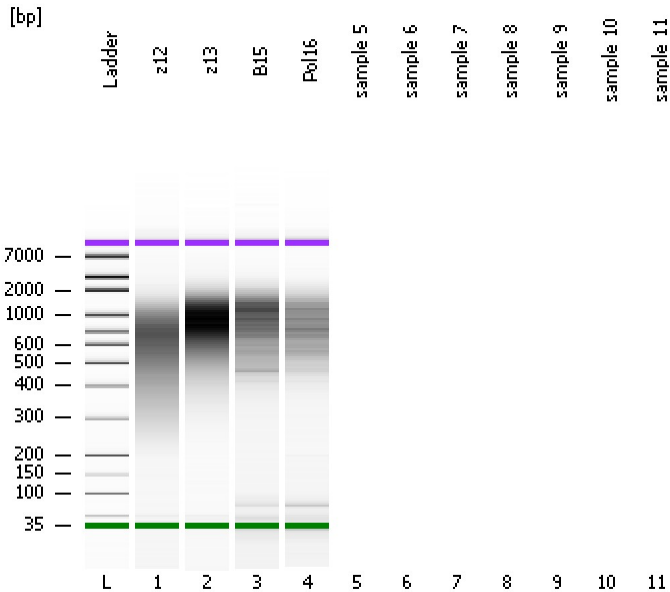


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
Modified: 4/13/2018 10:40:56 AM

Electrophoresis File Run Summary



Instrument Information:

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

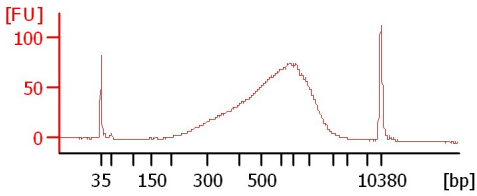
Assay Information:

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

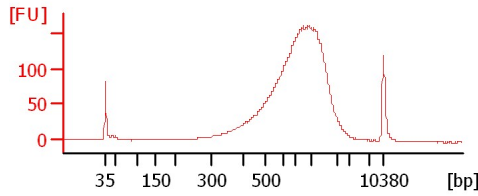
Chip Information:

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

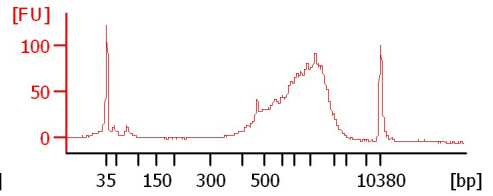
z12



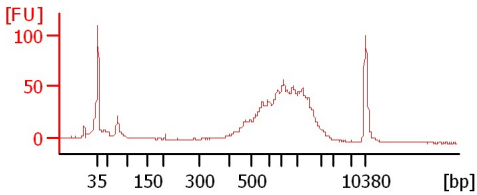
z13



B15



Pol16



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
Modified: 4/13/2018 10:40:56 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
z12		<input type="checkbox"/>	✓			
z13		<input type="checkbox"/>	✓			
B15		<input type="checkbox"/>	✓			
Pol16		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>				
sample 6		<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\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
Modified: 4/13/2018 10:40:56 AM

