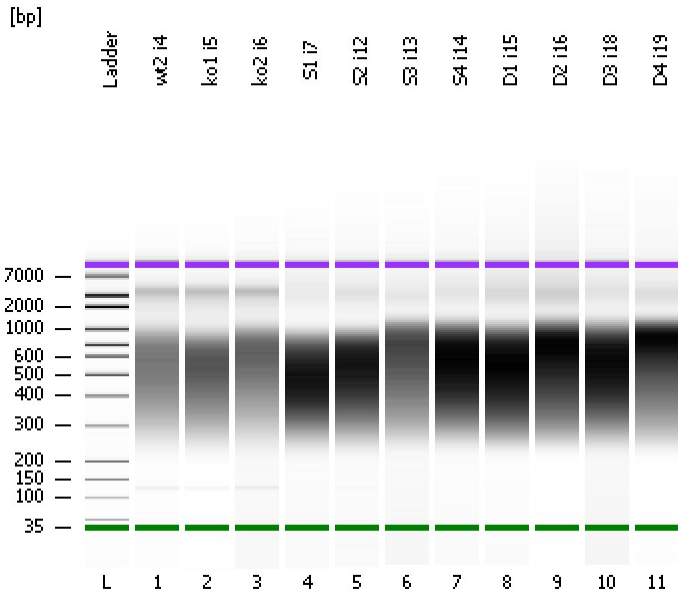


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
Modified: 10/28/2019 3:07:26 PM

### Electrophoresis File Run Summary



#### Instrument Information:

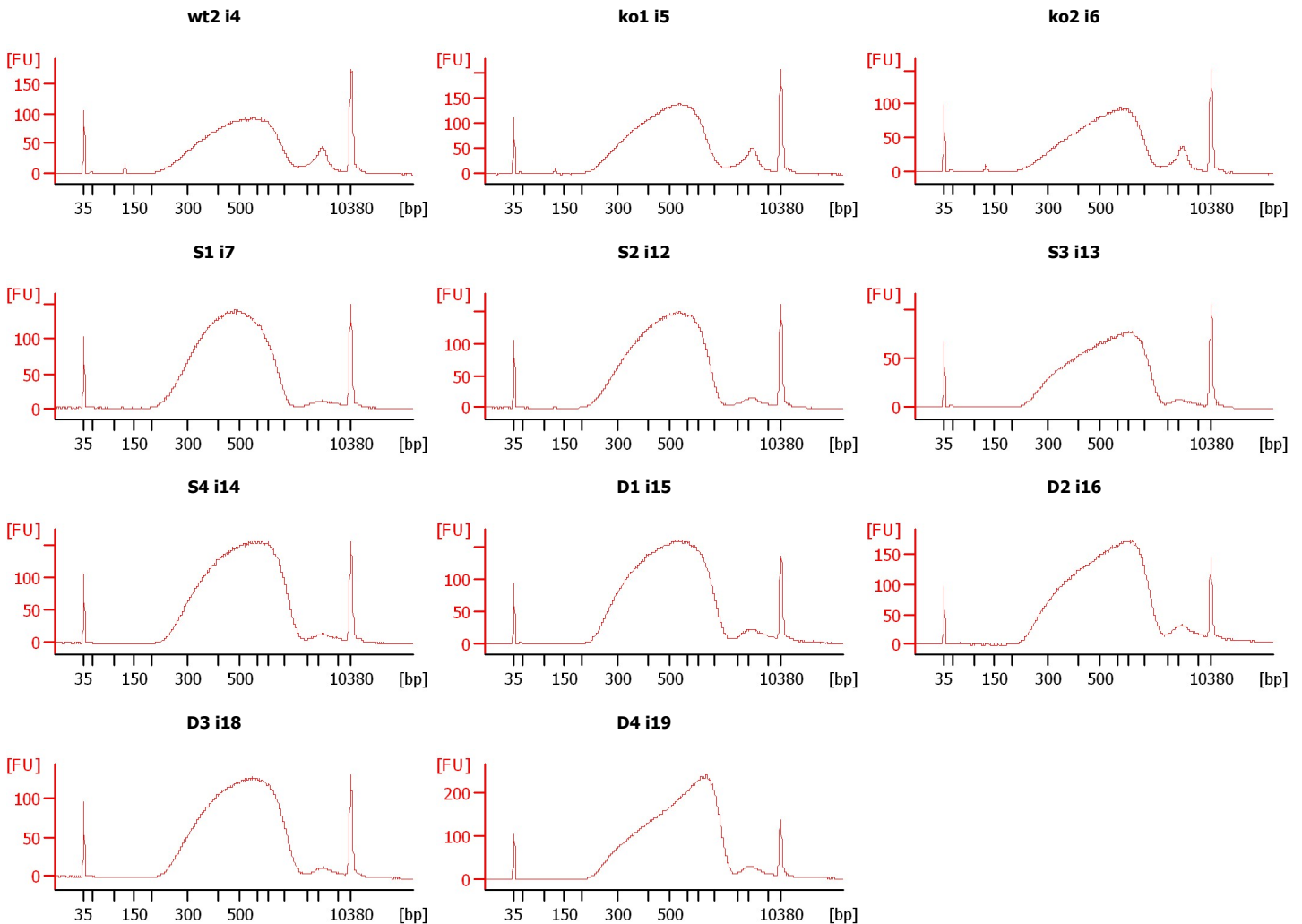
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

#### 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\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
Modified: 10/28/2019 3:07:26 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
wt2 i4		<input type="checkbox"/>	✓			
ko1 i5		<input type="checkbox"/>	✓			
ko2 i6		<input type="checkbox"/>	✓			
S1 i7		<input type="checkbox"/>	✓			
S2 i12		<input type="checkbox"/>	✓			
S3 i13		<input type="checkbox"/>	✓			
S4 i14		<input type="checkbox"/>	✓			
D1 i15		<input type="checkbox"/>	✓			
D2 i16		<input type="checkbox"/>	✓			
D3 i18		<input type="checkbox"/>	✓			
D4 i19		<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\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
Modified: 10/28/2019 3:07:26 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

