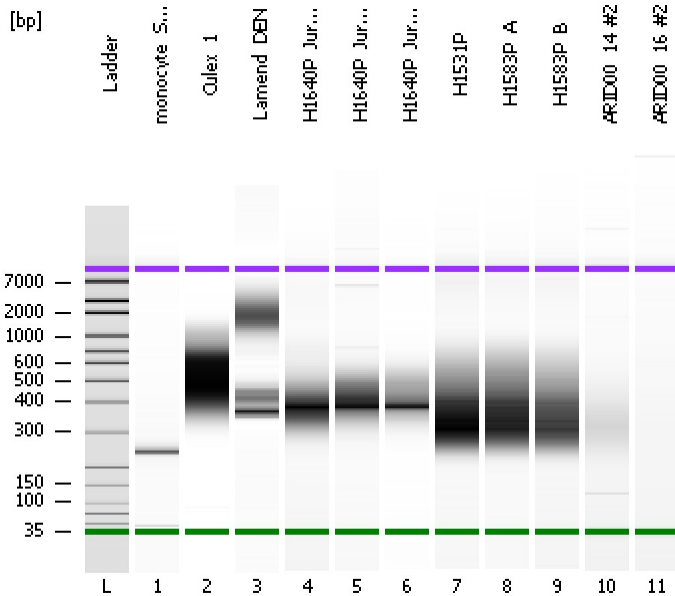


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
Modified: 12/13/2018 12:15:00 PM

Electrophoresis File Run Summary



Instrument Information:

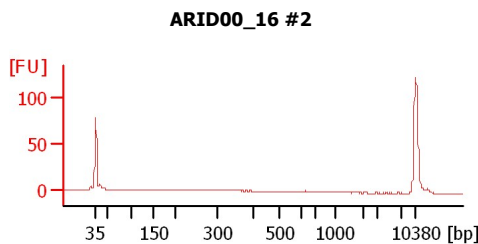
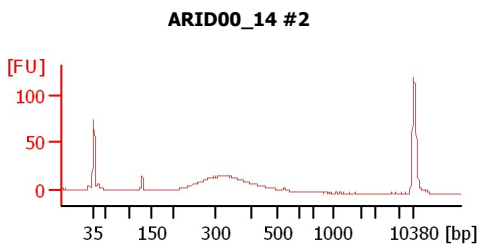
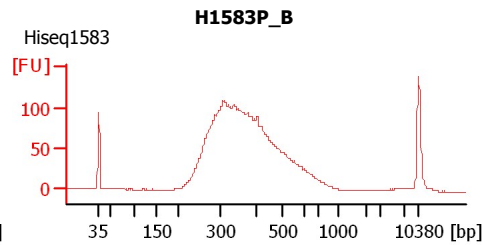
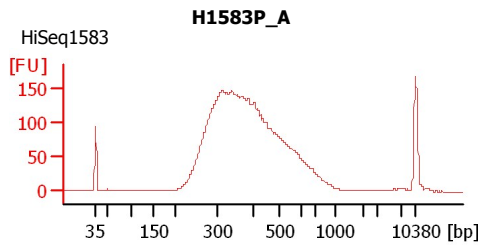
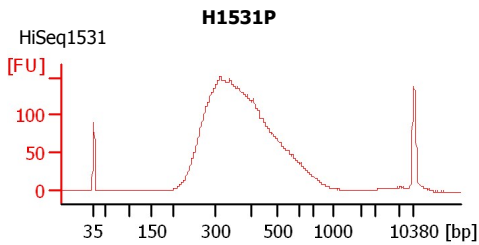
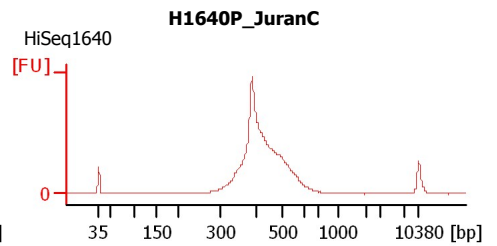
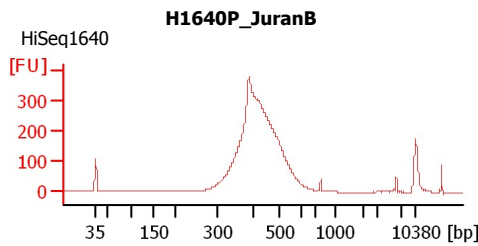
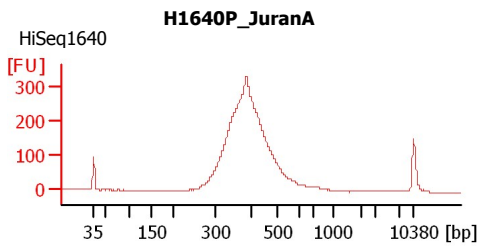
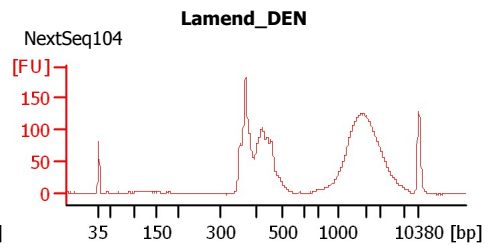
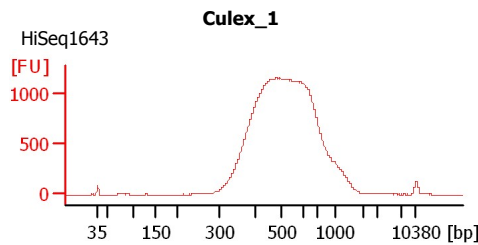
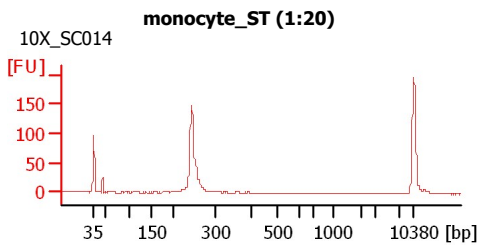
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
Modified: 12/13/2018 12:15:00 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
monocyte_ST (1:20)	10X_SC014	<input type="checkbox"/>	✓			
Culex_1	HiSeq1643	<input type="checkbox"/>	✓			
Lamend_DEN	NextSeq104	<input type="checkbox"/>	✓			
H1640P_JuranA	HiSeq1640	<input type="checkbox"/>	✓			
H1640P_JuranB	HiSeq1640	<input type="checkbox"/>	✓			
H1640P_JuranC	HiSeq1640	<input type="checkbox"/>	✓			
H1531P	HiSeq1531	<input type="checkbox"/>	✓			
H1583P_A	HiSeq1583	<input type="checkbox"/>	✓			
H1583P_B	Hiseq1583	<input type="checkbox"/>	✓			
ARID00_14 #2		<input type="checkbox"/>	✓			
ARID00_16 #2		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
Modified: 12/13/2018 12:15:00 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

