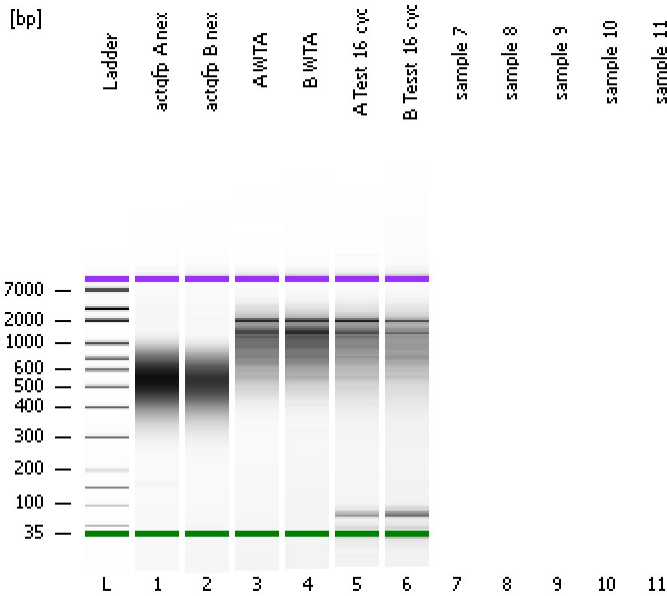


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
Modified: 4/25/2018 4:03:00 PM

Electrophoresis File Run Summary



Instrument Information:

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

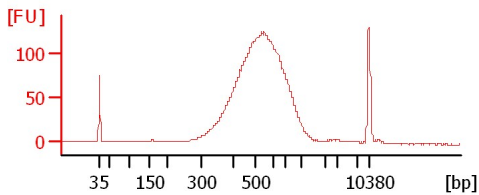
Assay Information:

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

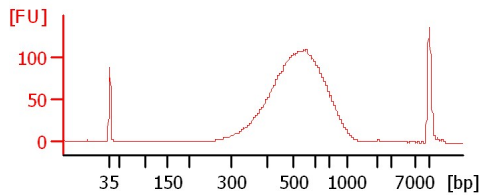
Chip Information:

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

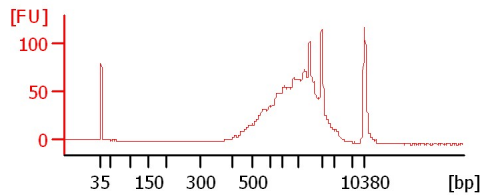
actgfp A nex



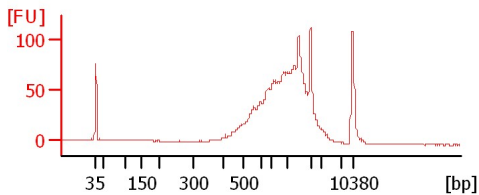
actgfp B nex



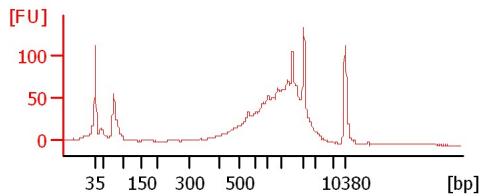
A WTA



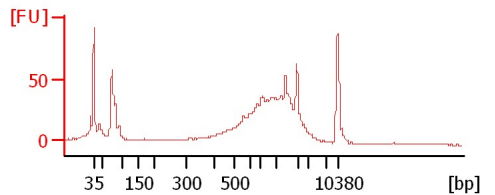
B WTA



A Test 16 cyc



B Tesst 16 cyc



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
Modified: 4/25/2018 4:03:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
actgfp A nex		<input type="checkbox"/>	✓			
actgfp B nex		<input type="checkbox"/>	✓			
A WTA		<input type="checkbox"/>	✓			
B WTA		<input type="checkbox"/>	✓			
A Test 16 cyc		<input type="checkbox"/>	✓			
B Tesst 16 cyc		<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\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
Modified: 4/25/2018 4:03:00 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