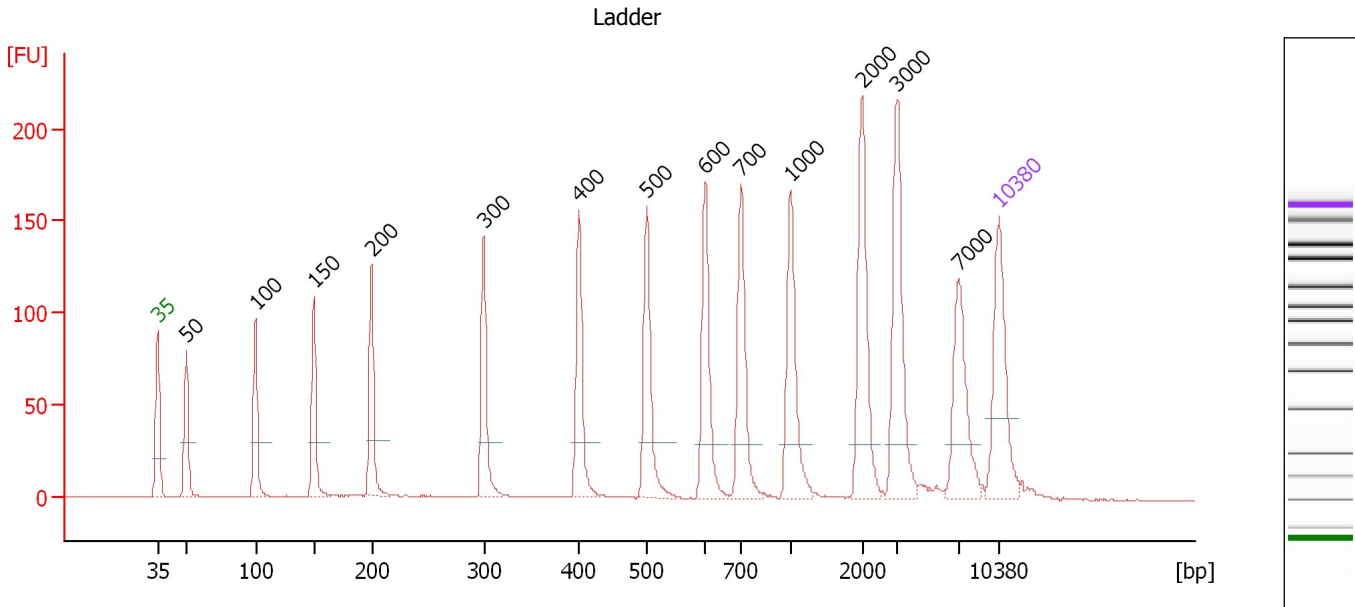
**Ladder**

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\2019-10-28\2019-10-28\_002.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

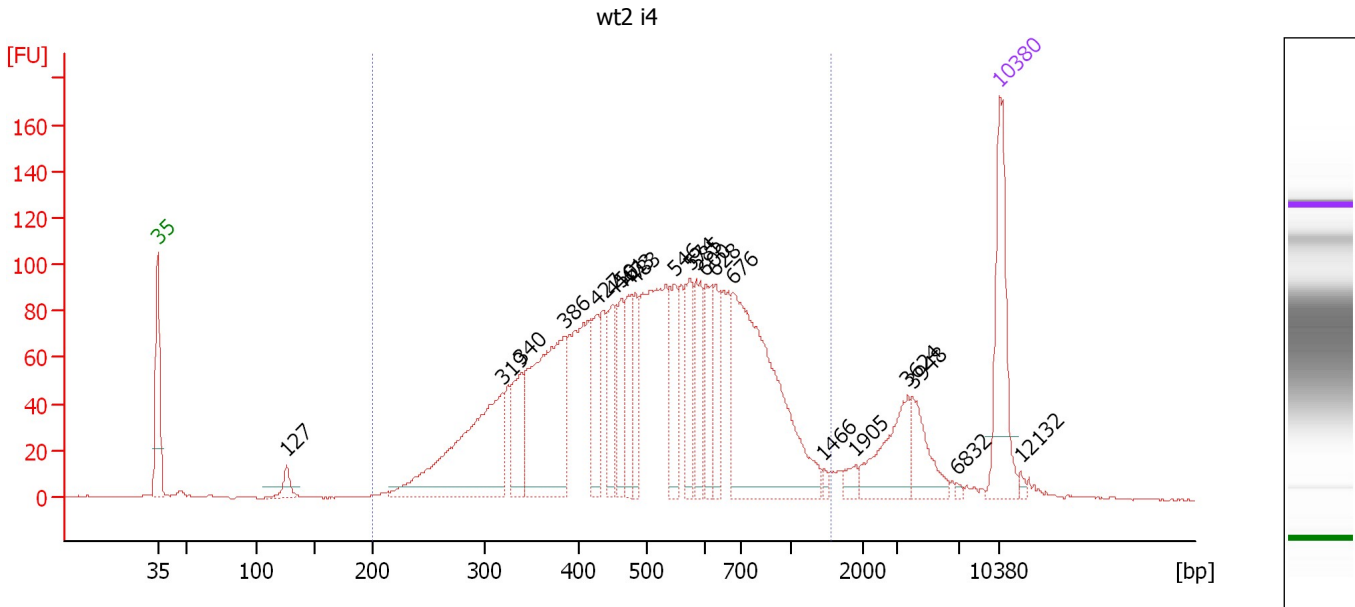
**Peak table for Ladder**

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	45.37
3	100	150.00	2,272.7	Ladder Peak	51.15
4	150	150.00	1,515.2	Ladder Peak	56.02
5	200	150.00	1,136.4	Ladder Peak	60.80
6	300	150.00	757.6	Ladder Peak	70.13
7	400	150.00	568.2	Ladder Peak	78.05
8	500	150.00	454.5	Ladder Peak	83.69
9	600	150.00	378.8	Ladder Peak	88.56
10	700	150.00	324.7	Ladder Peak	91.52
11	1,000	150.00	227.3	Ladder Peak	95.61
12	2,000	150.00	113.6	Ladder Peak	101.58
13	3,000	150.00	75.8	Ladder Peak	104.53
14	7,000	150.00	32.5	Ladder Peak	109.63
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : wt2 i4**

Number of peaks found: 21                      Corr. Area 1: 2,637.4  
 Noise: 0.3

**Peak table for sample 1 : wt2 i4**

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	127	17.82	213.1		53.75
3	319	206.79	981.0		71.66
4	340	55.10	245.8		73.27
5	386	190.79	749.9		76.90
6	427	47.58	168.9		79.56
7	450	52.02	175.3		80.85
8	461	43.96	144.5		81.49
9	473	44.53	142.6		82.18
10	483	41.29	129.5		82.73
11	546	48.82	135.4		85.95
12	574	50.77	134.1		87.28
13	585	49.59	128.4		87.83
14	600	45.19	114.1		88.56
15	628	36.60	88.3		89.39
16	676	258.63	579.5		90.81
17	1,466	4.02	4.2		98.39
18	1,905	8.64	6.9		101.01
19	3,624	52.25	21.8		105.33
20	3,948	34.47	13.2		105.74
21	6,832	1.89	0.4		109.42
22	10,380	75.00	10.9	Upper Marker	113.00
23	12,132	0.00	0.0		114.75

