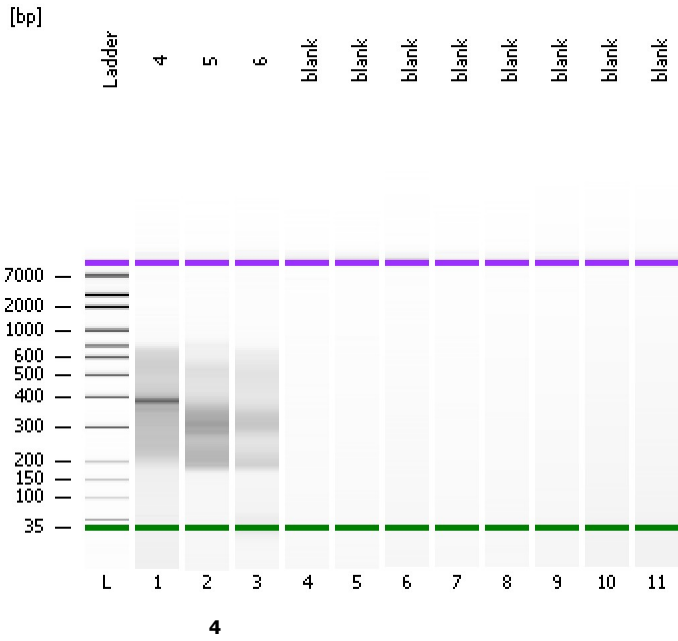


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
Modified: 6/19/2018 2:34:29 PM

Electrophoresis File Run Summary



Instrument Information:

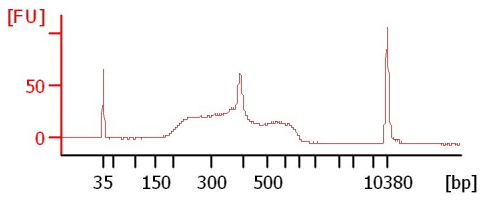
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

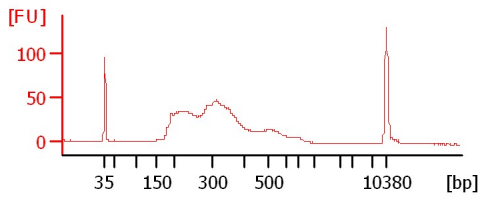
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

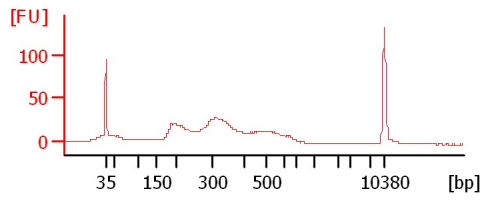
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