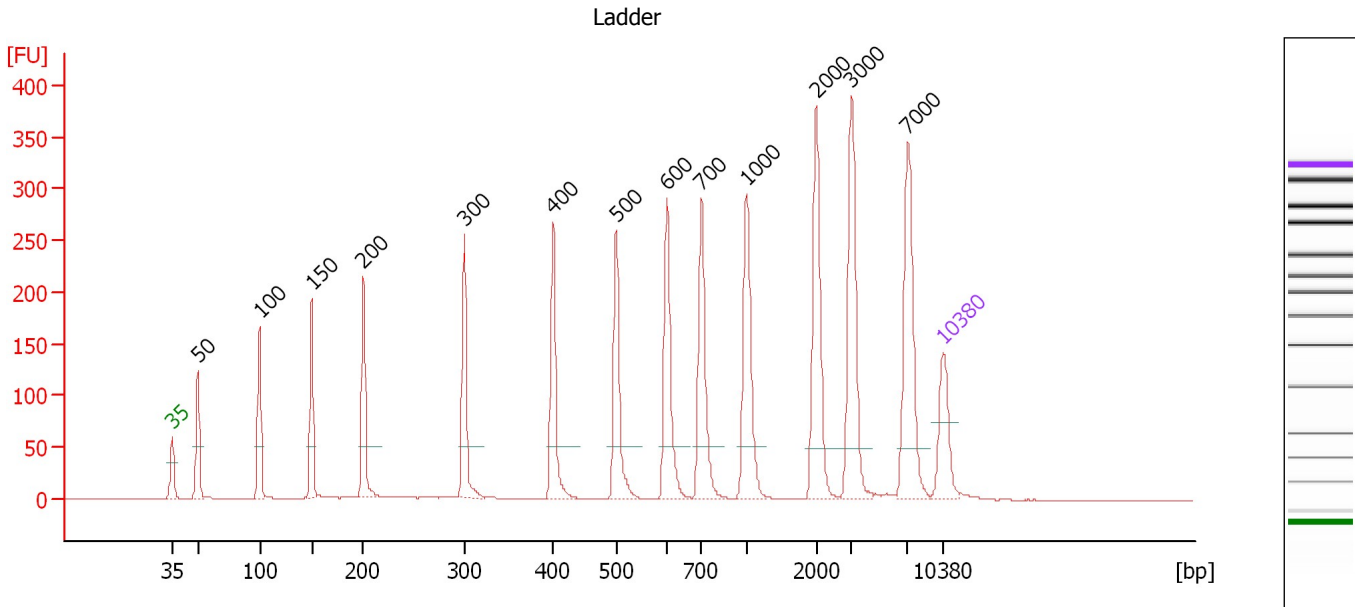
Ladder

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\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
 Modified: 4/25/2018 4:03:00 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

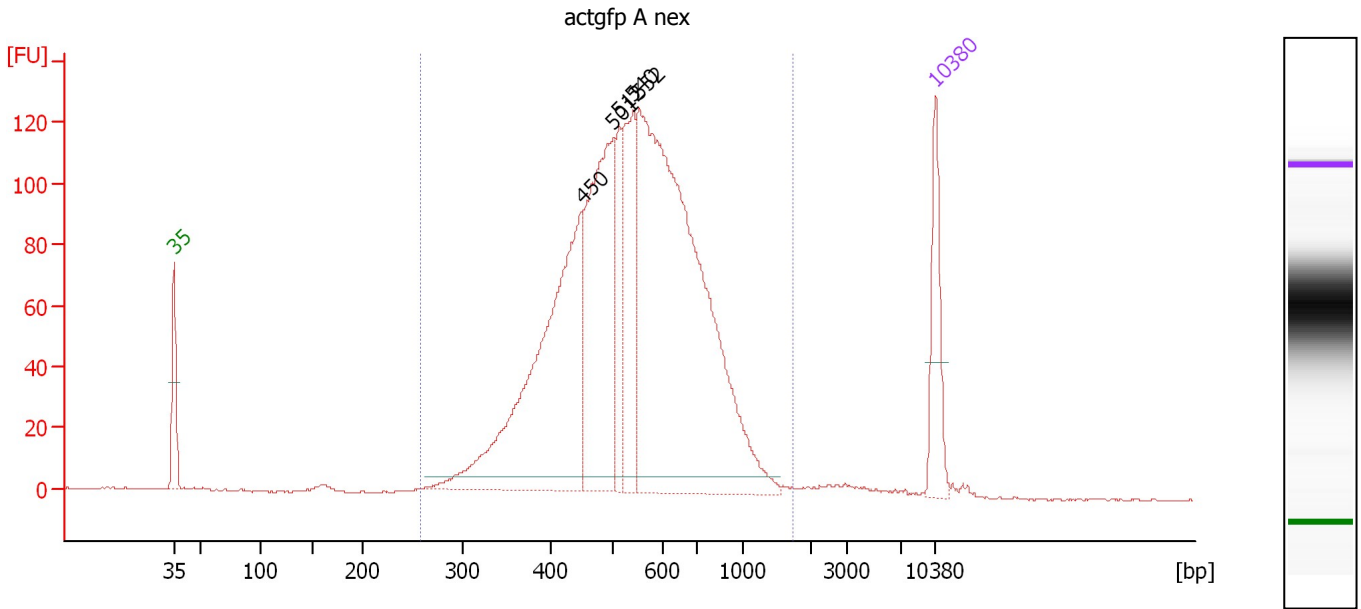
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.94
4	150	150.00	1,515.2	Ladder Peak	55.69
5	200	150.00	1,136.4	Ladder Peak	60.39
6	300	150.00	757.6	Ladder Peak	69.55
7	400	150.00	568.2	Ladder Peak	77.64
8	500	150.00	454.5	Ladder Peak	83.35
9	600	150.00	378.8	Ladder Peak	87.96
10	700	150.00	324.7	Ladder Peak	91.10
11	1,000	150.00	227.3	Ladder Peak	95.22
12	2,000	150.00	113.6	Ladder Peak	101.52
13	3,000	150.00	75.8	Ladder Peak	104.76
14	7,000	150.00	32.5	Ladder Peak	109.85
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
 Modified: 4/25/2018 4:03:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : actgfp A nex