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

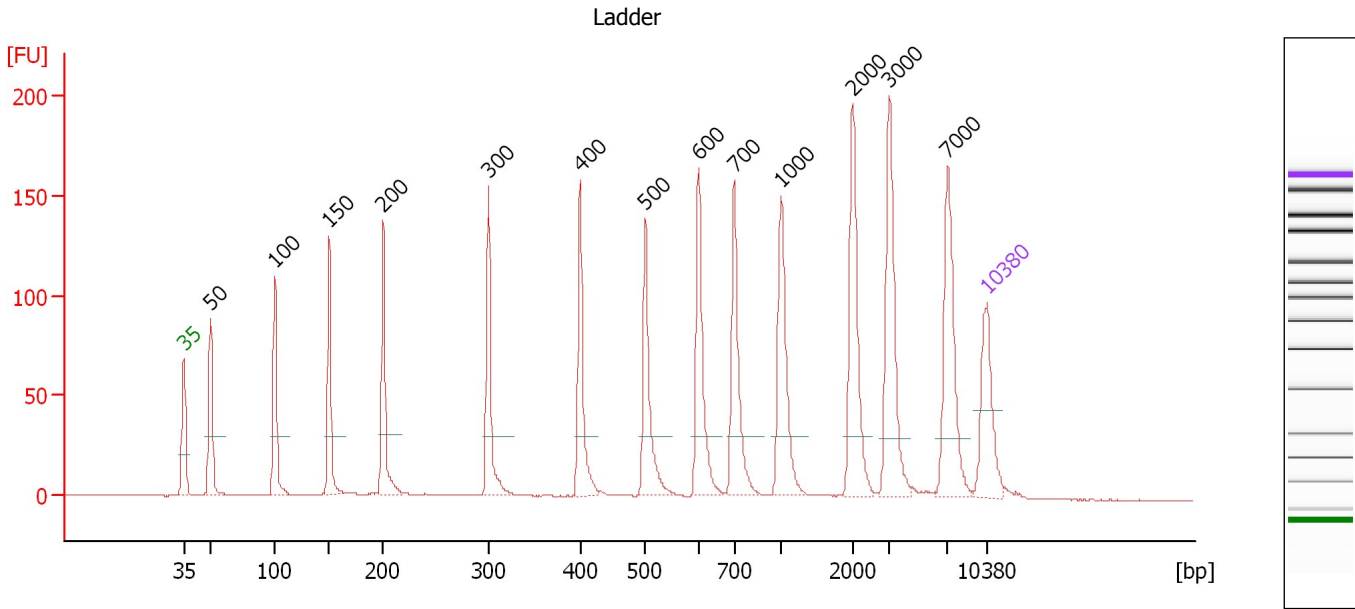
Ladder

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\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
 Modified: 4/13/2018 10:40:56 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

