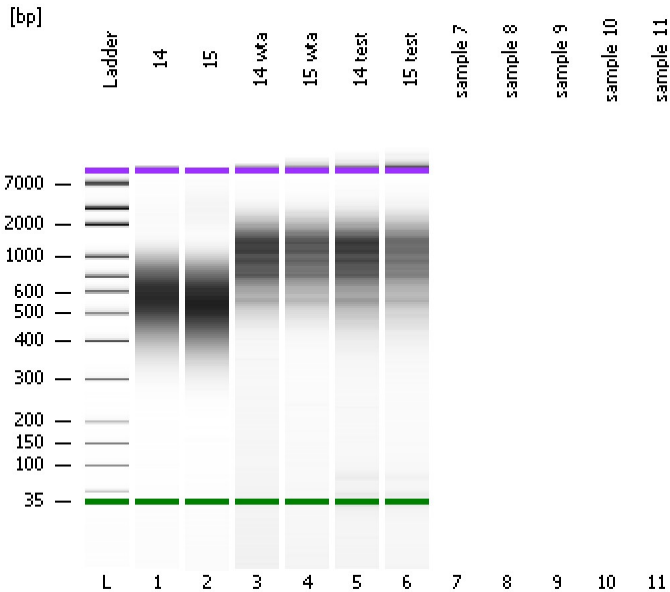


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
Modified: 2/12/2018 1:05:45 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

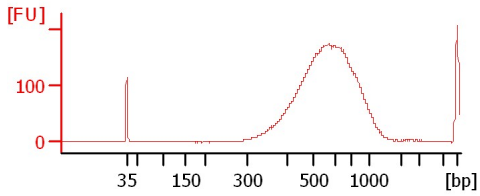
Assay Information:

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

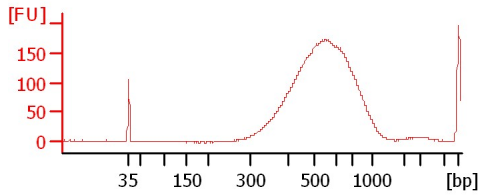
Chip Information:

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

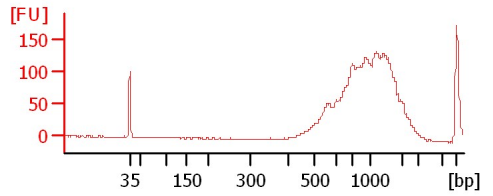
**14**



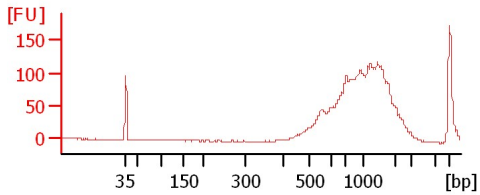
**15**



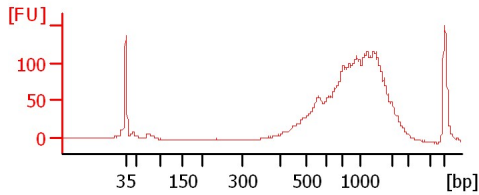
**14 wta**



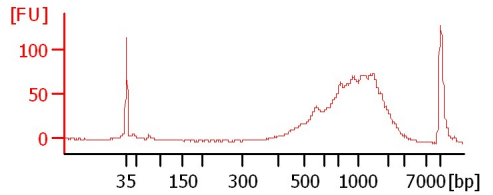
**15 wta**



**14 test**



**15 test**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
 Modified: 2/12/2018 1:05:45 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
14		<input type="checkbox"/>	✓			
15		<input type="checkbox"/>	✓			
14 wta		<input type="checkbox"/>	✓			
15 wta		<input type="checkbox"/>	✓			
14 test		<input type="checkbox"/>	✓			
15 test		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