Number of peaks found: 5 Corr. Area 1: 2,247.6
 Noise: 0.3

Peak table for sample 1 : actgfp A nex

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	450	544.00	1,831.3		80.50
3	501	371.23	1,123.0		83.39
4	512	88.56	262.3		83.88
5	540	174.68	489.9		85.21
6	552	923.74	2,535.6		85.75
7	10,380	75.00	10.9	Upper Marker	113.00

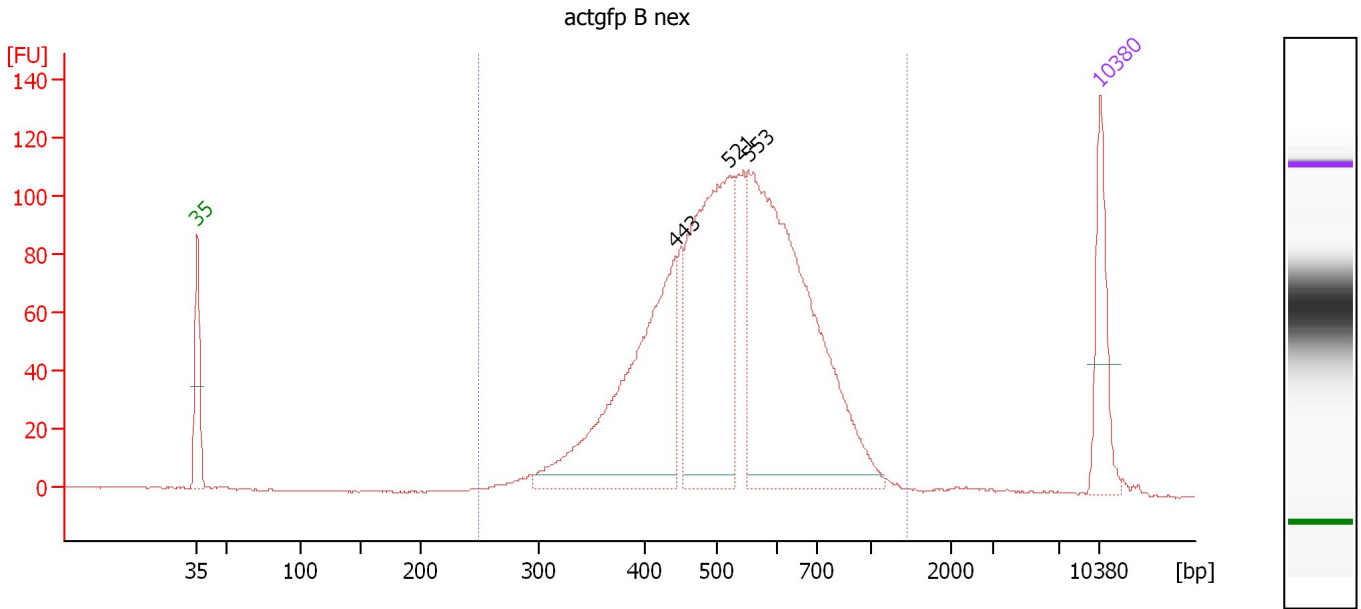
Region table for sample 1 : actgfp A nex

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
257	1,750	562	2,135.62	2,247.6	6,362.1	97	30.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
 Modified: 4/25/2018 4:03:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : actgfp B nex