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**

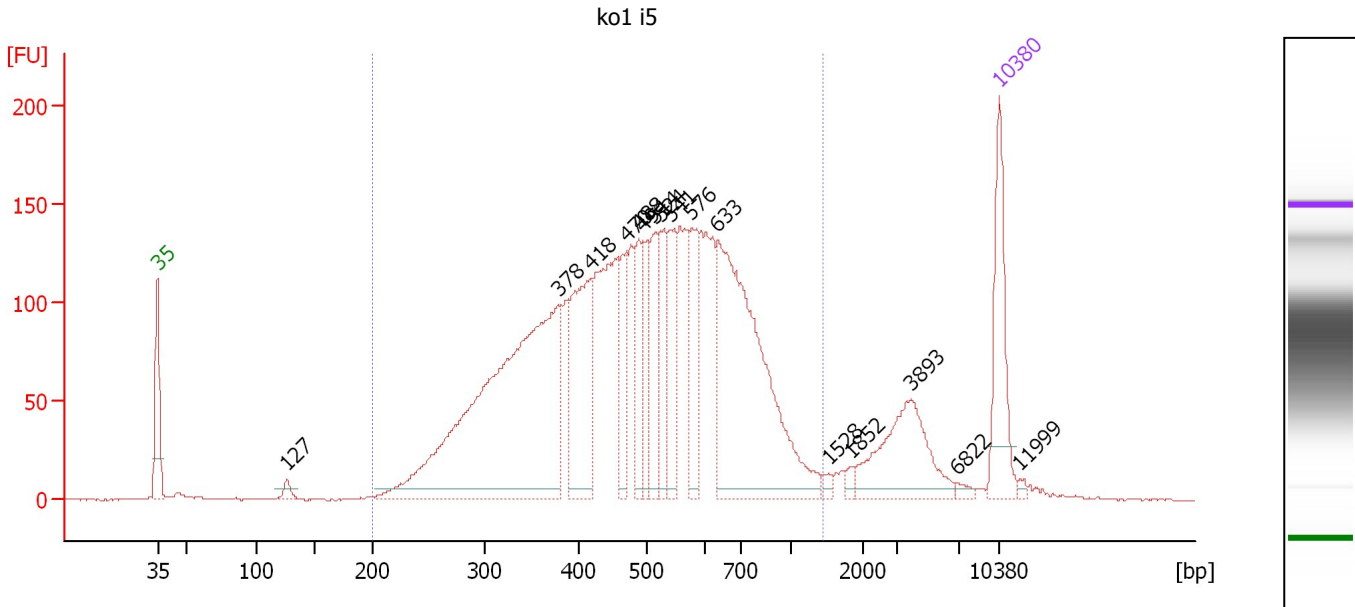
... Region table for sample 1 : wt2 i4

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,574	537	1,662.33	2,637.4	5,609.5	 90	38.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
 Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : ko1 i5**

Number of peaks found: 16                      Corr. Area 1: 3,701.0  
 Noise: 0.3

**Peak table for sample 2 : ko1 i5**

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	127	11.12	133.1		53.74
3	378	576.25	2,308.7		76.32
4	418	155.09	561.7		79.08
5	470	57.65	185.9		81.99
6	488	59.59	185.1		83.00
7	494	55.45	170.0		83.37
8	514	63.69	187.7		84.38
9	524	72.08	208.5		84.84
10	541	74.60	209.0		85.67
11	576	67.06	176.5		87.38
12	633	349.58	836.4		89.54
13	1,528	5.08	5.0		98.76
14	1,852	5.27	4.3		100.70
15	3,893	96.06	37.4		105.67
16	6,822	4.23	0.9		109.41
17	10,380	75.00	10.9	Upper Marker	113.00
18	11,999	0.00	0.0		114.61

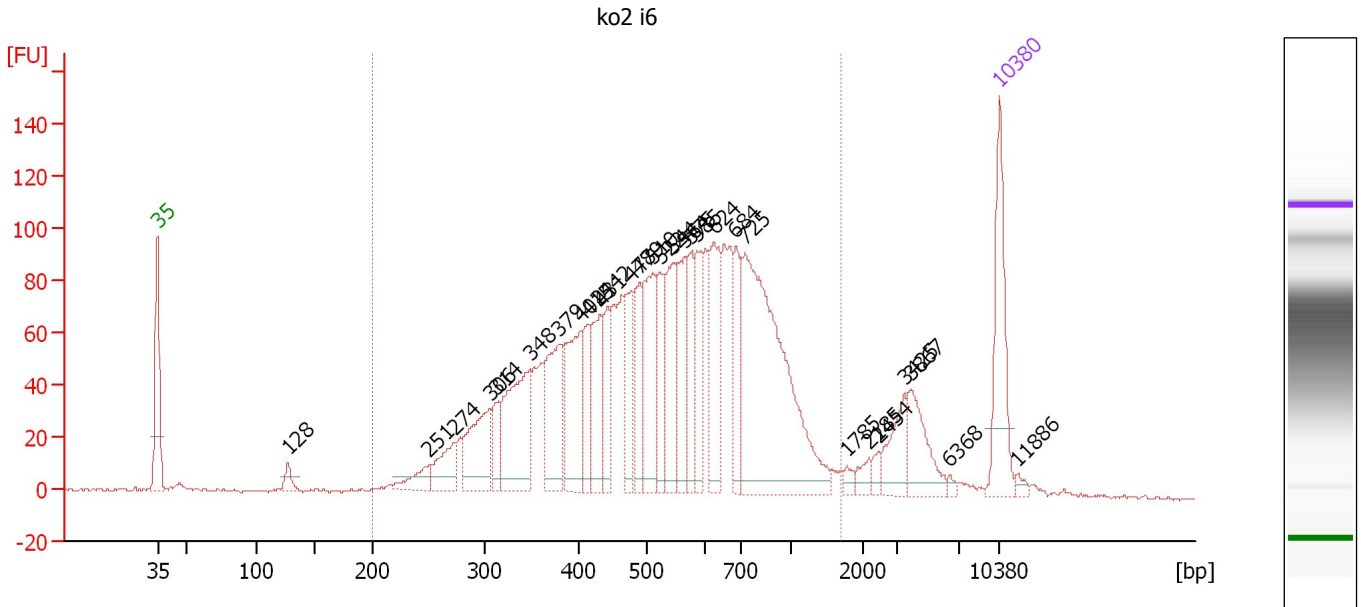
**Region table for sample 2 : ko1 i5**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,447	512	2,109.97	3,701.0	7,295.8	92	34.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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 Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : ko2 i6**

Number of peaks found: 29                      Corr. Area 1: 2,454.6  
 Noise: 0.4

**Peak table for sample 3 : ko2 i6**

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	128	15.11	179.4		53.83
3	251	26.69	160.8		65.60
4	274	42.37	234.6		67.66
5	306	87.92	435.1		70.62
6	314	29.58	142.5		71.27
7	348	131.68	573.0		73.94
8	379	90.74	362.8		76.38
9	402	97.54	367.6		78.16
10	415	45.79	167.3		78.87
11	431	70.49	247.7		79.81
12	442	45.62	156.4		80.41
13	477	52.57	167.0		82.38
14	489	53.76	166.7		83.04
15	510	101.53	301.8		84.17
16	522	50.77	147.3		84.77
17	544	74.05	206.1		85.85
18	564	58.43	157.1		86.79
19	575	54.98	144.8		87.35
20	585	50.89	131.8		87.82
21	624	86.14	209.1		89.28
22	684	54.22	120.0		91.06
23	725	328.61	687.0		91.85
24	1,785	5.73	4.9		100.29
25	2,185	10.18	7.1		102.12



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : ko2 i6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,454	6.80	4.2		102.92
27	3,425	34.22	15.1		105.08
28	3,867	47.43	18.6		105.64
29	6,368	3.20	0.8		108.83
30	10,380	75.00	10.9	Upper Marker	113.00
31	11,886	0.00	0.0		114.50