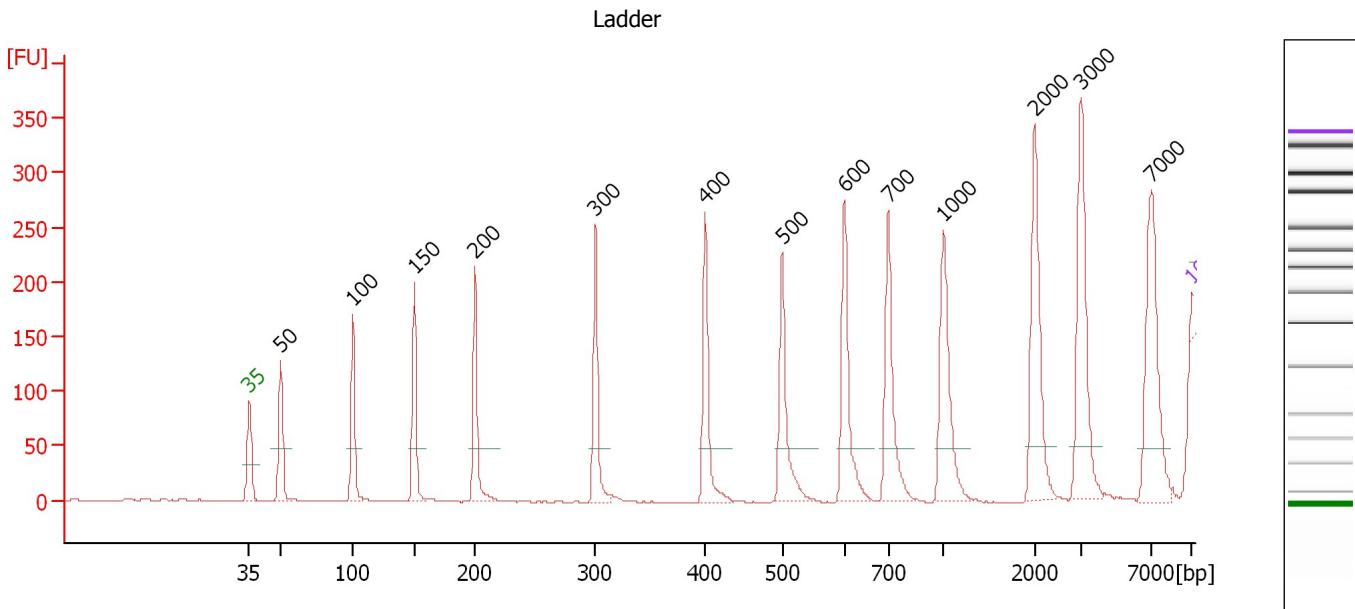
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
 Modified: 2/12/2018 1:05:45 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.4