Number of peaks found: 3 Corr. Area 1: 1,924.0
 Noise: 0.3

Peak table for sample 2 : actgfp B nex

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	443	406.83	1,392.9		80.07
3	521	408.01	1,187.5		84.30
4	553	625.86	1,715.7		85.78
5	10,380	75.00	10.9	Upper Marker	113.00

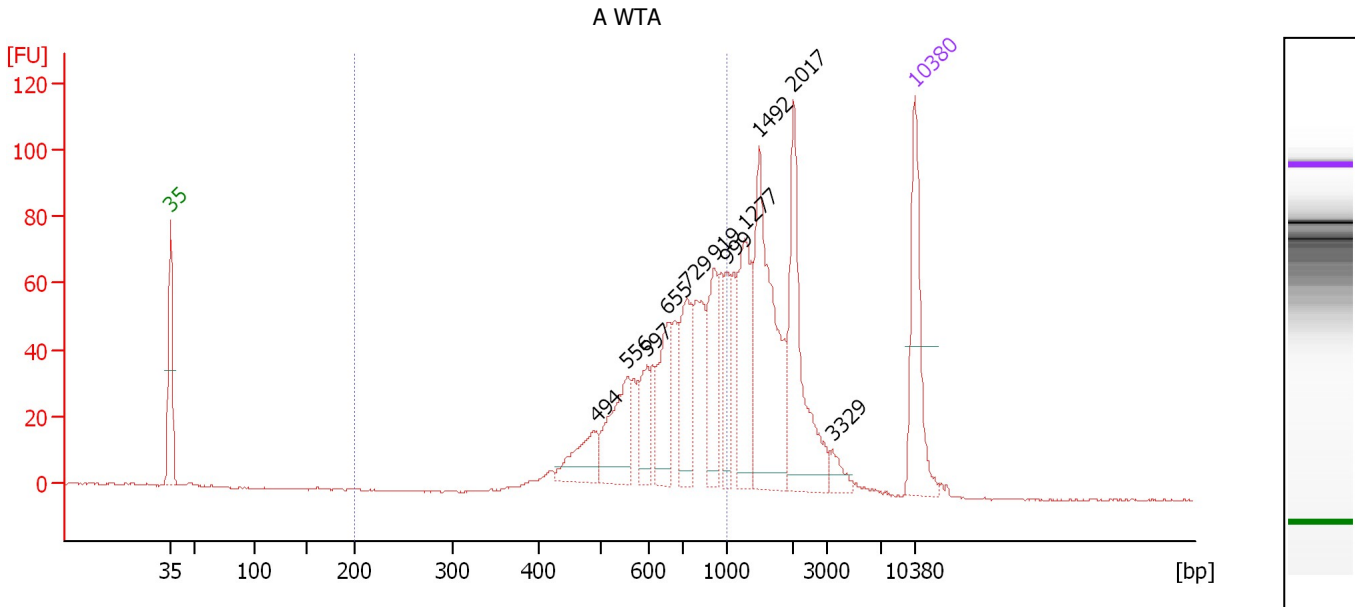
Region table for sample 2 : actgfp B nex

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
248	1,445	540	1,668.64	1,924.0	5,093.9	97	26.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
 Modified: 4/25/2018 4:03:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A WTA

Number of peaks found: 11 Corr. Area 1: 663.8
 Noise: 0.3

Peak table for sample 3 : A 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	494	48.16	147.8		82.99
3	556	74.48	202.9		85.94
4	597	36.97	93.9		87.80
5	655	64.40	148.9		89.70
6	729	69.27	143.9		91.50
7	919	59.39	97.9		94.11
8	999	35.32	53.6		95.21
9	1,277	81.32	96.5		96.97
10	1,492	157.13	159.6		98.32
11	2,017	110.65	83.1		101.58
12	3,329	11.97	5.4		105.18
13	10,380	75.00	10.9	Upper Marker	113.00