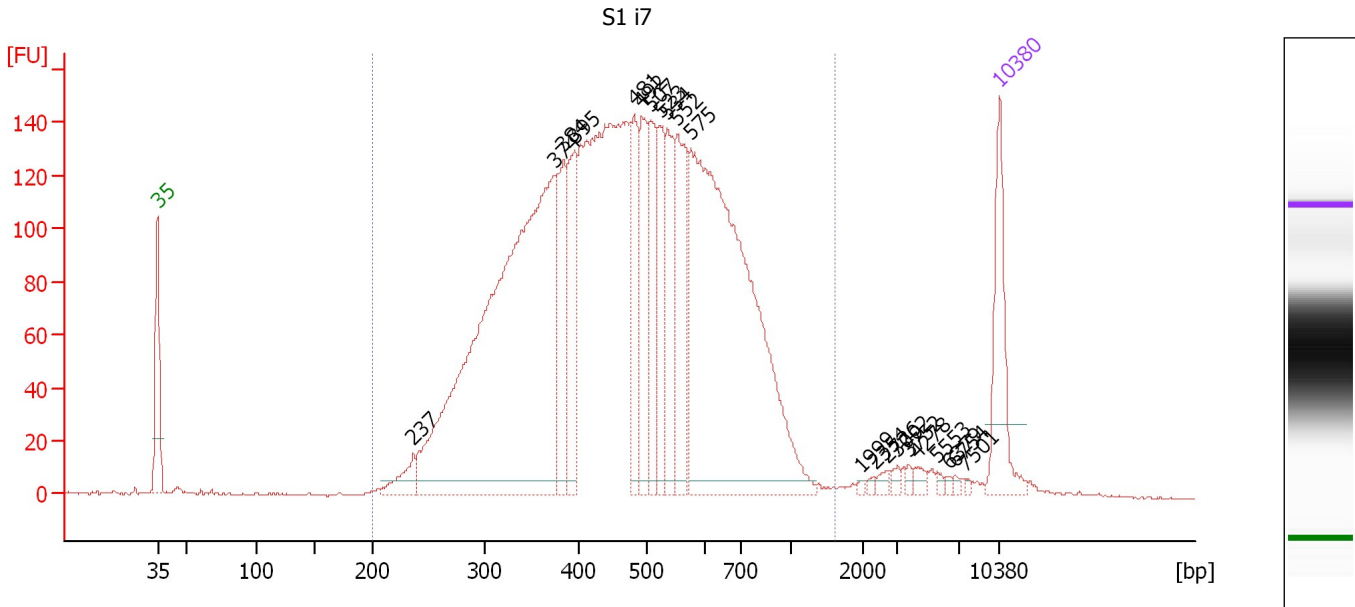
#### Region table for sample 3 : ko2 i6

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,712	565	2,022.01	2,454.6	6,553.6	91	40.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
 Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : S1 i7**

Number of peaks found: 21                      Corr. Area 1: 3,942.2  
 Noise: 0.4

**Peak table for sample 4 : S1 i7**

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	237	31.76	202.8		64.28
3	374	869.79	3,523.1		75.99
4	384	113.74	449.1		76.76
5	395	114.93	441.3		77.62
6	481	84.98	267.5		82.64
7	492	110.33	340.1		83.21
8	507	88.80	265.4		84.02
9	523	85.51	247.9		84.79
10	534	88.58	251.1		85.36
11	552	123.55	339.1		86.22
12	575	655.07	1,727.2		87.32
13	1,999	2.21	1.7		101.57
14	2,354	2.75	1.8		102.62
15	2,726	5.31	3.0		103.72
16	3,002	4.85	2.4		104.54
17	3,752	3.99	1.6		105.49
18	4,278	6.28	2.2		106.16
19	5,553	2.90	0.8		107.79
20	6,379	2.39	0.6		108.84
21	6,754	2.83	0.6		109.32
22	7,501	1.92	0.4		110.13
23	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**

... Region table for sample 4 :

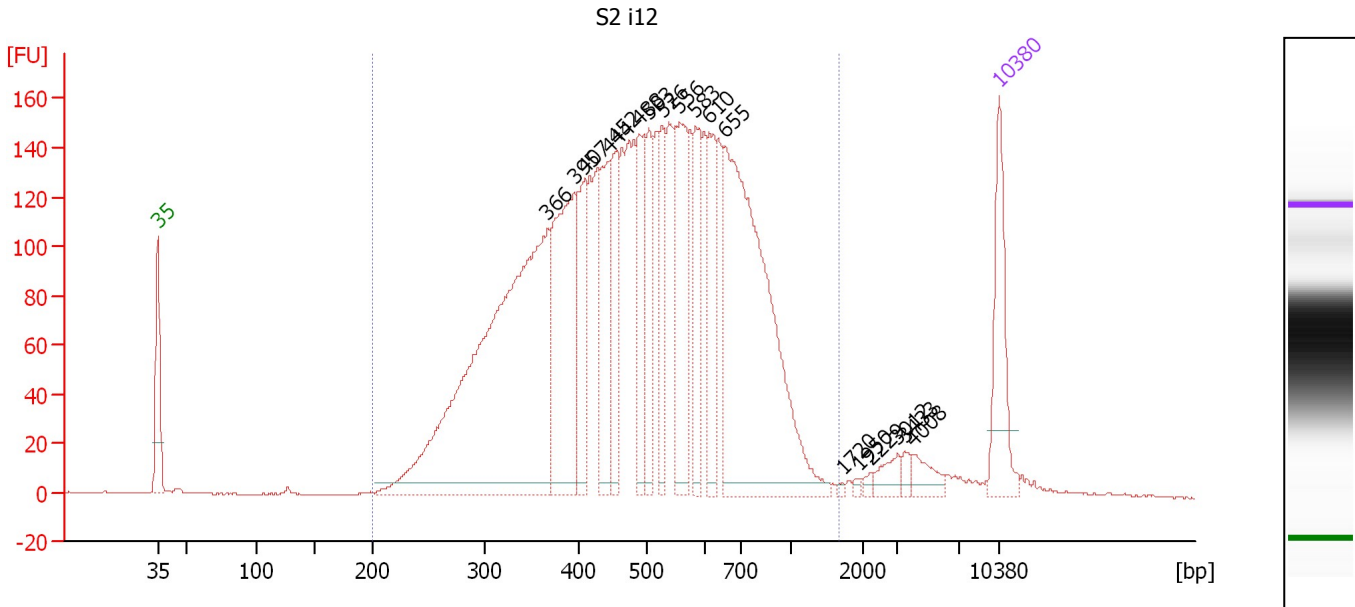
S1 i7

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,612	489	3,112.63	3,942.2	11,104.4	 97	33.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : S2 i12**

Number of peaks found: 18                      Corr. Area 1: 4,168.5  
 Noise: 0.2

**Peak table for sample 5 : S2 i12**

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	366	723.28	2,990.7		75.39
3	395	236.06	904.5		77.68
4	407	85.79	319.0		78.46
5	444	106.70	364.3		80.52
6	452	97.28	325.8		81.00
7	488	93.57	290.6		83.01
8	503	80.58	242.7		83.84
9	526	78.73	226.7		84.96
10	556	140.00	381.4		86.43
11	583	77.69	201.8		87.75
12	610	79.97	198.5		88.87
13	655	458.20	1,059.8		90.19
14	1,720	2.07	1.8		99.91
15	1,950	2.91	2.3		101.28
16	2,229	3.93	2.7		102.25
17	3,012	16.05	8.1		104.55
18	3,433	6.52	2.9		105.09
19	4,008	17.74	6.7		105.82
20	10,380	75.00	10.9	Upper Marker	113.00