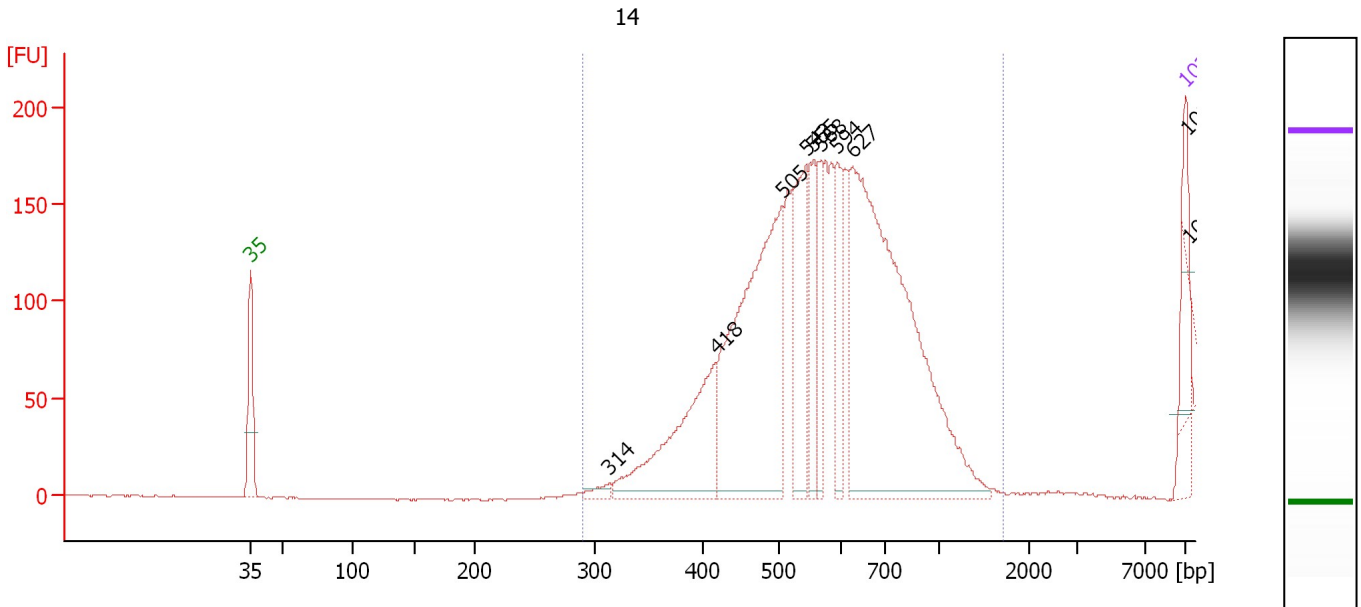
**Peak table for Ladder**

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	50.69
4	150	150.00	1,515.2	Ladder Peak	55.24
5	200	150.00	1,136.4	Ladder Peak	59.76
6	300	150.00	757.6	Ladder Peak	68.71
7	400	150.00	568.2	Ladder Peak	76.87
8	500	150.00	454.5	Ladder Peak	82.58
9	600	150.00	378.8	Ladder Peak	87.21
10	700	150.00	324.7	Ladder Peak	90.46
11	1,000	150.00	227.3	Ladder Peak	94.54
12	2,000	150.00	113.6	Ladder Peak	101.31
13	3,000	150.00	75.8	Ladder Peak	104.80
14	7,000	150.00	32.5	Ladder Peak	110.03
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 14**

Number of peaks found: 10                      Corr. Area 1: 404.1  
 Noise: 0.4

**Peak table for sample 1 : 14**

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	314	16.26	78.4		69.86
3	418	272.02	985.1		77.92
4	505	552.09	1,657.7		82.79
5	543	159.92	445.9		84.58
6	555	94.37	257.4		85.14
7	568	80.68	215.1		85.74
8	594	106.10	270.6		86.94
9	627	764.87	1,847.5		88.10
10	10,380	75.00	10.9	Upper Marker	113.00
11	10,516	0.00	0.0		113.12
12	10,698	0.00	0.0		113.28

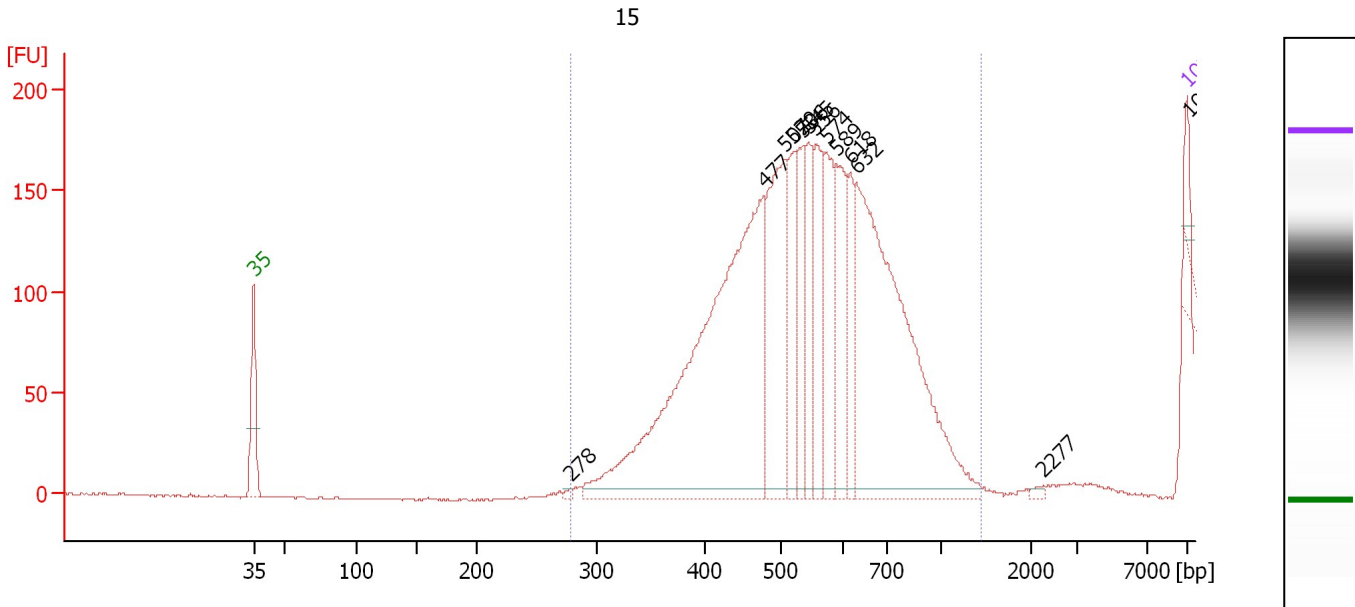
**Region table for sample 1 : 14**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
290	1,706	568	404.1	300.69	809.6	100	9.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