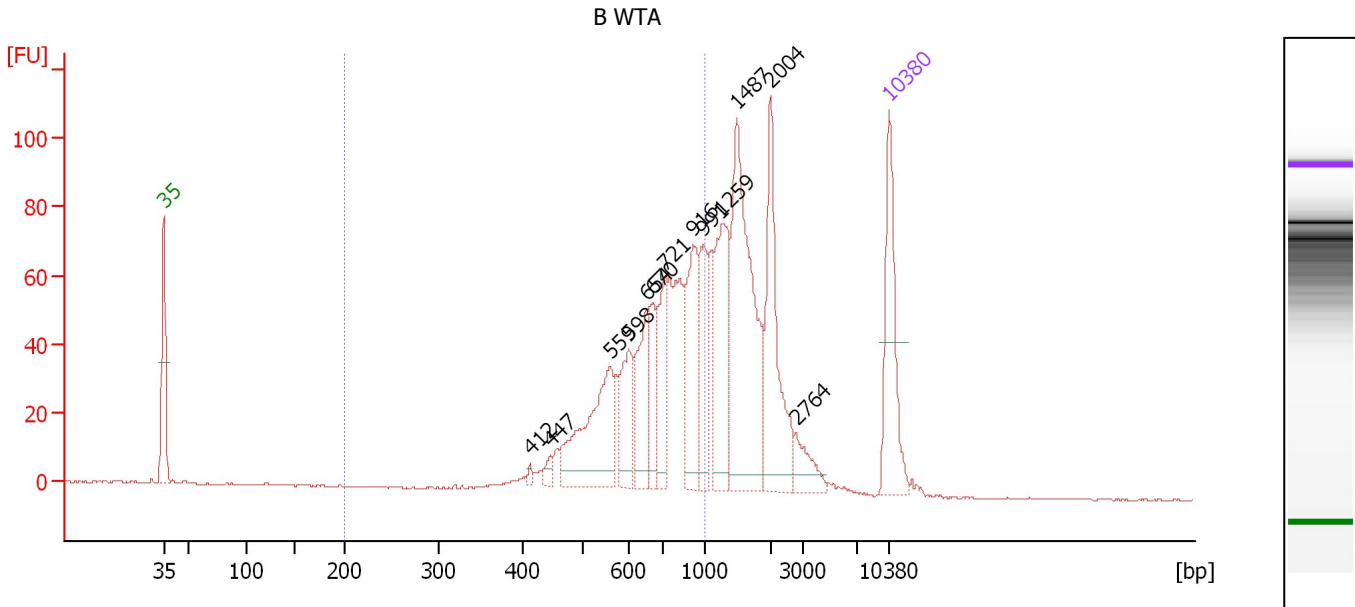
Region table for sample 3 : A WTA

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	693	585.92	663.8	1,373.7	53	22.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
 Modified: 4/25/2018 4:03:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : B WTA

Number of peaks found: 13 Corr. Area 1: 695.5
 Noise: 0.2

Peak table for sample 4 : B 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	412	3.63	13.3		78.33
3	447	8.39	28.4		80.34
4	559	121.40	329.3		86.05
5	598	52.84	134.0		87.85
6	654	68.61	159.0		89.65
7	670	36.63	82.8		90.16
8	721	62.96	132.2		91.40
9	916	83.51	138.1		94.07
10	991	59.54	91.0		95.10
11	1,259	95.19	114.6		96.85
12	1,487	187.96	191.5		98.29
13	2,004	103.25	78.1		101.53
14	2,764	22.82	12.5		104.00
15	10,380	75.00	10.9	Upper Marker	113.00