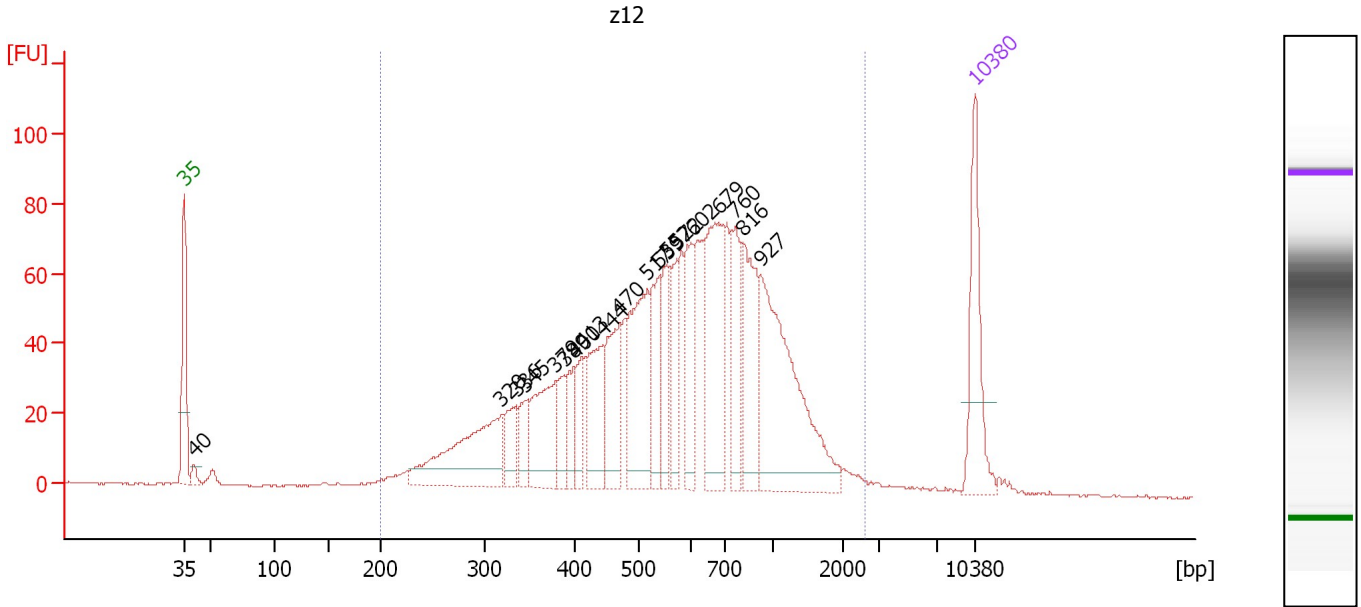
Peak table for Ladder

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	45.32
3	100	150.00	2,272.7	Ladder Peak	50.94
4	150	150.00	1,515.2	Ladder Peak	55.68
5	200	150.00	1,136.4	Ladder Peak	60.37
6	300	150.00	757.6	Ladder Peak	69.52
7	400	150.00	568.2	Ladder Peak	77.51
8	500	150.00	454.5	Ladder Peak	83.23
9	600	150.00	378.8	Ladder Peak	87.87
10	700	150.00	324.7	Ladder Peak	90.94
11	1,000	150.00	227.3	Ladder Peak	95.02
12	2,000	150.00	113.6	Ladder Peak	101.29
13	3,000	150.00	75.8	Ladder Peak	104.45
14	7,000	150.00	32.5	Ladder Peak	109.56
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
 Modified: 4/13/2018 10:40:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : z12

Number of peaks found: 19 Corr. Area 1: 1,827.0
 Noise: 0.3

Peak table for sample 1 : z12

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	11.48	429.6		43.85
3	320	167.35	793.5		71.08
4	336	41.88	188.8		72.41
5	345	30.50	134.0		73.11
6	379	102.38	409.1		75.85
7	389	33.92	132.2		76.61
8	400	37.24	141.1		77.50
9	413	35.38	129.8		78.26
10	444	84.73	289.4		80.01
11	470	88.12	284.0		81.52
12	517	134.57	394.3		84.02
13	539	67.13	188.5		85.06
14	552	56.27	154.6		85.62
15	572	49.06	130.0		86.57
16	602	68.82	173.2		87.94
17	679	145.82	325.3		90.30
18	760	78.25	155.9		91.76
19	816	96.88	179.9		92.51
20	927	218.17	356.7		94.02
21	10,380	75.00	10.9	Upper Marker	113.00