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 Modified: 2/12/2018 1:05:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 15**

Number of peaks found: 14                      Corr. Area 1: 374.9  
 Noise: 0.6

**Peak table for sample 2 : 15**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		3.24
2	35	125.00	5,411.3	Lower Marker	43.00
3	278	11.88	64.7		66.76
4	477	2,413.07	7,660.3		81.28
5	507	689.64	2,059.2		82.92
6	520	304.75	887.3		83.52
7	536	267.68	756.8		84.24
8	545	266.36	741.1		84.64
9	556	328.50	895.6		85.16
10	574	344.47	909.5		86.00
11	589	356.66	916.8		86.72
12	618	193.50	474.3		87.80
13	632	1,636.95	3,926.3		88.24
14	2,277	10.84	7.2		102.28
15	10,380	75.00	10.9	Upper Marker	113.00
16	10,517	0.00	0.0		113.12

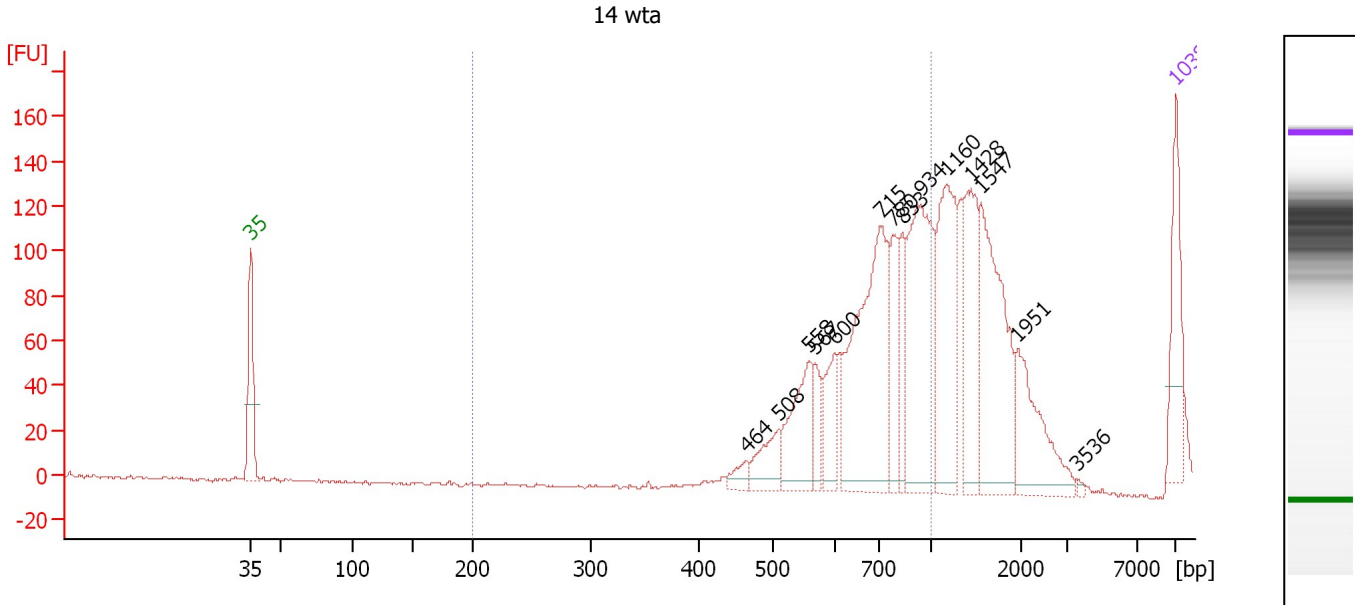
**Region table for sample 2 : 15**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
278	1,457	537	374.9	782.23	2,230.1	100	9.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 14 wta**