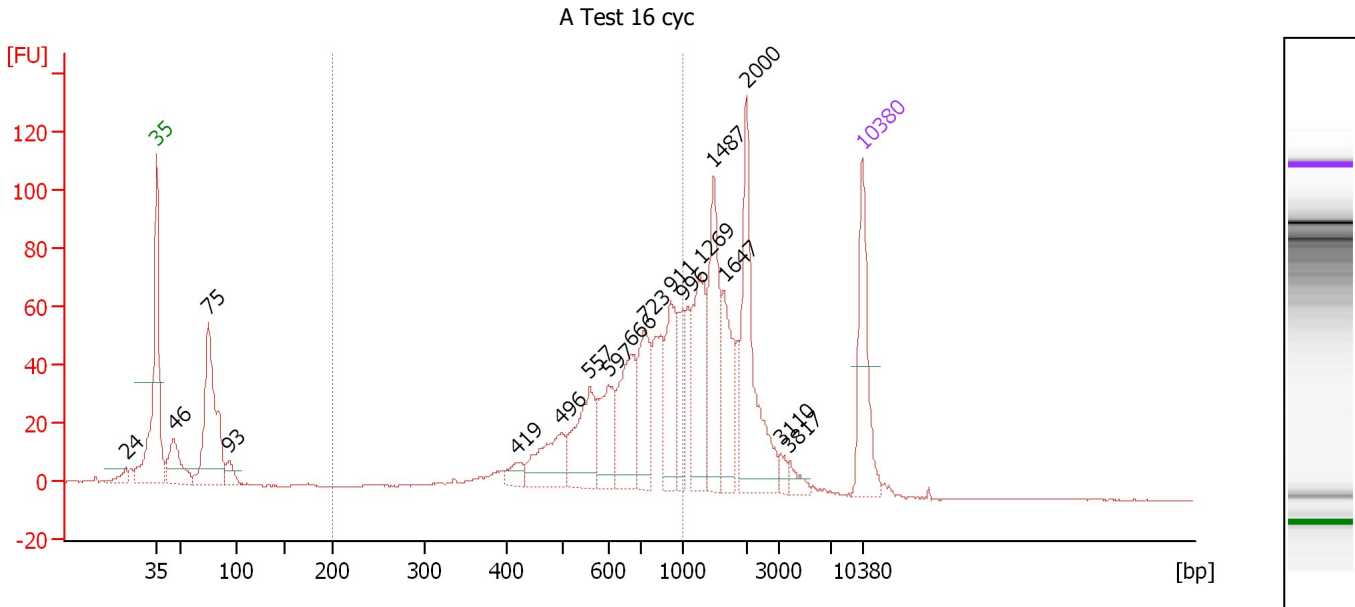
Region table for sample 4 : B WTA

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	696	634.24	695.5	1,483.5	53	22.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
 Modified: 4/25/2018 4:03:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A Test 16 cyc

Number of peaks found: 18 Corr. Area 1: 667.7
 Noise: 0.2

Peak table for sample 5 : A Test 16 cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	24	0.00	0.0		39.93
2	35	125.00	5,411.3	Lower Marker	43.00
3	46	73.02	2,409.2		44.69
4	75	209.94	4,242.5		48.13
5	93	21.29	347.4		50.14
6	419	16.53	59.8		78.71
7	496	66.81	204.2		83.11
8	557	81.02	220.5		85.96
9	597	60.24	152.9		87.81
10	666	89.84	204.3		90.04
11	723	73.65	154.5		91.41
12	911	74.37	123.6		94.01
13	996	39.31	59.8		95.17
14	1,269	92.14	110.0		96.92
15	1,487	97.75	99.6		98.29
16	1,647	62.03	57.1		99.30
17	2,000	128.26	97.2		101.52
18	3,110	8.32	4.1		104.90
19	3,817	10.13	4.0		105.80
20	10,380	75.00	10.9	Upper Marker	113.00

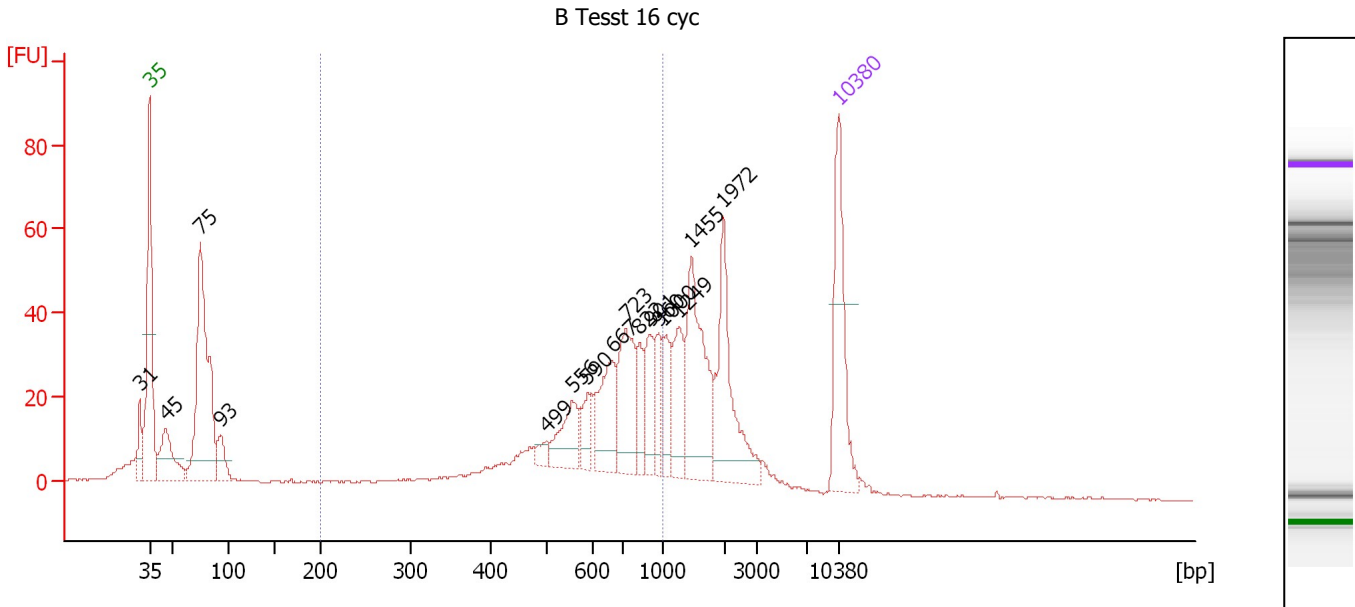
Region table for sample 5 : A Test 16 cyc