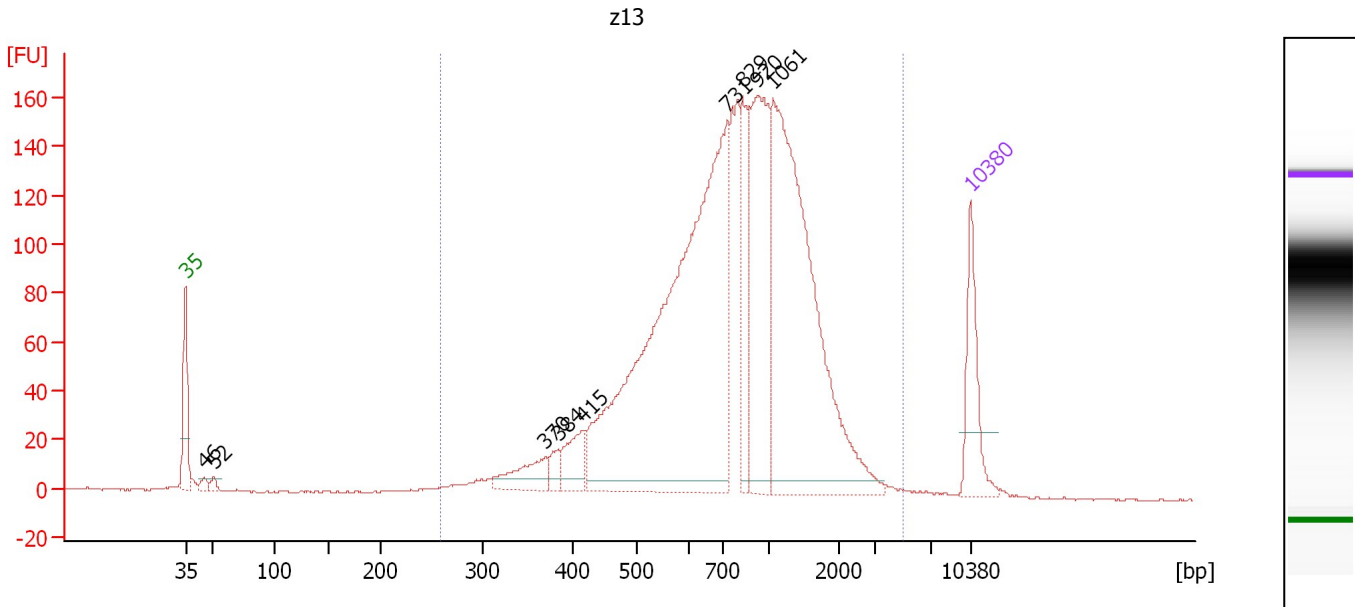
Region table for sample 1 : z12

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	2,610	659	1,828.64	1,827.0	5,538.7	97	51.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
 Modified: 4/13/2018 10:40:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : z13

Number of peaks found: 9 Corr. Area 1: 2,741.3
 Noise: 0.3

Peak table for sample 2 : z13

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	11.68	386.8		44.66
3	52	9.70	284.0		45.52
4	370	57.74	236.6		75.10
5	384	18.75	74.0		76.24
6	415	56.51	206.2		78.38
7	731	938.77	1,945.0		91.36
8	829	116.60	213.1		92.69
9	920	256.71	422.9		93.93
10	1,061	571.78	816.7		95.40
11	10,380	75.00	10.9	Upper Marker	113.00

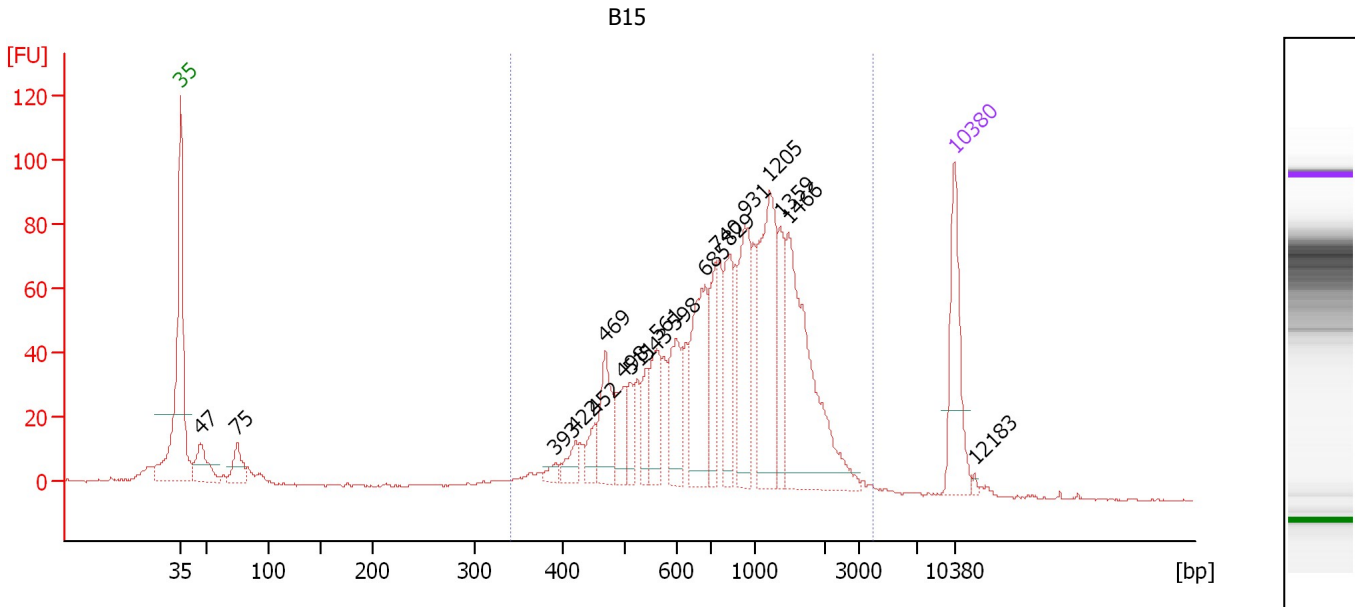
Region table for sample 2 : z13

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
259	5,047	919	2,269.01	2,741.3	4,930.5	98	53.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
 Modified: 4/13/2018 10:40:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : B15