Number of peaks found: 14                      Corr. Area 1: 781.1  
 Noise: 0.7

**Peak table for sample 3 : 14 wta**

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	464	19.72	64.4		80.50
3	508	53.07	158.2		82.96
4	558	110.75	300.8		85.26
5	567	33.90	90.5		85.70
6	600	64.69	163.4		87.19
7	715	320.27	678.8		90.66
8	780	73.60	142.9		91.55
9	833	54.92	99.8		92.27
10	934	233.49	378.7		93.65
11	1,160	175.22	228.9		95.62
12	1,428	114.87	121.9		97.44
13	1,547	199.43	195.4		98.24
14	1,951	104.02	80.8		100.98
15	3,536	3.03	1.3		105.50
16	10,380	75.00	10.9	Upper Marker	113.00

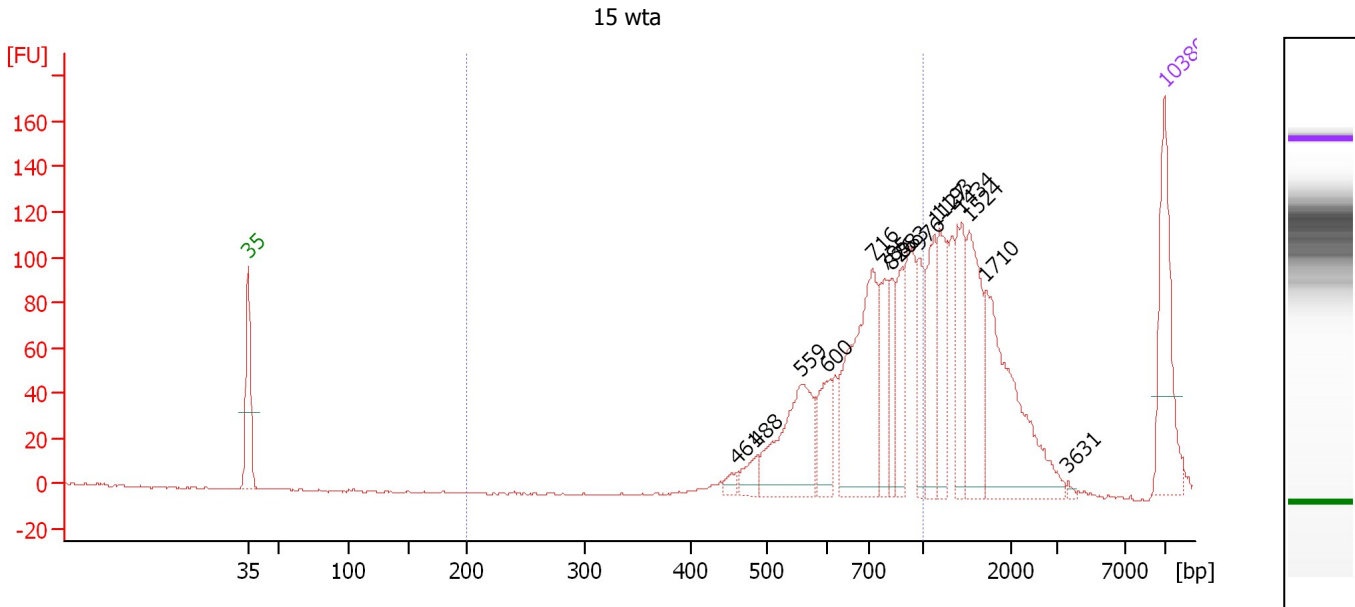
**Region table for sample 3 : 14 wta**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	751	781.1	648.52	1,359.7	54	18.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 15 wta**