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	673	612.84	667.7	1,527.0	44	25.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
 Modified: 4/25/2018 4:03:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : B Tesst 16 cyc

Number of peaks found: 16 Corr. Area 1: 440.1
 Noise: 0.2

Peak table for sample 6 : B Tesst 16 cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.97
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	74.85	2,492.7		44.63
4	75	256.56	5,173.2		48.15
5	93	33.86	548.8		50.21
6	499	10.75	32.6		83.29
7	556	41.36	112.7		85.94
8	590	21.52	55.2		87.52
9	667	60.99	138.5		90.06
10	723	72.81	152.6		91.42
11	822	25.48	47.0		92.78
12	901	35.11	59.1		93.86
13	960	23.85	37.6		94.67
14	1,000	31.89	48.3		95.22
15	1,249	41.85	50.8		96.79
16	1,455	97.06	101.0		98.09
17	1,972	83.01	63.8		101.34
18	10,380	75.00	10.9	Upper Marker	113.00

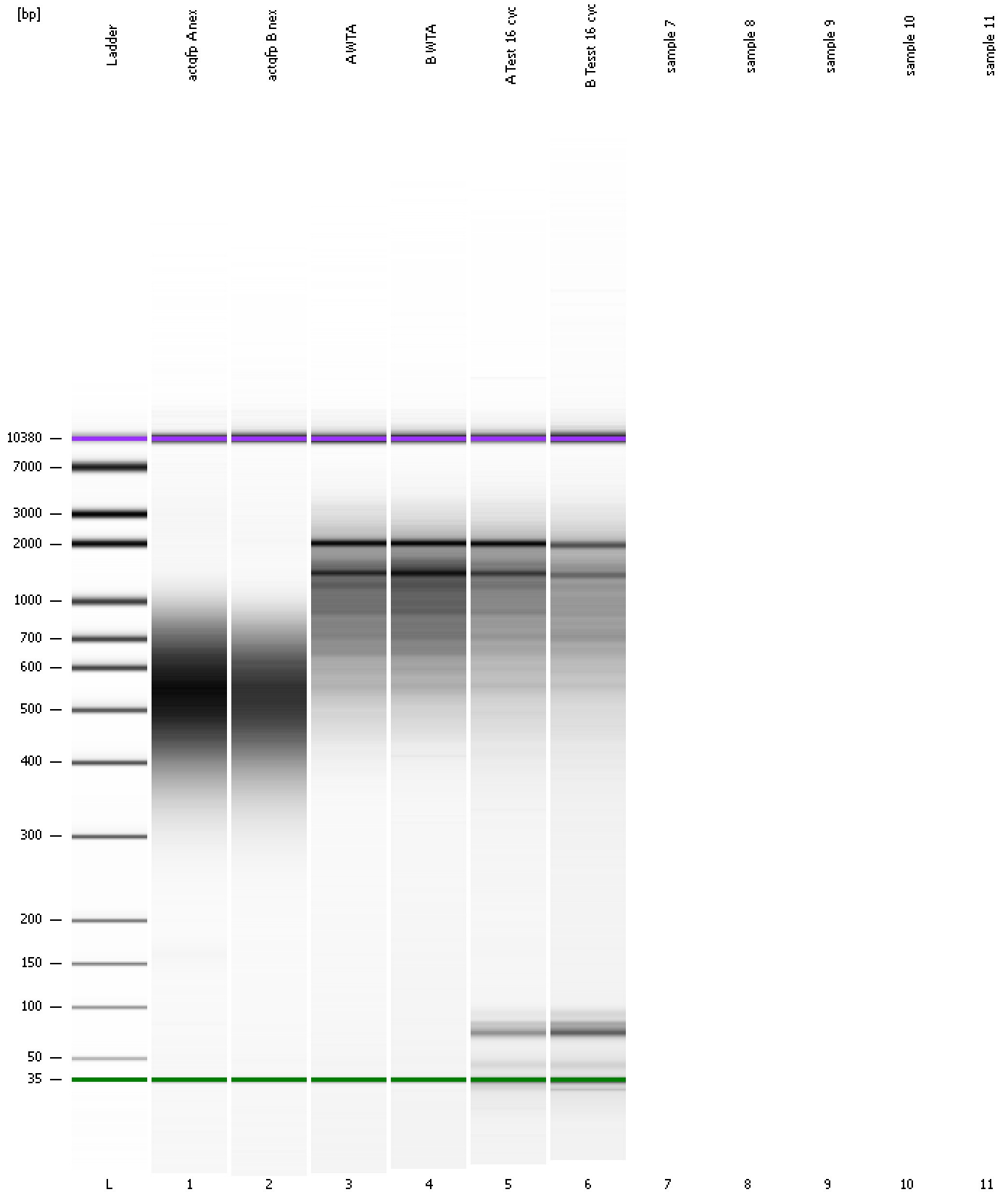
Region table for sample 6 : B Tesst 16 cyc