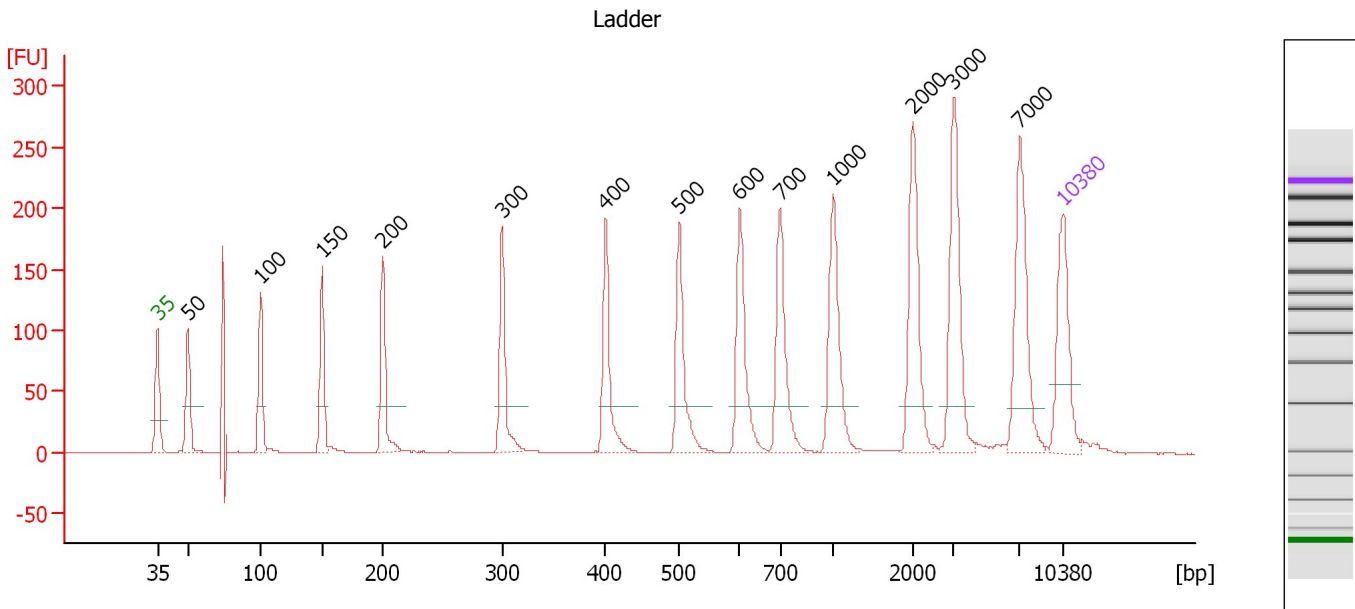
**Ladder**

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:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

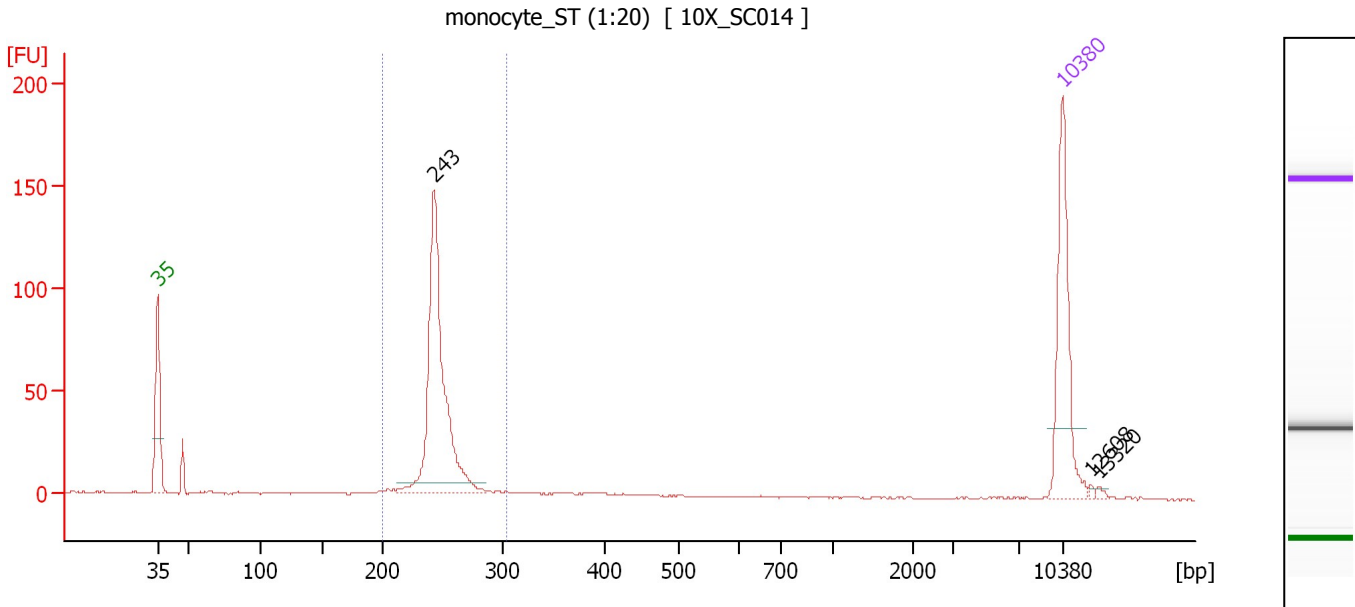
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.34
3	100	150.00	2,272.7	Ladder Peak	50.95
4	150	150.00	1,515.2	Ladder Peak	55.73
5	200	150.00	1,136.4	Ladder Peak	60.42
6	300	150.00	757.6	Ladder Peak	69.66
7	400	150.00	568.2	Ladder Peak	77.66
8	500	150.00	454.5	Ladder Peak	83.35
9	600	150.00	378.8	Ladder Peak	88.04
10	700	150.00	324.7	Ladder Peak	91.17
11	1,000	150.00	227.3	Ladder Peak	95.26
12	2,000	150.00	113.6	Ladder Peak	101.42
13	3,000	150.00	75.8	Ladder Peak	104.59
14	7,000	150.00	32.5	Ladder Peak	109.69
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : monocyte ST (1:20)**