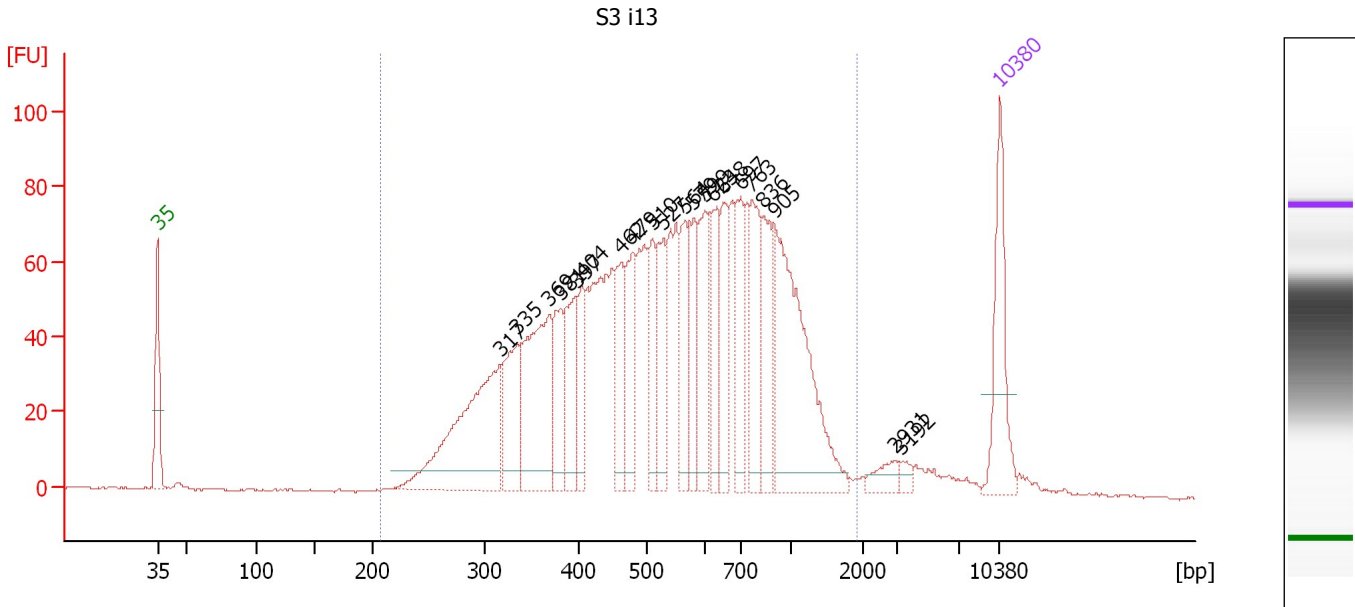
**Region table for sample 5 : S2 i12**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,670	516	2,964.18	4,168.5	10,187.4	96	35.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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 Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : S3 i13**

Number of peaks found: 21                      Corr. Area 1: 2,133.8  
 Noise: 0.3

**Peak table for sample 6 : S3 i13**

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	317	248.83	1,190.5		71.45
3	335	96.12	434.8		72.89
4	369	182.92	751.3		75.58
5	381	67.52	268.6		76.53
6	397	83.65	319.6		77.78
7	404	52.29	196.1		78.27
8	462	69.18	226.7		81.56
9	479	79.26	250.7		82.51
10	510	59.13	175.8		84.15
11	527	71.28	205.0		85.00
12	564	72.26	194.2		86.79
13	579	58.05	151.9		87.54
14	599	84.08	212.9		88.49
15	623	72.36	176.0		89.23
16	648	69.35	162.1		89.98
17	697	75.55	164.2		91.43
18	763	84.78	168.4		92.37
19	836	77.32	140.2		93.37
20	905	234.34	392.3		94.32
21	2,931	15.91	8.2		104.33
22	3,192	7.11	3.4		104.78
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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**Electropherogram Summary Continued ...**

... Region table for sample 6 :

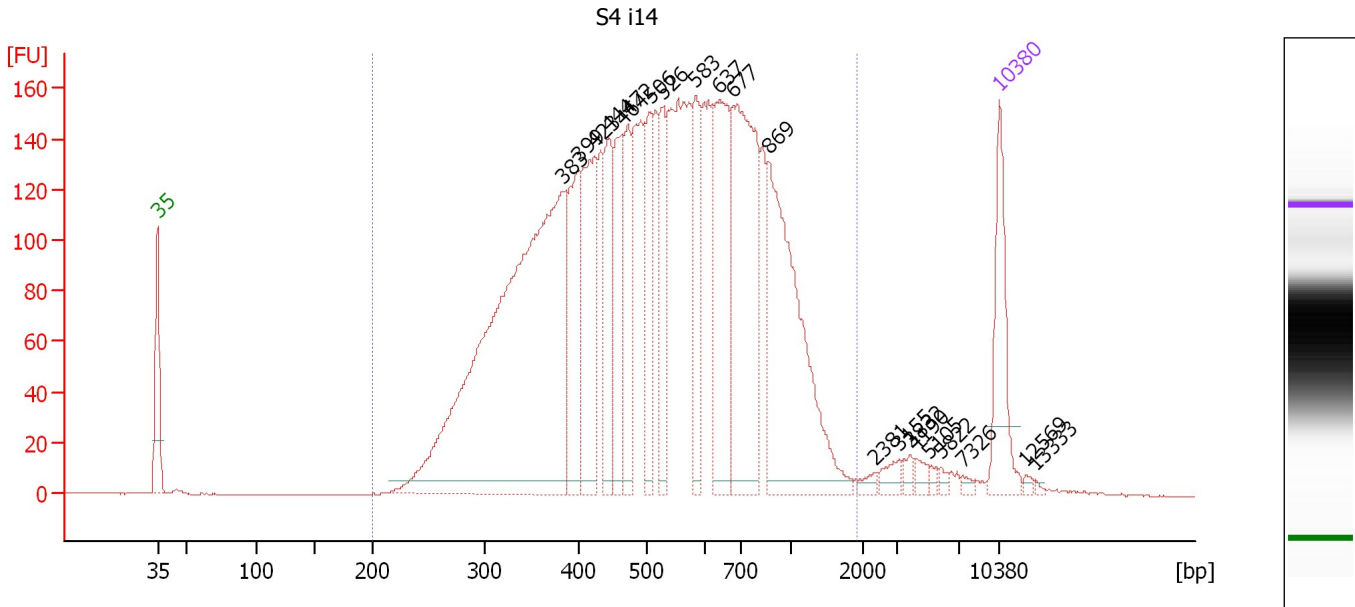
S3 i13

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
208	1,943	599	2,412.37	2,133.8	7,648.3	 96	44.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
 Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : S4 i14**

Number of peaks found: 21                      Corr. Area 1: 4,525.1  
 Noise: 0.2

**Peak table for sample 7 : S4 i14**

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	846.55	3,350.9		76.68
3	399	141.39	536.3		78.00
4	423	171.74	615.8		79.32
5	444	99.33	338.9		80.54
6	464	106.05	346.4		81.65
7	472	94.34	302.8		82.11
8	506	88.24	264.2		83.99
9	526	86.90	250.4		84.95
10	583	81.79	212.5		87.74
11	637	177.47	421.8		89.67
12	677	283.51	634.6		90.83
13	869	299.83	522.7		93.83
14	2,381	6.38	4.1		102.70
15	3,155	11.23	5.4		104.73
16	3,832	7.02	2.8		105.59
17	4,190	7.70	2.8		106.05
18	5,105	4.41	1.3		107.22
19	5,822	3.54	0.9		108.13
20	7,326	3.61	0.7		109.96
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,569	0.00	0.0		115.18
23	13,333	0.00	0.0		115.94

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**

... Region table for sample 7 :