Number of peaks found: 19 Corr. Area 1: 1,397.9
 Noise: 0.2

Peak table for sample 3 : B15

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	47	57.55	1,861.7		44.83
3	75	40.02	810.3		48.11
4	393	10.28	39.7		76.91
5	422	21.82	78.4		78.75
6	452	24.20	81.1		80.48
7	469	65.69	212.3		81.45
8	498	41.87	127.5		83.09
9	511	27.82	82.5		83.72
10	543	31.31	87.4		85.21
11	561	56.96	153.7		86.08
12	598	60.57	153.5		87.77
13	685	114.90	254.2		90.47
14	740	61.69	126.3		91.48
15	829	70.00	128.0		92.69
16	931	98.91	160.9		94.09
17	1,205	151.43	190.4		96.31
18	1,359	49.47	55.2		97.27
19	1,466	194.33	200.8		97.95
20	10,380	75.00	10.9	Upper Marker	113.00
21	12,183	0.00	0.0		114.83

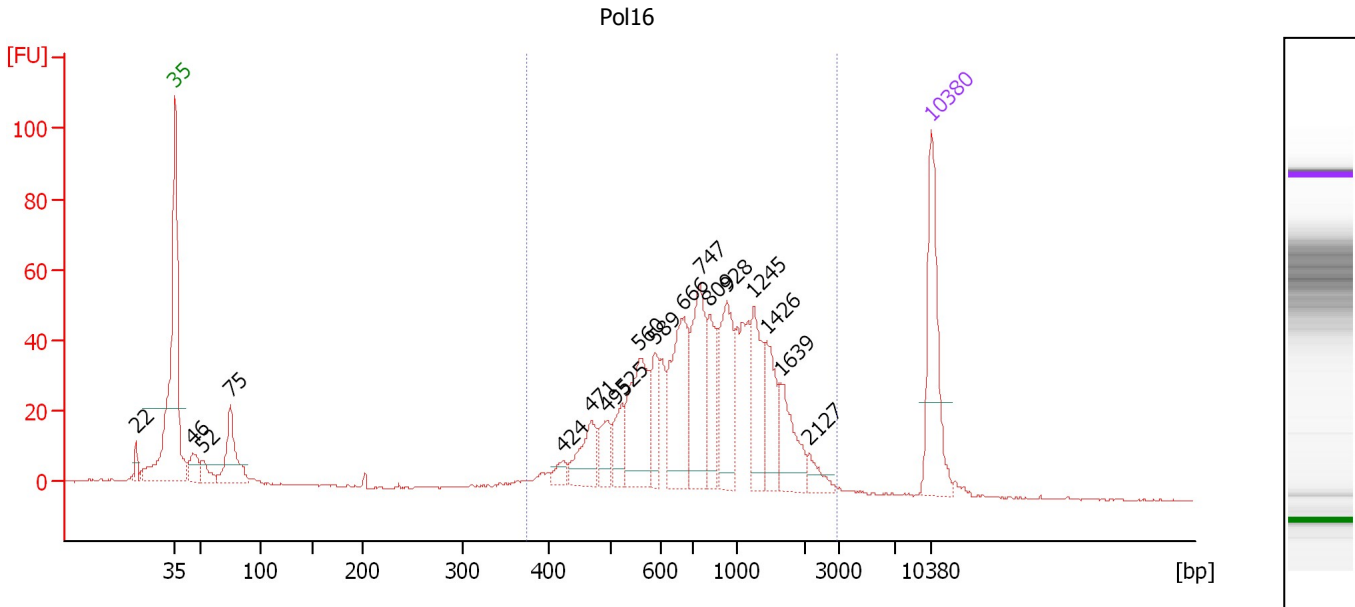
Region table for sample 3 : B15

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
341	3,924	973	1,360.33	1,397.9	2,783.2	91	50.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
 Modified: 4/13/2018 10:40:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Pol16