Number of peaks found: 3                      Corr. Area 1: 335.9  
 Noise: 0.3

**Peak table for sample 1 : monocyte ST (1:20)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	243	236.33	1,473.1		64.40
3	10,380	75.00	10.9	Upper Marker	113.00
4	12,608	0.00	0.0		115.18
5	13,320	0.00	0.0		115.88

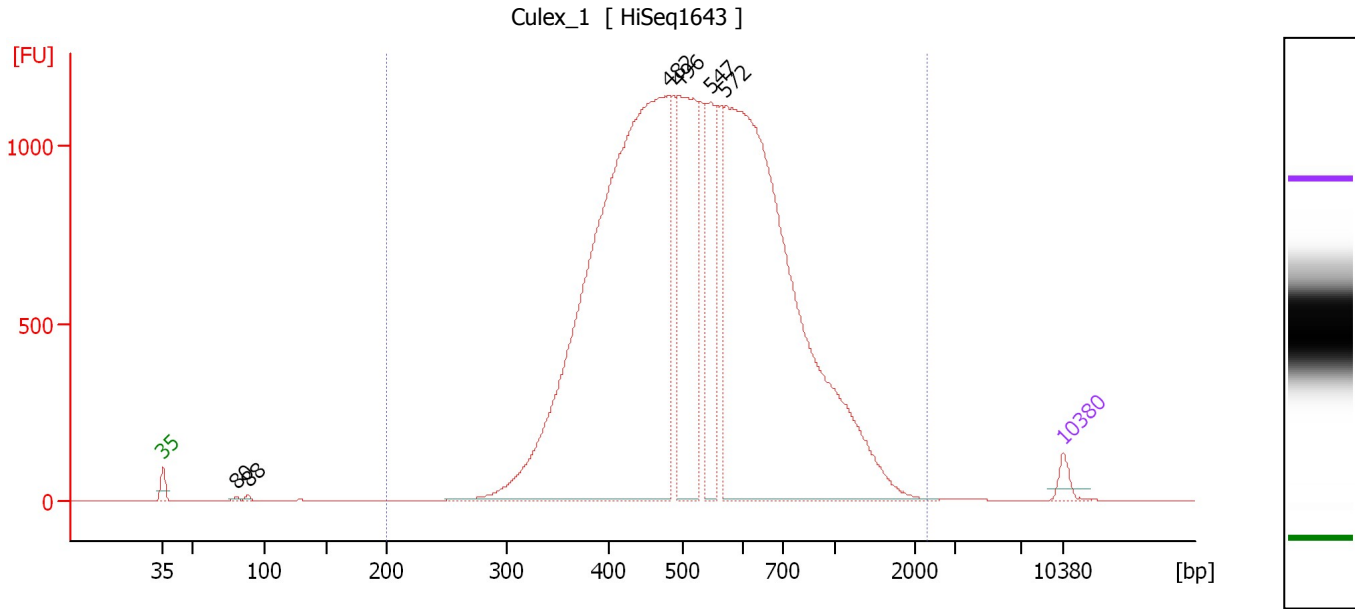
**Region table for sample 1 : monocyte ST (1:20)**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	305	247	248.07	335.9	1,522.7	83	5.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Culex\_1**

Number of peaks found: 6                      Corr. Area 1: 24,659.9  
 Noise: 0.3

**Peak table for sample 2 : Culex\_1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	80	13.94	264.0		48.71
3	88	21.12	363.3		49.61
4	482	8,932.49	28,101.6		82.31
5	496	2,101.50	6,422.0		83.12
6	547	962.46	2,667.6		85.54
7	572	7,156.51	18,955.1		86.73
8	10,380	75.00	10.9	Upper Marker	113.00