S4 i14

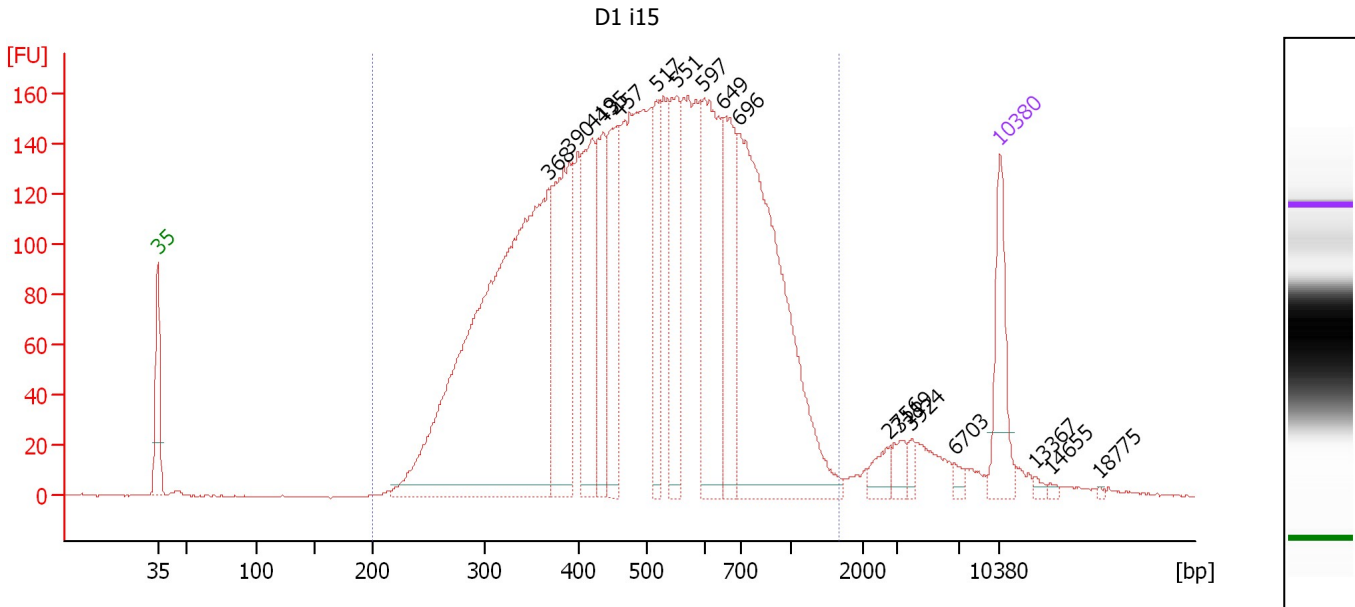
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co lor % of Total	Size distribution in CV [%]
200	1,922	566	3,335.71	4,525.1	10,885.5	 97	42.8



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : D1 i15**

Number of peaks found: 17                      Corr. Area 1: 4,690.9  
 Noise: 0.3

**Peak table for sample 8 : D1 i15**

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	368	1,001.13	4,118.3		75.54
3	390	265.35	1,031.7		77.23
4	419	185.56	670.7		79.13
5	435	133.37	464.9		80.00
6	457	165.50	548.2		81.28
7	517	111.51	326.8		84.52
8	551	153.02	421.0		86.16
9	597	251.14	637.3		88.42
10	649	161.55	377.2		90.01
11	696	571.23	1,243.8		91.39
12	2,756	19.70	10.8		103.81
13	3,119	19.21	9.3		104.69
14	3,924	9.20	3.6		105.71
15	6,703	6.64	1.5		109.25
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,367	0.00	0.0		115.98
18	14,655	0.00	0.0		117.26
19	18,775	0.00	0.0		121.37

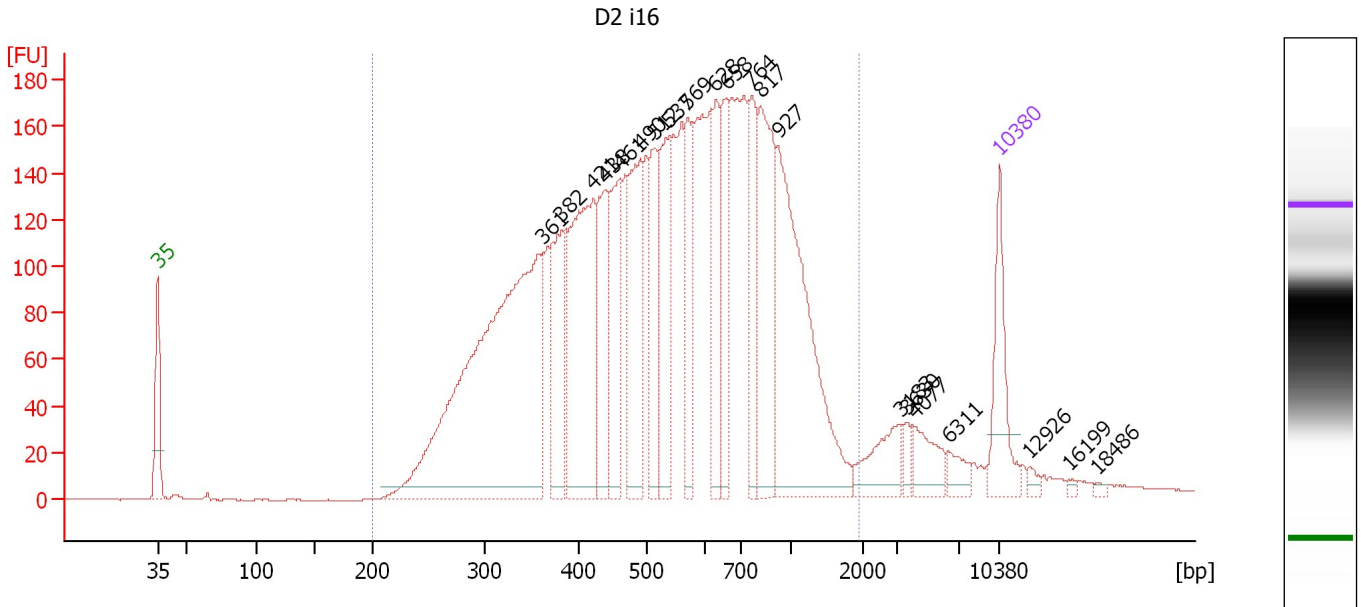
**Region table for sample 8 : D1 i15**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,683	532	3,927.22	4,690.9	13,428.8	95	39.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : D2 i16**

Number of peaks found: 21                      Corr. Area 1: 4,836.4  
 Noise: 0.2

**Peak table for sample 9 : D2 i16**

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	361	812.95	3,413.4		74.95
3	382	162.56	645.1		76.60
4	421	328.77	1,182.6		79.24
5	438	148.48	513.9		80.17
6	461	128.68	423.2		81.47
7	490	177.63	549.2		83.13
8	512	121.07	358.4		84.26
9	537	134.22	378.5		85.51
10	569	97.82	260.4		87.06
11	628	105.42	254.3		89.39
12	658	106.86	246.1		90.27
13	764	103.11	204.4		92.39
14	817	202.60	375.6		93.12
15	927	350.66	573.0		94.62
16	3,183	52.80	25.1		104.77
17	3,630	14.41	6.0		105.34
18	4,077	39.93	14.8		105.91
19	6,311	19.17	4.6		108.75
20	10,380	75.00	10.9	Upper Marker	113.00
21	12,926	0.00	0.0		115.54
22	16,199	0.00	0.0		118.80
23	18,486	0.00	0.0		121.08

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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Modified: 10/28/2019 3:07:26 PM