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	661	472.22	440.1	1,235.4	42	27.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
Modified: 4/25/2018 4:03:00 PM

Gel Image

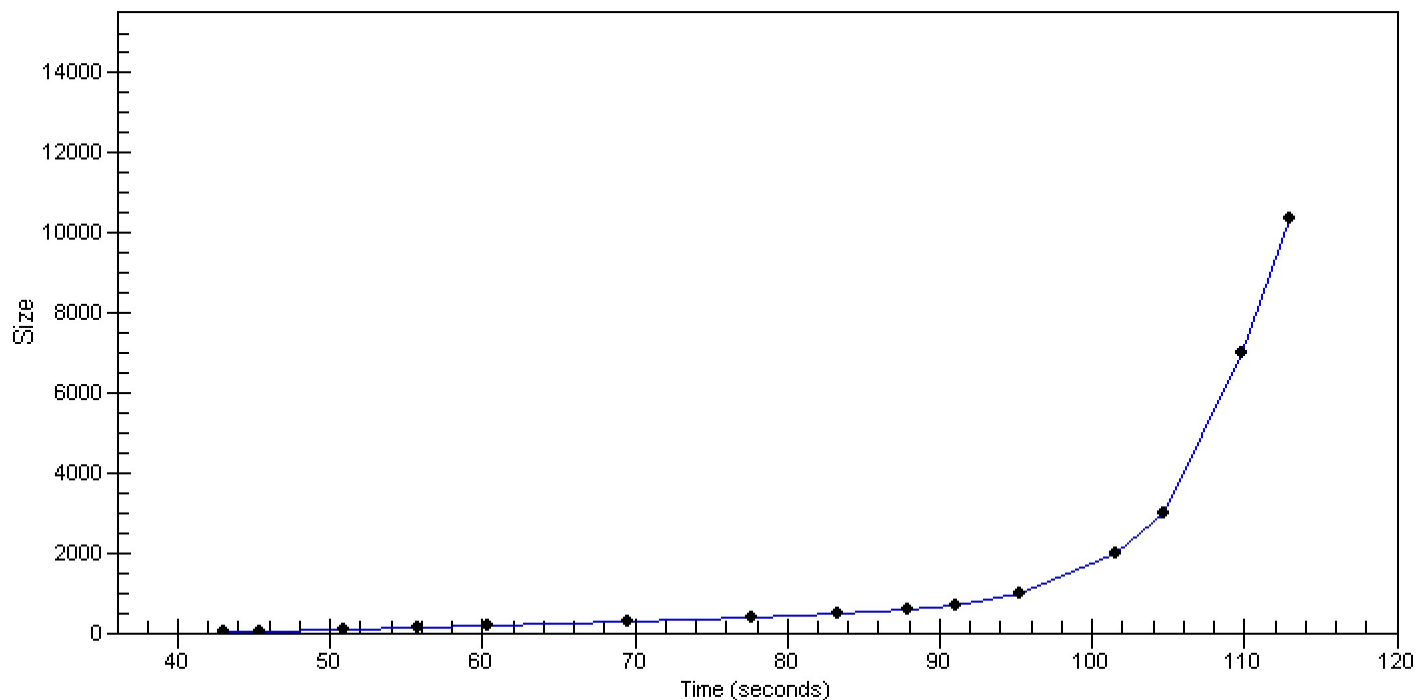


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
Modified: 4/25/2018 4:03:00 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-25\2018-04-25_001.xad

Created: 4/25/2018 3:12:29 PM
Modified: 4/25/2018 4:03:00 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.