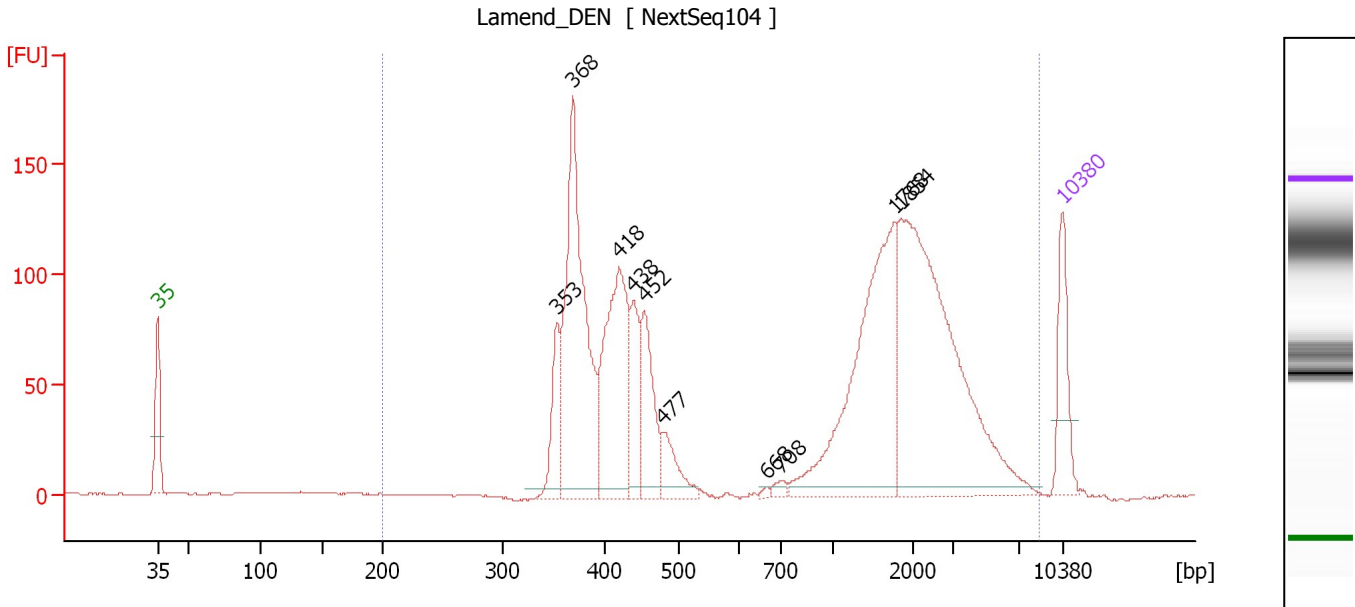
**Region table for sample 2 : Culex\_1**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	2,328	565	21,042.53	24,659.9	63,571.8	100	37.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Lamend\_DEN**

Number of peaks found: 10                      Corr. Area 1: 2,053.6  
 Noise: 0.2

**Peak table for sample 3 : Lamend\_DEN**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	353	89.87	386.2		73.86
3	368	442.48	1,820.2		75.12
4	418	291.23	1,056.9		78.65
5	438	94.76	327.9		79.81
6	452	127.80	428.1		80.64
7	477	56.59	179.8		82.04
8	668	4.00	9.1		90.17
9	708	9.74	20.8		91.28
10	1,768	367.40	314.9		99.99
11	1,854	504.58	412.3		100.52
12	10,380	75.00	10.9	Upper Marker	113.00

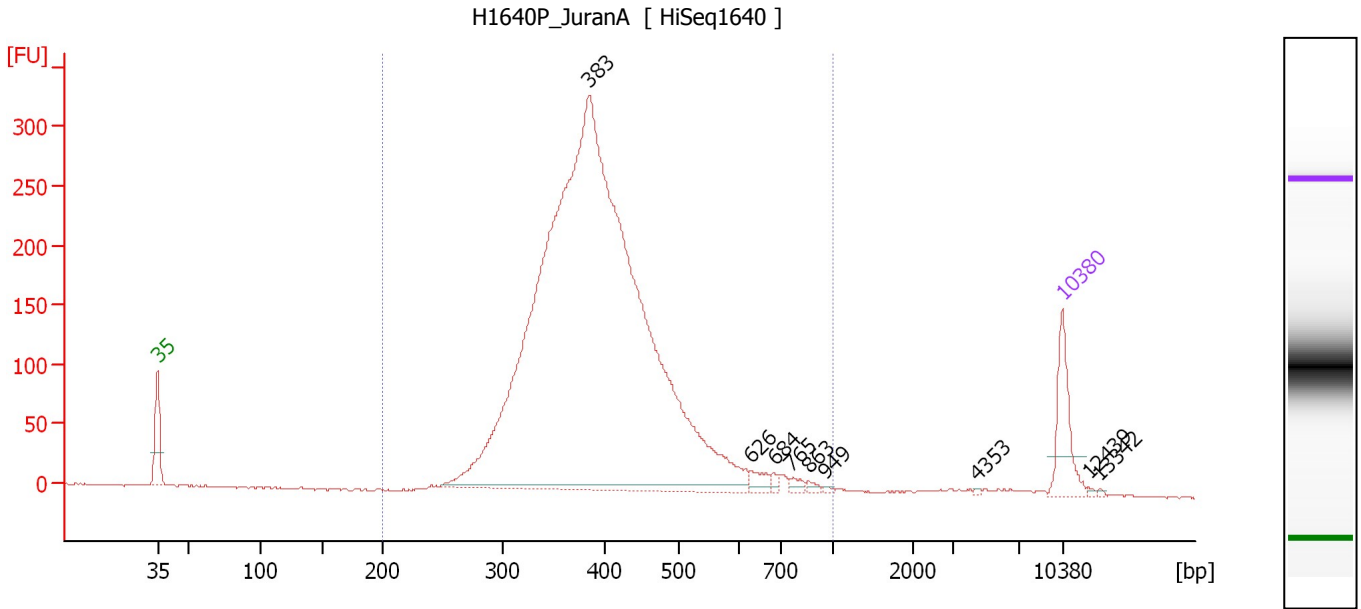
**Region table for sample 3 : Lamend\_DEN**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	8,548	1,484	1,911.90	2,053.6	4,686.5	100	84.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : H1640P\_JuranA**

Number of peaks found: 9                      Corr. Area 1: 3,973.3  
 Noise: 0.8

**Peak table for sample 4 : H1640P\_JuranA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	383	2,879.61	11,397.8		76.28
3	626	19.83	48.0		88.86
4	684	7.53	16.7		90.68
5	765	9.93	19.7		92.06
6	863	6.30	11.1		93.39
7	949	3.11	5.0		94.57
8	4,353	1.54	0.5		106.31
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,439	0.00	0.0		115.02
11	13,342	0.00	0.0		115.90