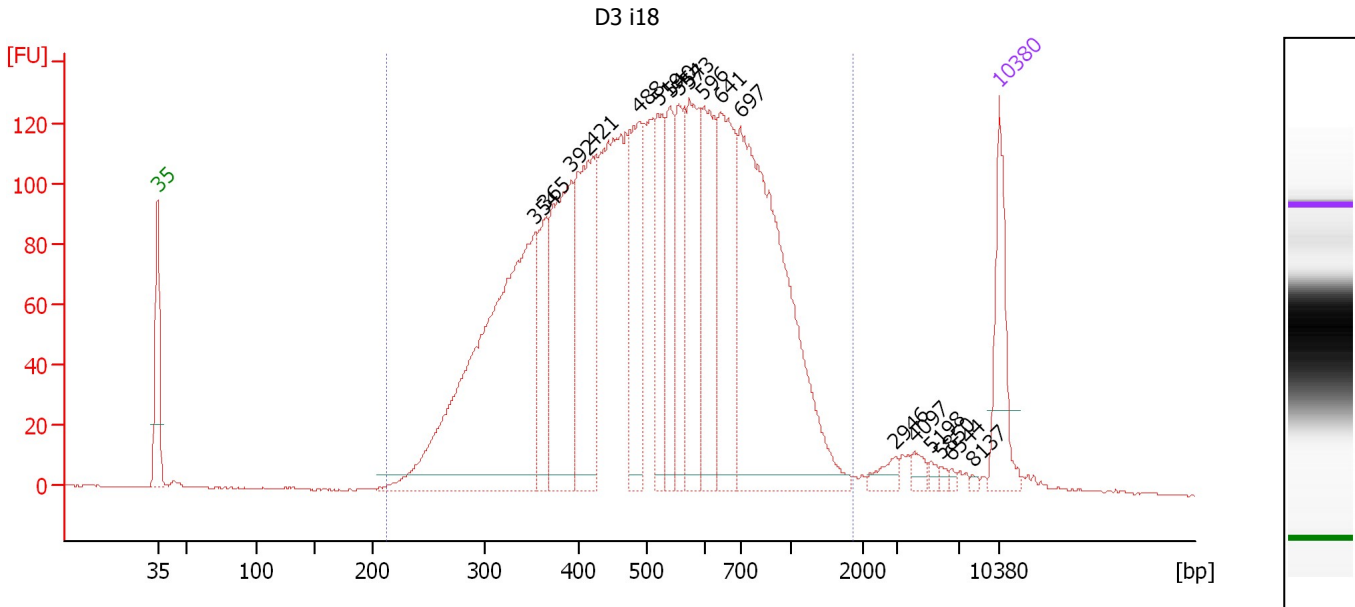
**Electropherogram Summary Continued ...****... Region table for sample 9 : D2 i16**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,948	592	3,944.68	4,836.4	12,741.6	 93	46.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : D3 i18**

Number of peaks found: 18                      Corr. Area 1: 3,616.5  
 Noise: 0.3

**Peak table for sample 10 : D3 i18**

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	354	651.91	2,786.5		74.44
3	365	101.46	421.2		75.27
4	392	247.31	956.2		77.40
5	421	230.99	831.6		79.22
6	488	148.21	460.1		83.01
7	519	125.60	366.5		84.63
8	540	102.86	288.9		85.61
9	554	108.02	295.2		86.34
10	573	171.88	454.8		87.22
11	596	150.78	383.3		88.37
12	641	196.55	464.6		89.77
13	697	557.48	1,211.6		91.43
14	2,946	13.97	7.2		104.37
15	4,097	10.64	3.9		105.93
16	5,198	5.17	1.5		107.34
17	5,850	3.59	0.9		108.17
18	6,544	2.95	0.7		109.05
19	8,137	2.34	0.4		110.77
20	10,380	75.00	10.9	Upper Marker	113.00

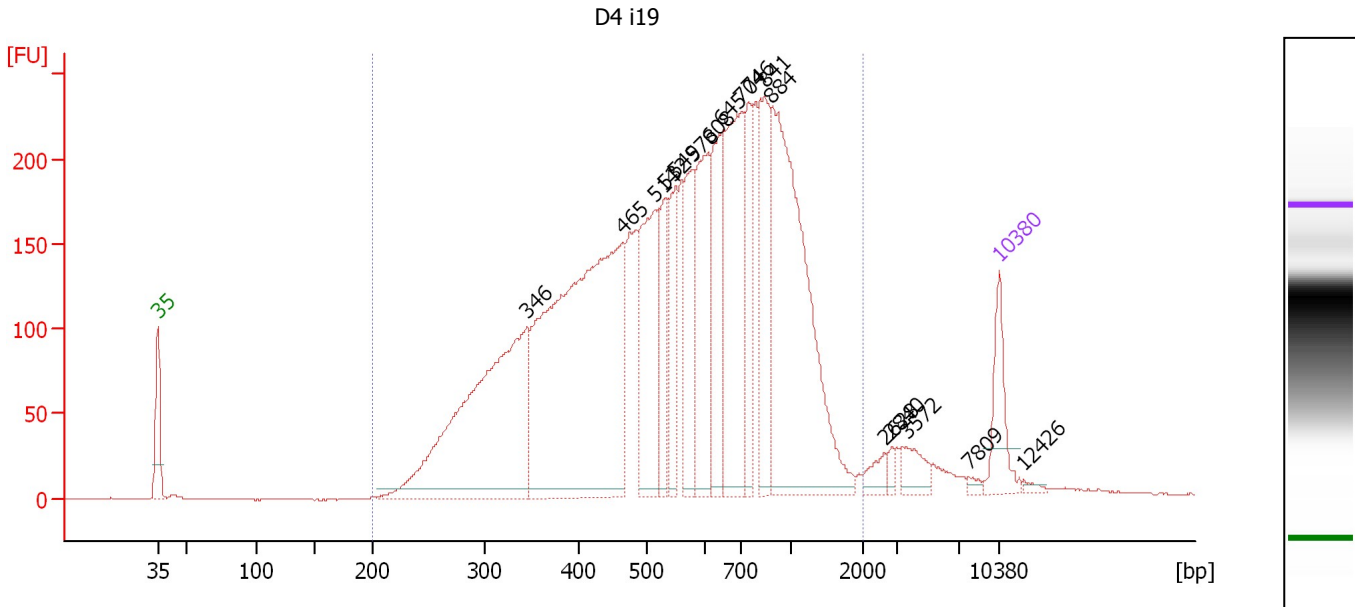
**Region table for sample 10 : D3 i18**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
213	1,878	555	3,335.30	3,616.5	11,027.2	97	41.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

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 Modified: 10/28/2019 3:07:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : D4 i19**

Number of peaks found: 17                      Corr. Area 1: 5,728.6  
 Noise: 0.3

**Peak table for sample 11 : D4 i19**

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	346	737.14	3,231.5		73.74
3	465	1,073.73	3,495.4		81.74
4	514	269.21	794.2		84.35
5	532	116.00	330.5		85.24
6	549	134.86	372.2		86.08
7	578	164.91	432.3		87.49
8	608	222.16	553.6		88.80
9	645	185.67	436.1		89.89
10	704	363.98	783.9		91.57
11	746	137.31	279.0		92.14
12	841	201.56	363.0		93.45
13	884	640.07	1,097.7		94.02
14	2,628	22.81	13.2		103.43
15	2,840	11.14	5.9		104.06
16	3,572	38.45	16.3		105.26
17	7,809	7.47	1.4		110.44
18	10,380	75.00	10.9	Upper Marker	113.00
19	12,426	0.00	0.0		115.04