Number of peaks found: 15                      Corr. Area 1: 838.4  
 Noise: 0.4

**Peak table for sample 4 : 15 wta**

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	461	8.59	28.2		80.36
3	488	19.68	61.1		81.87
4	559	112.13	304.1		85.29
5	600	42.73	107.9		87.21
6	716	166.20	351.9		90.67
7	785	47.77	92.3		91.61
8	826	33.95	62.2		92.18
9	883	44.40	76.1		92.95
10	976	36.29	56.3		94.22
11	1,127	57.53	77.4		95.40
12	1,193	57.37	72.9		95.85
13	1,434	55.89	59.1		97.48
14	1,524	80.47	80.0		98.09
15	1,710	136.81	121.2		99.35
16	3,631	2.08	0.9		105.63
17	10,380	75.00	10.9	Upper Marker	113.00

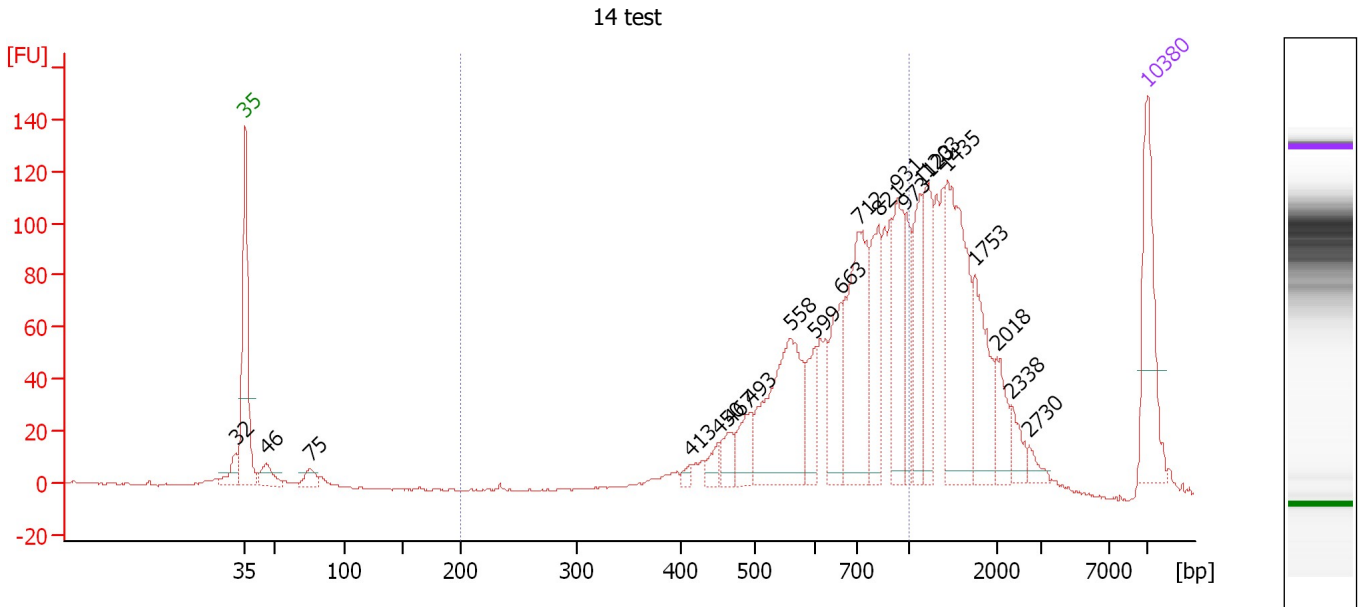
**Region table for sample 4 : 15 wta**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	732	838.4	509.39	1,105.6	54	19.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

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 Modified: 2/12/2018 1:05:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 14 test**

Number of peaks found: 21                      Corr. Area 1: 1,100.4  
 Noise: 0.3

**Peak table for sample 5 : 14 test**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.26
2	35	125.00	5,411.3	Lower Marker	43.00
3	46	26.92	894.1		44.65
4	75	17.00	343.6		48.01
5	413	6.08	22.3		77.59
6	450	15.24	51.4		79.70
7	467	20.39	66.2		80.69
8	493	34.08	104.7		82.18
9	558	152.32	413.3		85.28
10	599	36.18	91.5		87.18
11	663	59.92	137.0		89.25
12	712	150.80	321.0		90.62
13	821	70.70	130.4		92.11
14	931	73.63	119.9		93.60
15	973	41.80	65.1		94.18
16	1,123	57.17	77.1		95.38
17	1,203	62.74	79.0		95.91
18	1,435	140.62	148.5		97.49
19	1,753	64.75	56.0		99.64
20	2,018	28.89	21.7		101.37
21	2,338	15.73	10.2		102.49
22	2,730	7.84	4.4		103.86
23	10,380	75.00	10.9	Upper Marker	113.00




Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
Modified: 2/12/2018 1:05:45 PM

**Electropherogram Summary Continued ...**

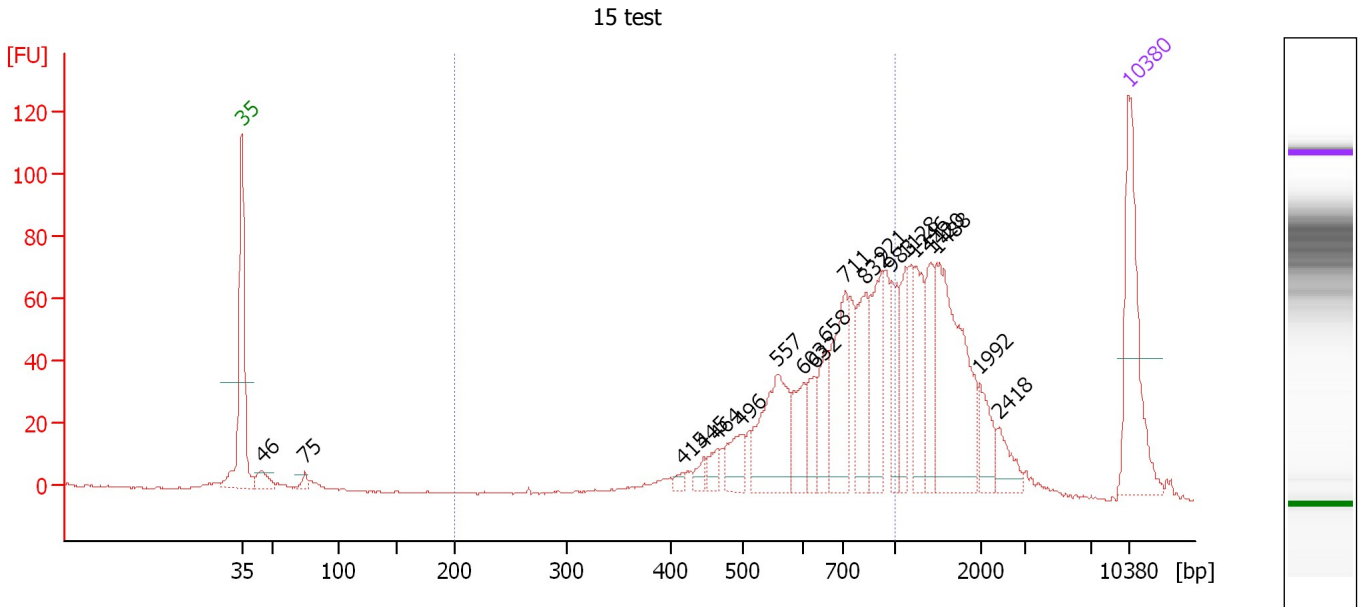
... Region table for sample 5 : 14 test

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	696	1,100.4	783.56	1,834.3	 57	23.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
 Modified: 2/12/2018 1:05:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 15 test**

Number of peaks found: 20                      Corr. Area 1: 721.4  
 Noise: 0.3

**Peak table for sample 6 : 15 test**


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	46	16.27	541.5		44.64
3	75	7.50	152.4		47.97
4	415	4.71	17.2		77.73
5	445	8.64	29.4		79.45
6	464	10.94	35.7		80.55
7	496	26.84	82.0		82.36
8	557	81.70	222.2		85.22
9	603	31.94	80.2		87.32
10	632	23.68	56.8		88.25
11	658	31.76	73.1		89.09
12	711	67.47	143.8		90.61
13	832	49.55	90.3		92.25
14	921	52.63	86.6		93.47
15	983	33.08	51.0		94.31
16	1,128	29.60	39.8		95.41
17	1,246	39.07	47.5		96.21
18	1,420	34.58	36.9		97.38
19	1,488	120.56	122.7		97.85
20	1,992	22.35	17.0		101.26
21	2,418	16.85	10.6		102.77
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
Modified: 2/12/2018 1:05:45 PM