**Region table for sample 4 : H1640P\_JuranA**

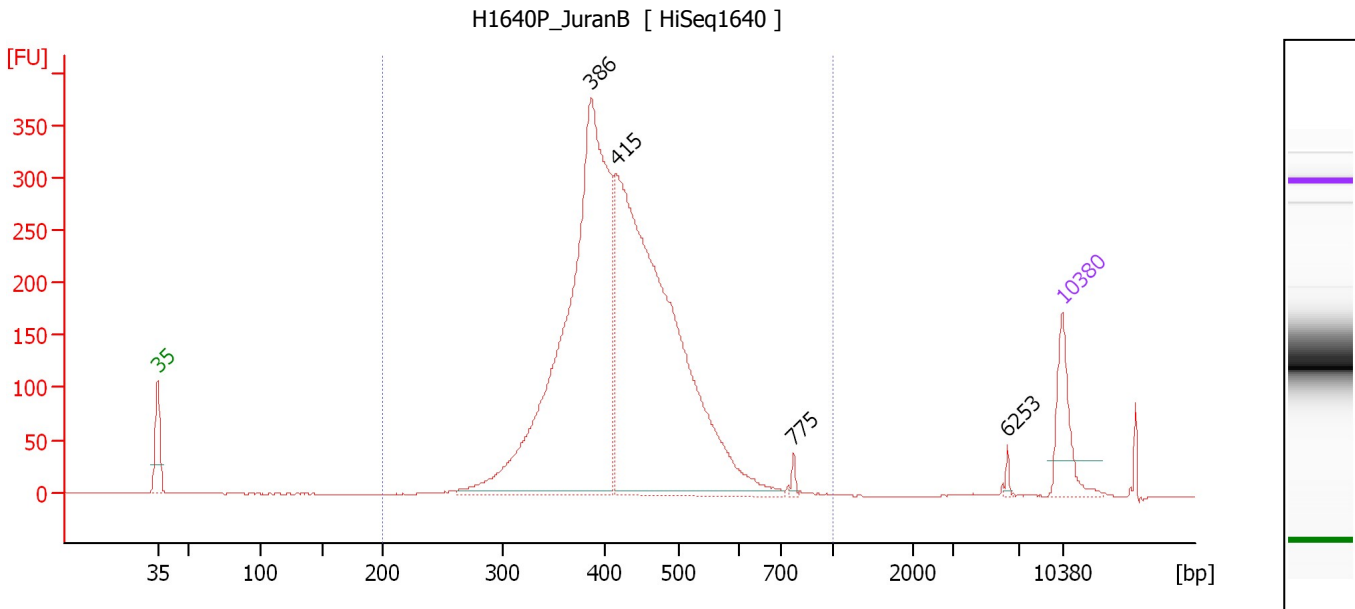
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	405	2,980.26	3,973.3	11,680.5	98	21.2



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : H1640P\_JuranB**

Number of peaks found: 4                      Corr. Area 1: 4,052.1  
 Noise: 0.4

**Peak table for sample 5 : H1640P\_JuranB**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	386	1,267.00	4,971.7		76.55
3	415	1,301.93	4,755.1		78.50
4	775	8.53	16.7		92.19
5	6,253	7.17	1.7		108.74
6	10,380	75.00	10.9	Upper Marker	113.00

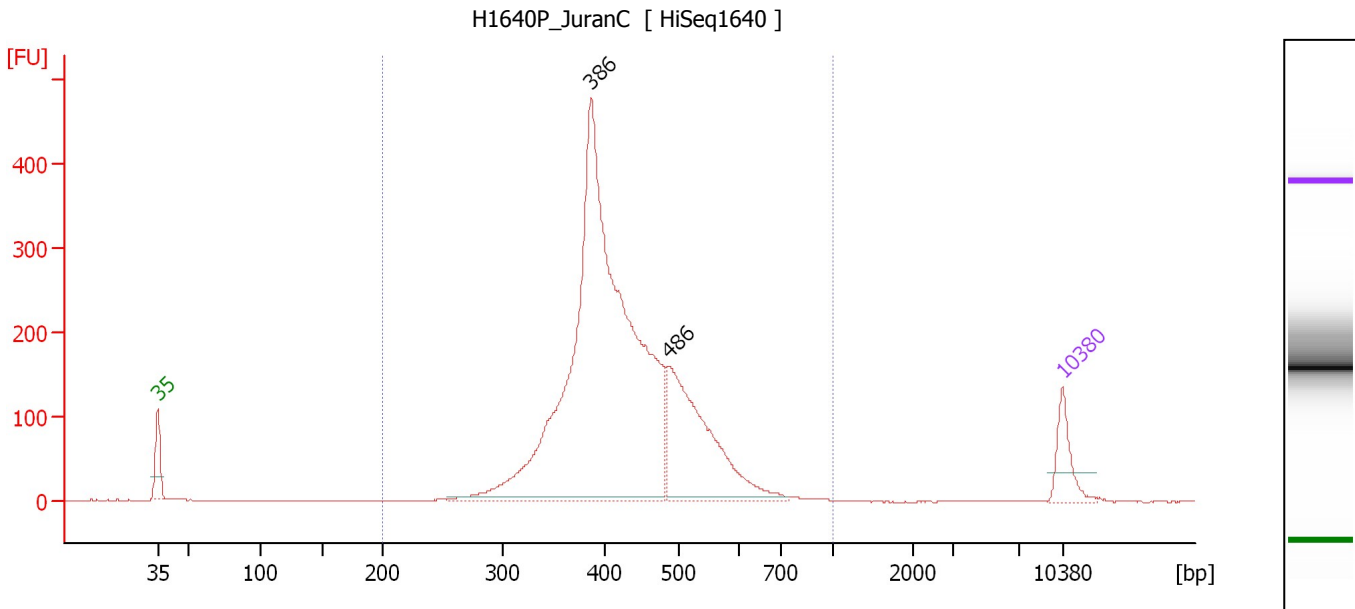
**Region table for sample 5 : H1640P\_JuranB**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	428	2,585.96	4,052.1	9,479.2	98	17.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : H1640P\_JuranC**