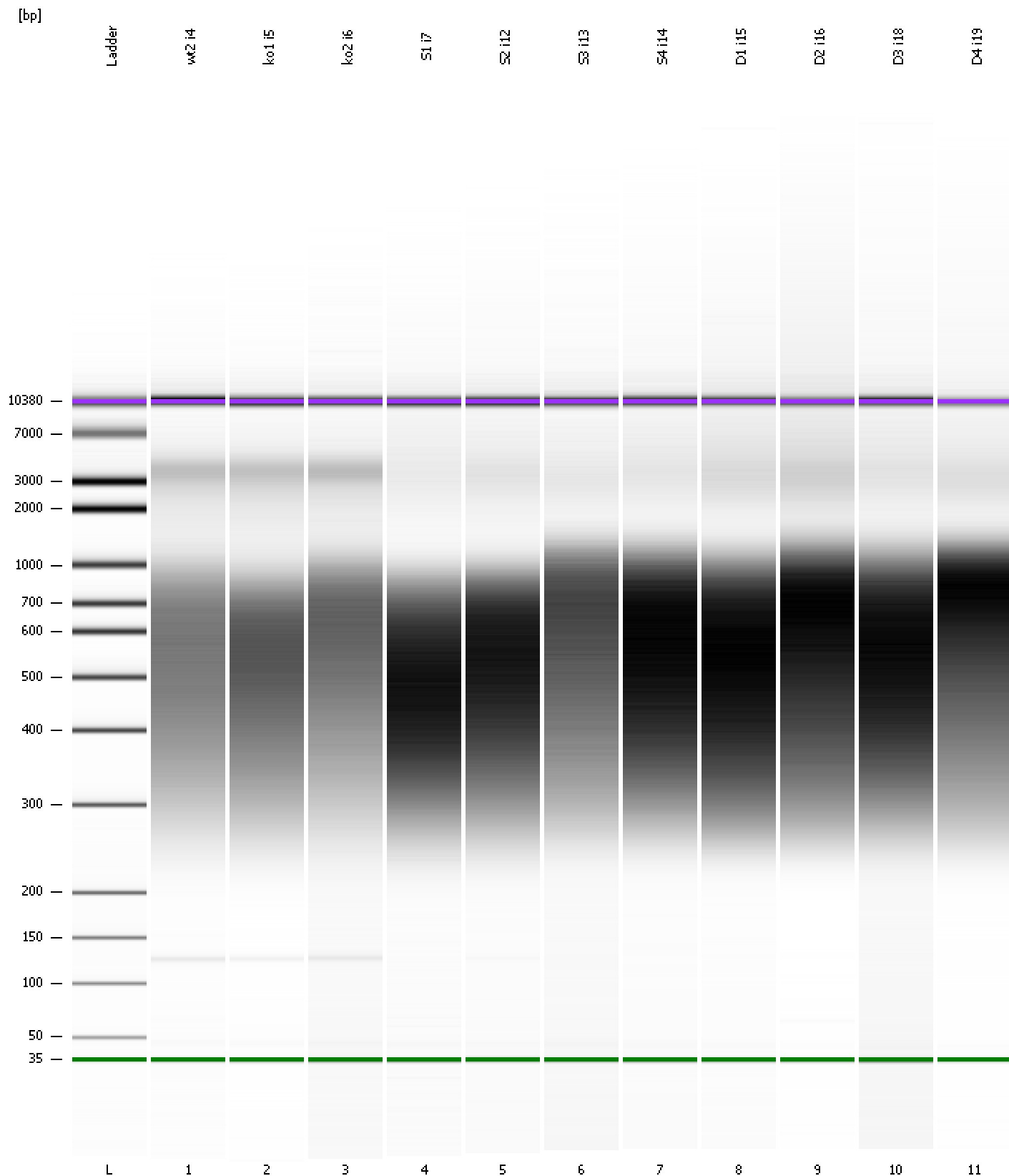
**Region table for sample 11 : D4 i19**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	2,003	625	4,822.26	5,728.6	14,961.9	95	46.0

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
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**Gel Image**

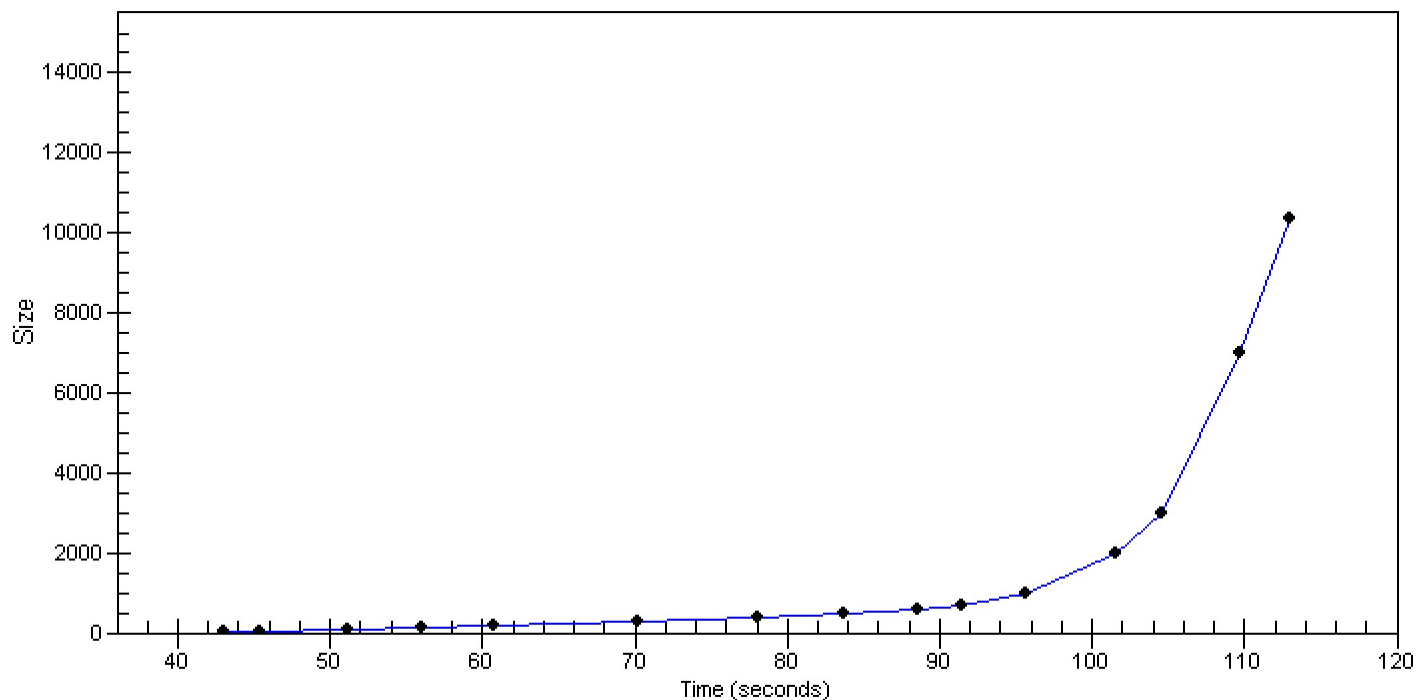


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
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**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-28\2019-10-28\_002.xad

Created: 10/28/2019 2:25:41 PM  
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**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		10/28/2019 3:06:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-10-28\2019-10-28_002.xad)		Instrument	Run		10/28/2019 2:25:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/28/2019 2:25:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/28/2019 2:25:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/28/2019 2:25:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/28/2019 2:25:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/28/2019 2:25:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/28/2019 2:25:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1