Number of peaks found: 18 Corr. Area 1: 884.8
 Noise: 0.2

Peak table for sample 4 : Pol16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	22	0.00	0.0		39.35
2	35	125.00	5,411.3	Lower Marker	43.00
3	46	28.85	953.7		44.68
4	52	17.85	522.8		45.52
5	75	72.08	1,464.5		48.08
6	424	11.20	40.0		78.89
7	471	41.81	134.6		81.55
8	495	26.71	81.8		82.94
9	525	28.95	83.6		84.37
10	560	85.11	230.4		86.00
11	589	33.87	87.1		87.38
12	666	98.48	224.0		89.90
13	747	91.66	185.9		91.58
14	809	45.85	85.9		92.41
15	928	65.53	107.0		94.04
16	1,245	50.28	61.2		96.56
17	1,426	40.98	43.5		97.70
18	1,639	41.96	38.8		99.03
19	2,127	12.11	8.6		101.70
20	10,380	75.00	10.9	Upper Marker	113.00

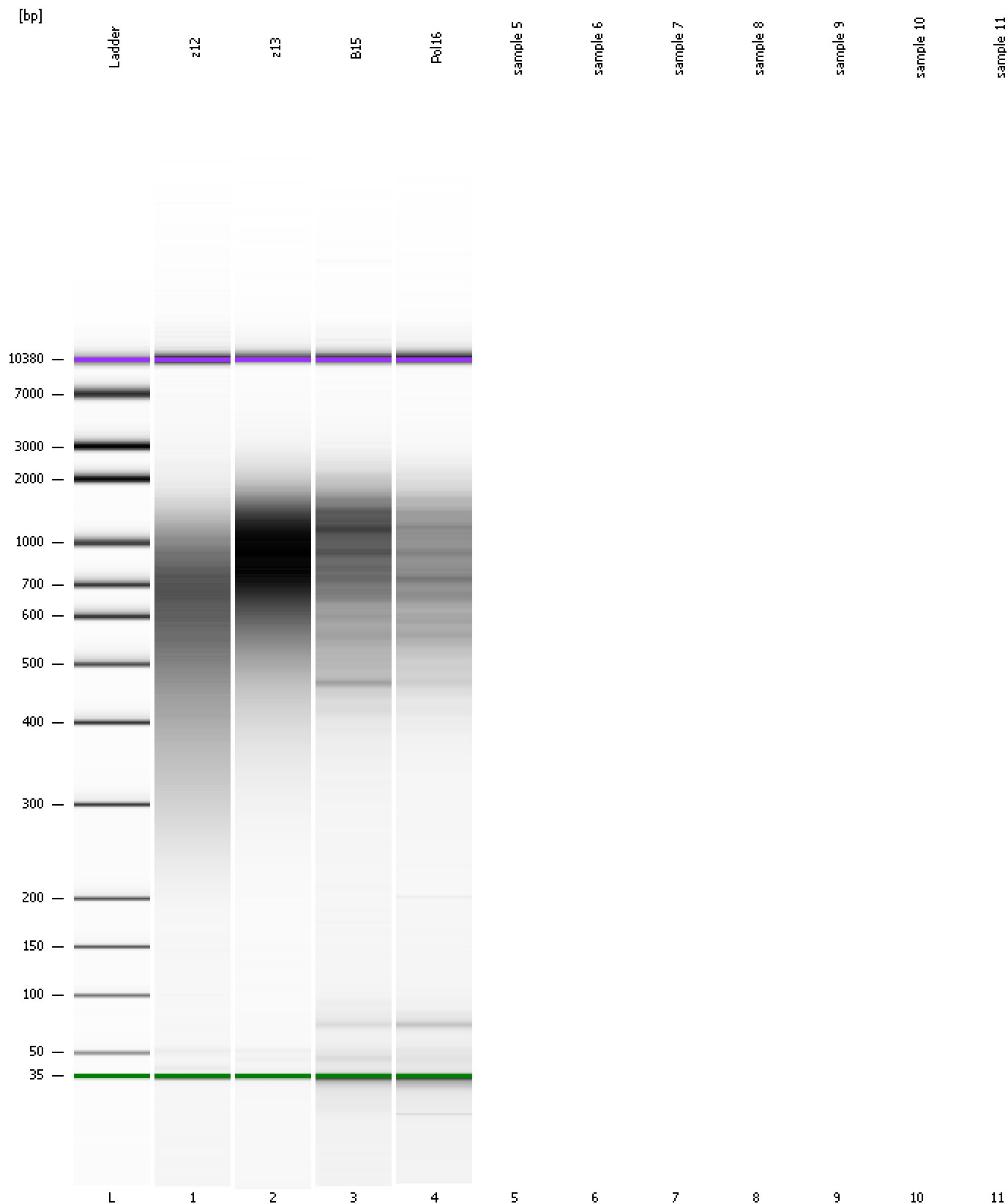
Region table for sample 4 : Pol16

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
375	2,965	916	820.19	884.8	1,703.9	87	48.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
Modified: 4/13/2018 10:40:56 AM

Gel Image

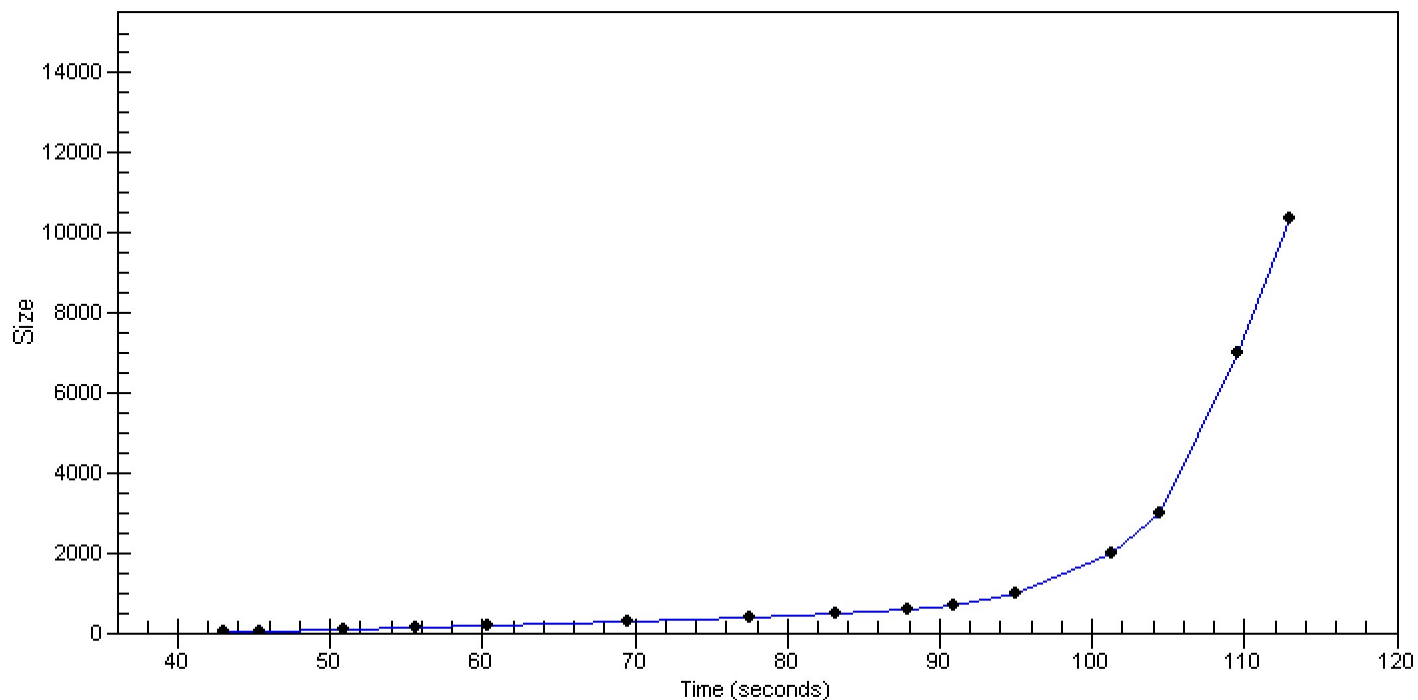


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
Modified: 4/13/2018 10:40:56 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-13\2018-04-13_002.xad

Created: 4/13/2018 10:13:43 AM
Modified: 4/13/2018 10:40:56 AM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

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.