Number of peaks found: 2                      Corr. Area 1: 3,695.8  
 Noise: 0.3

**Peak table for sample 6 : H1640P\_JuranC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	386	2,319.46	9,101.8		76.54
3	486	566.17	1,764.2		82.57
4	10,380	75.00	10.9	Upper Marker	113.00

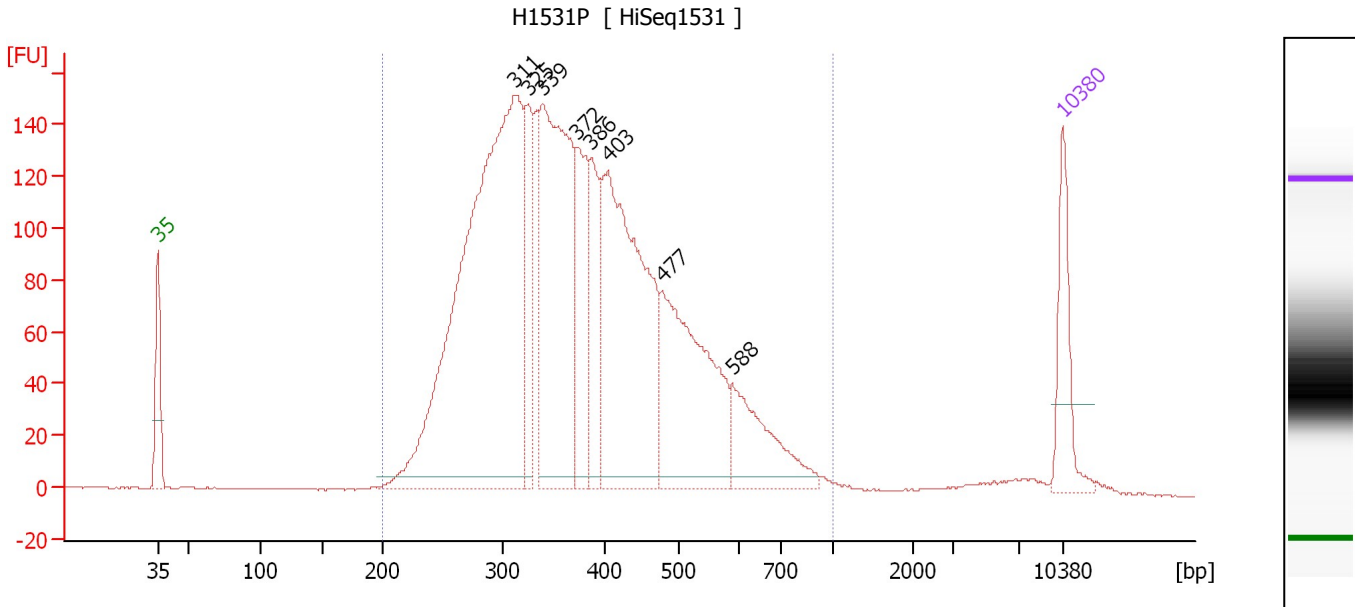
**Region table for sample 6 : H1640P\_JuranC**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	430	2,869.38	3,695.8	10,491.6	99	17.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : H1531P**

Number of peaks found: 8                      Corr. Area 1: 3,468.9  
 Noise: 0.2

**Peak table for sample 7 : H1531P**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	311	1,079.41	5,255.0		70.56
3	325	139.19	649.3		71.64
4	339	503.41	2,249.8		72.78
5	372	157.16	640.1		75.42
6	386	123.78	486.4		76.50
7	403	497.07	1,867.3		77.84
8	477	332.42	1,056.3		82.03
9	588	130.31	336.0		87.46
10	10,380	75.00	10.9	Upper Marker	113.00

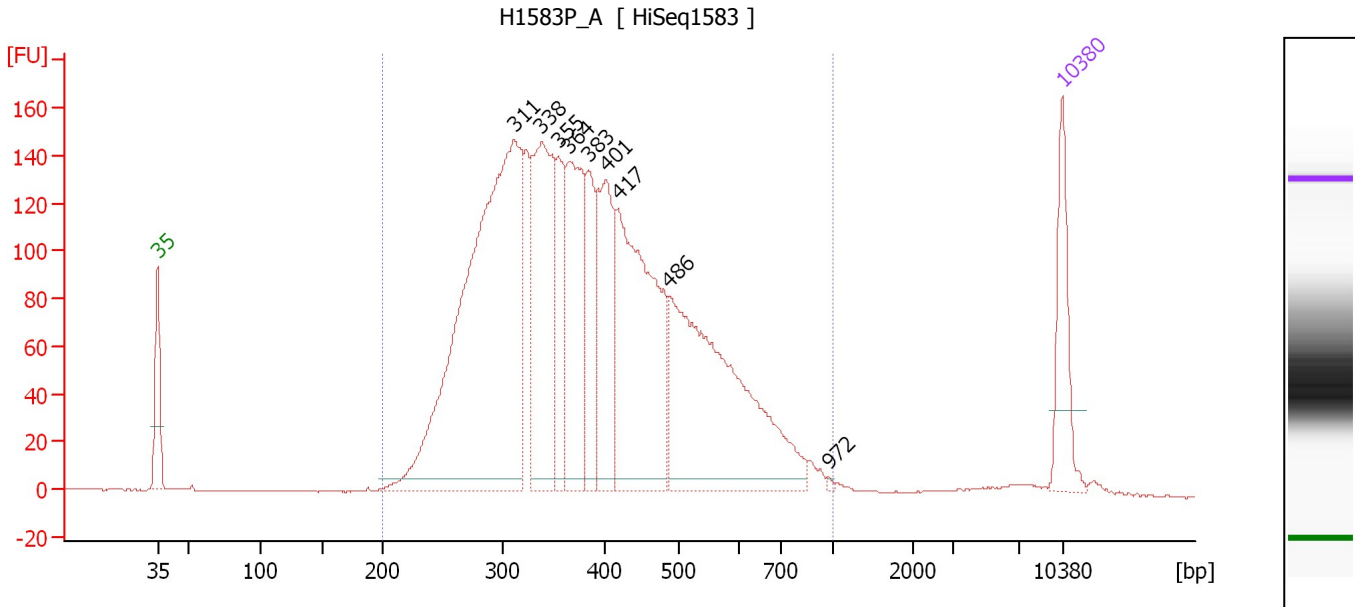
**Region table for sample 7 : H1531P**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	389	3,129.01	3,468.9	13,475.1	98	29.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : H1583P A**