**Electropherogram Summary Continued ...**

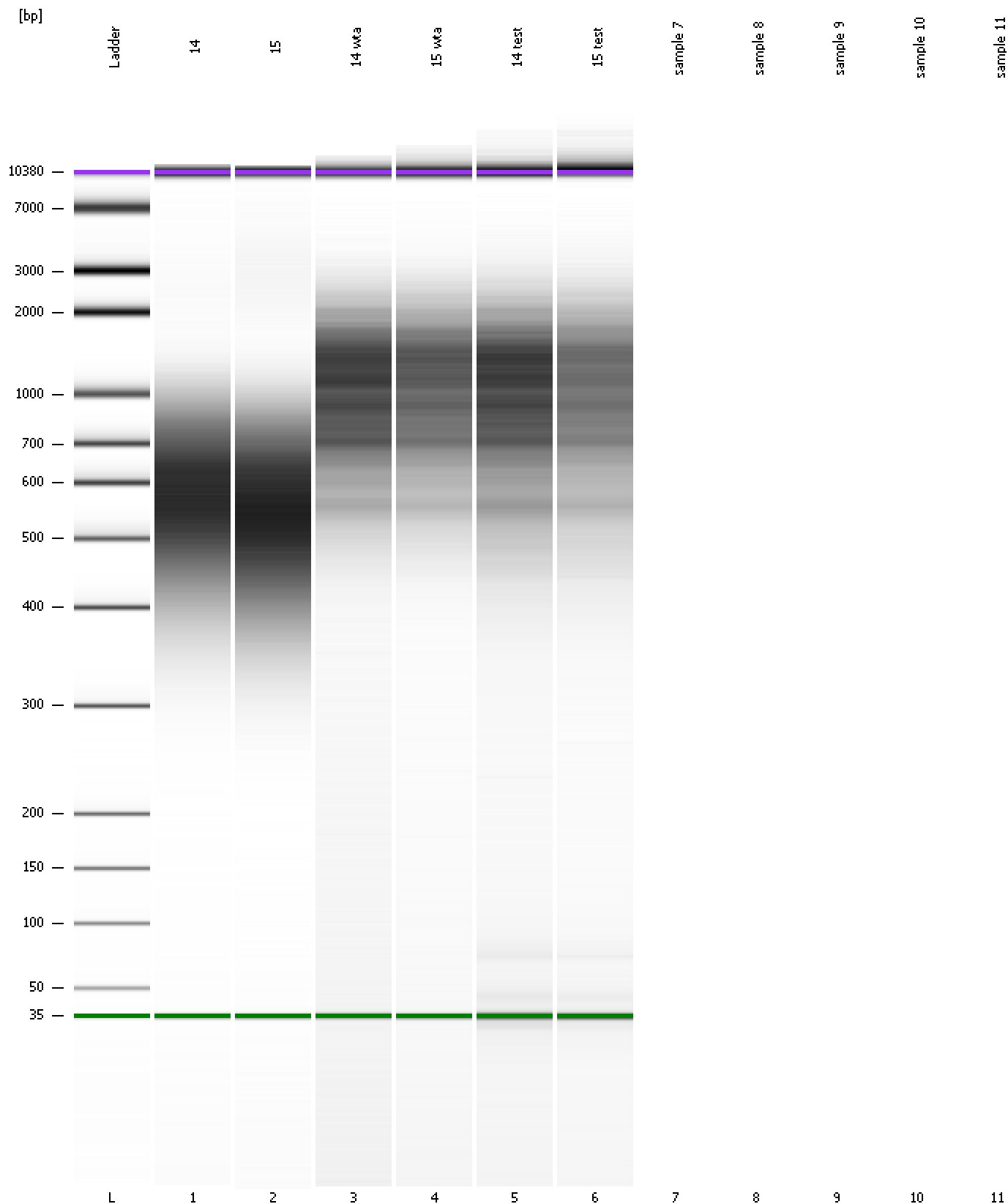
... Region table for sample 6 : 15 test

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	691	721.4	509.02	1,204.9	 56	23.5

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
Modified: 2/12/2018 1:05:45 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12\_003.xad

Created: 2/12/2018 12:25:08 PM  
Modified: 2/12/2018 1:05:45 PM

**Invalid Samples**

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.