Number of peaks found: 9                      Corr. Area 1: 3,537.0  
 Noise: 0.2

**Peak table for sample 8 : H1583P A**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	311	884.43	4,306.3		70.55
3	338	305.45	1,369.7		72.69
4	355	115.82	494.6		74.04
5	364	215.14	895.7		74.77
6	383	116.41	460.7		76.28
7	401	170.75	645.9		77.69
8	417	379.75	1,379.8		78.63
9	486	458.79	1,431.6		82.53
10	972	2.16	3.4		94.88
11	10,380	75.00	10.9	Upper Marker	113.00

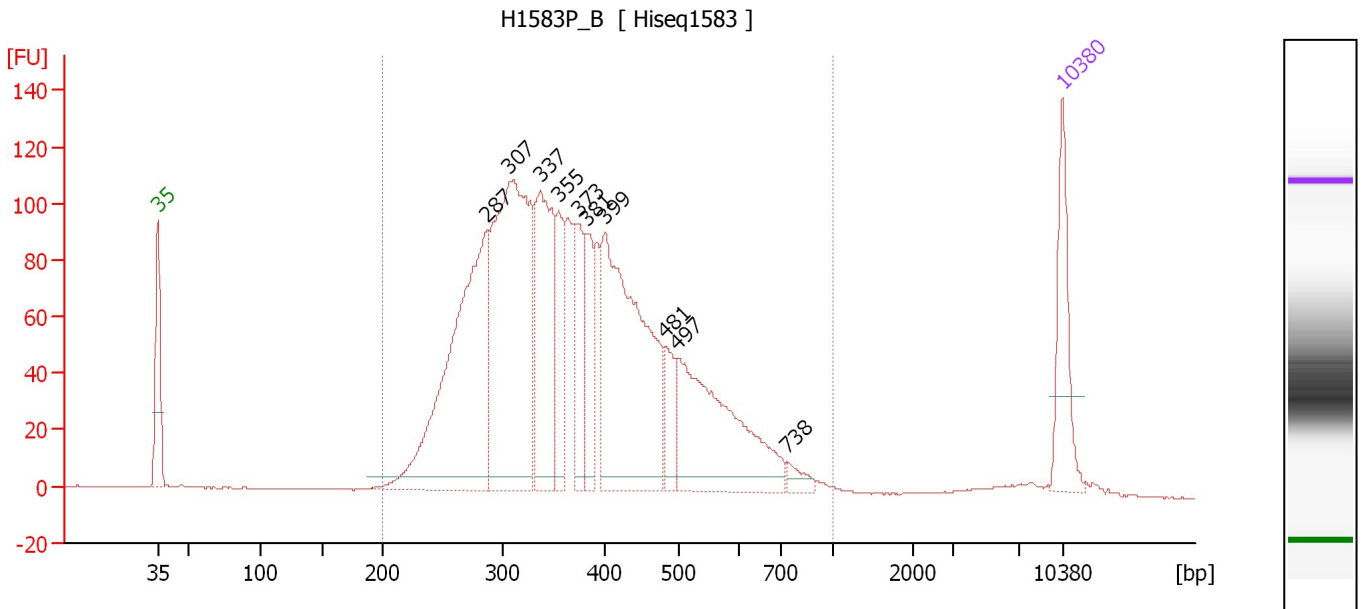
**Region table for sample 8 : H1583P A**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	400	2,790.71	3,537.0	11,747.4	98	30.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : H1583P B**

Number of peaks found: 10                      Corr. Area 1: 2,436.8  
 Noise: 0.2

**Peak table for sample 9 : H1583P B**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	287	462.94	2,445.1		68.45
3	307	498.44	2,459.2		70.23
4	337	227.62	1,024.7		72.58
5	355	84.75	361.8		74.05
6	373	83.84	340.4		75.51
7	381	73.72	293.1		76.14
8	399	389.00	1,475.7		77.61
9	481	50.63	159.5		82.27
10	497	259.78	792.7		83.16
11	738	15.34	31.5		91.69
12	10,380	75.00	10.9	Upper Marker	113.00

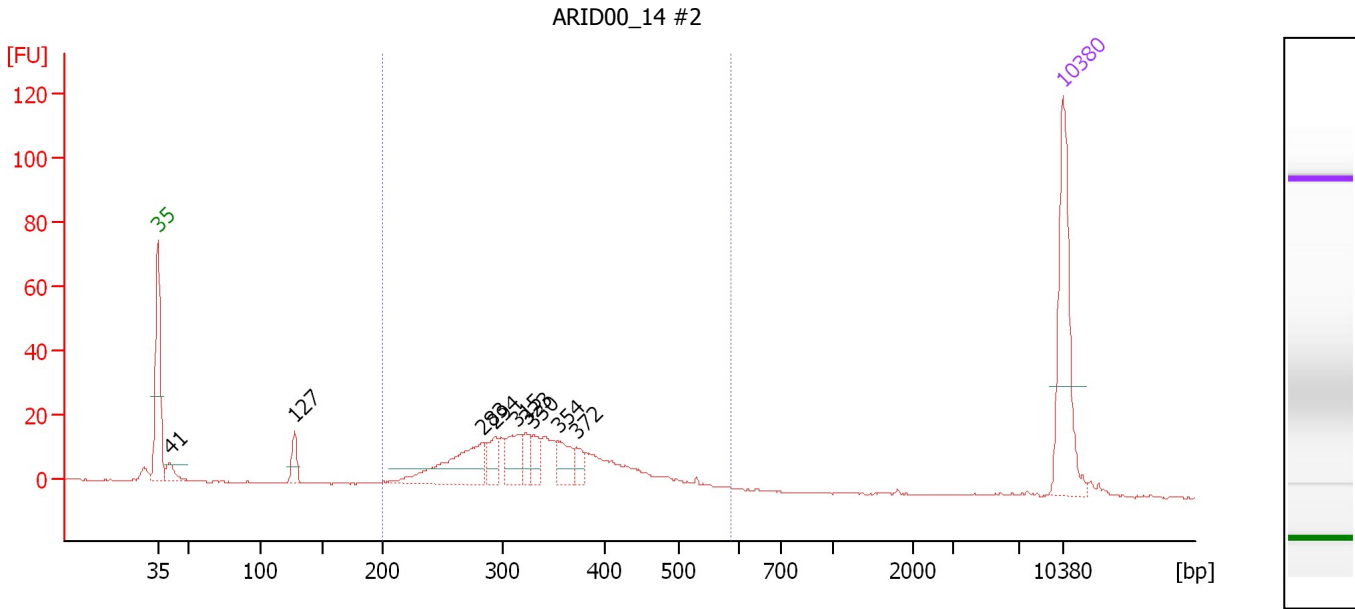
**Region table for sample 9 : H1583P B**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	386	2,327.28	2,436.7	10,082.8	98	29.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : ARID00\_14 #2**

Number of peaks found: 9                      Corr. Area 1: 293.0  
 Noise: 0.2

**Peak table for sample 10 : ARID00\_14 #2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	41	13.98	515.9		43.95
3	127	16.79	199.7		53.57
4	283	70.13	375.5		68.09
5	294	20.49	105.5		69.14
6	315	28.72	138.4		70.82
7	323	15.68	73.5		71.50
8	330	17.18	79.0		72.03
9	354	22.62	96.8		73.98
10	372	11.52	47.0		75.40
11	10,380	75.00	10.9	Upper Marker	113.00

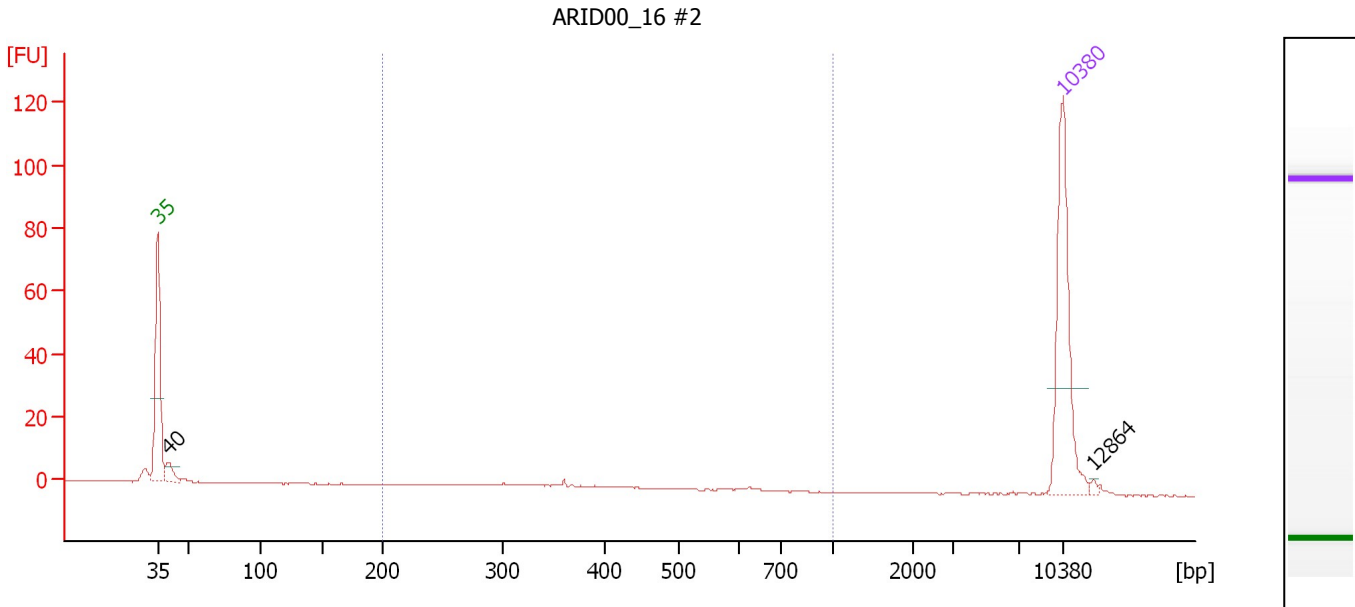
**Region table for sample 10 : ARID00\_14 #2**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	585	340	307.90	293.0	1,448.9	87	20.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
 Modified: 12/13/2018 12:15:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : ARID00\_16 #2**

Number of peaks found: 2                      Corr. Area 1: 11.4  
 Noise: 0.1

**Peak table for sample 11 : ARID00\_16 #2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	40	13.10	491.2		43.85
3	10,380	75.00	10.9	Upper Marker	113.00
4	12,864	0.00	0.0		115.43

**Region table for sample 11 : ARID00\_16 #2**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	361	11.00	11.4	50.4	29	27.8

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-13\2018-12-13\_001.xad

Created: 12/13/2018 11:33:43 AM  
Modified: 12/13/2018 12:15:00 PM

**Gel Image**