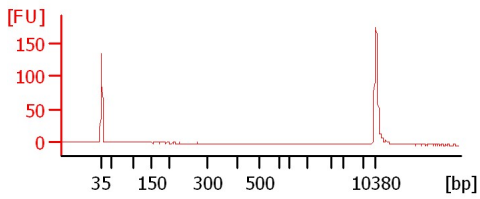
blank



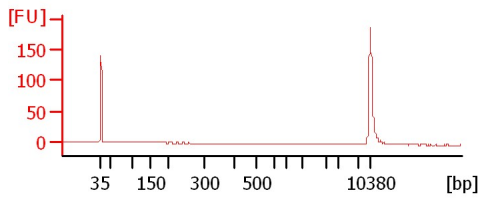
blank



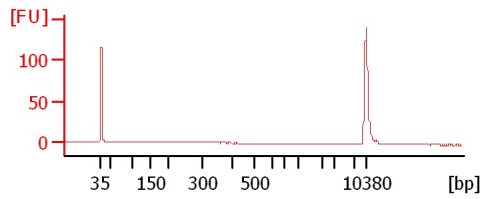
blank



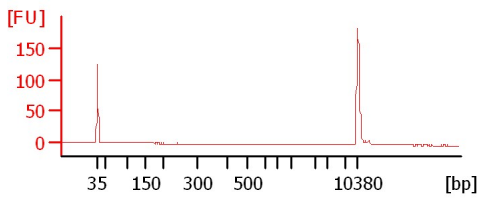
blank



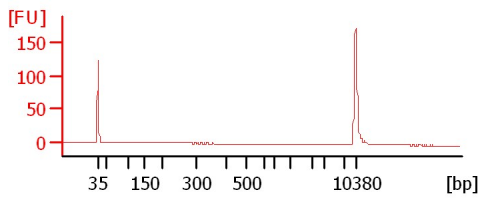
blank



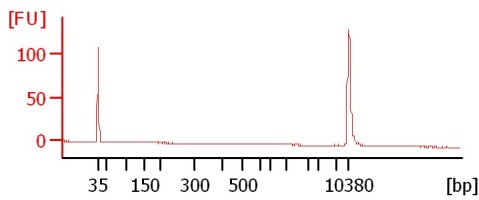
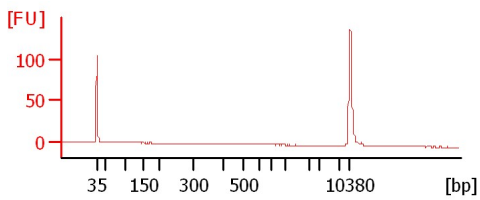
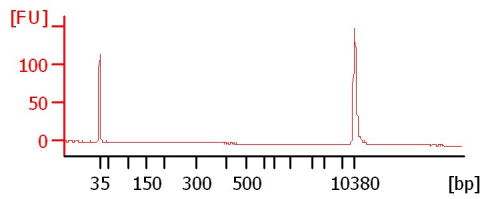
blank



blank



blank



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
Modified: 6/19/2018 2:34:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
4		<input type="checkbox"/>	✓			
5		<input type="checkbox"/>	✓			
6		<input type="checkbox"/>	✓			
blank		<input type="checkbox"/>	✓			
blank		<input type="checkbox"/>	✓			
blank		<input type="checkbox"/>	✓			
blank		<input type="checkbox"/>	✓			
blank		<input type="checkbox"/>	✓			
blank		<input type="checkbox"/>	✓			
blank		<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\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
Modified: 6/19/2018 2:34:29 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

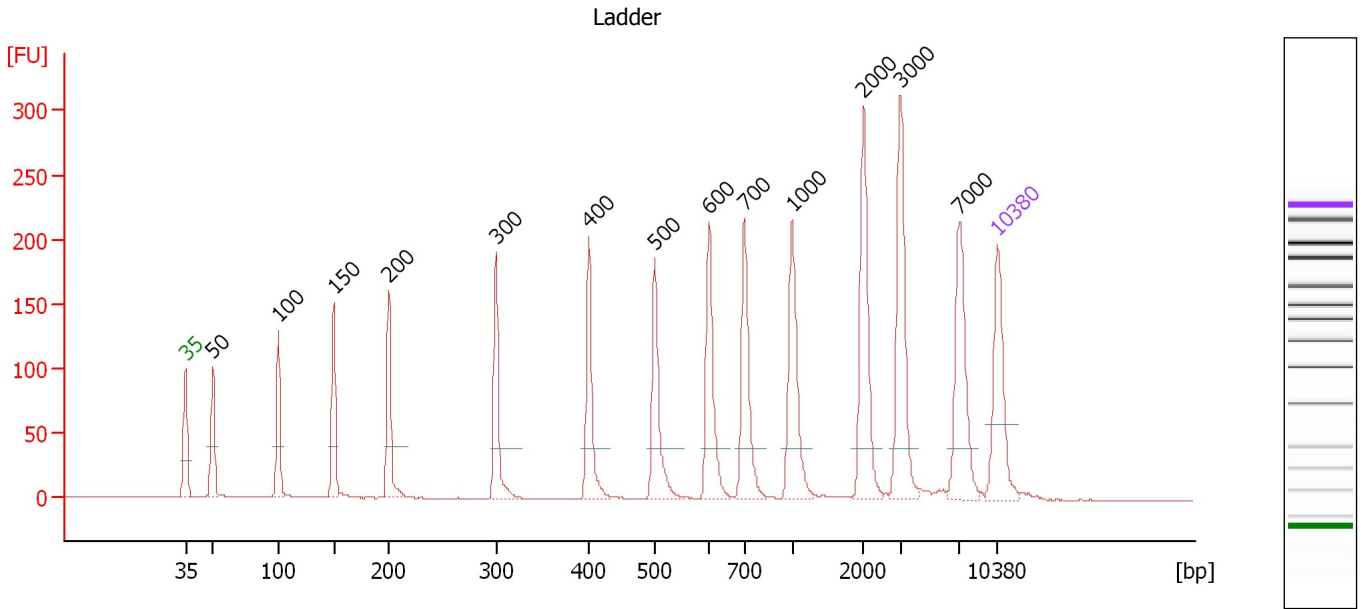
Ladder

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\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
 Modified: 6/19/2018 2:34:29 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

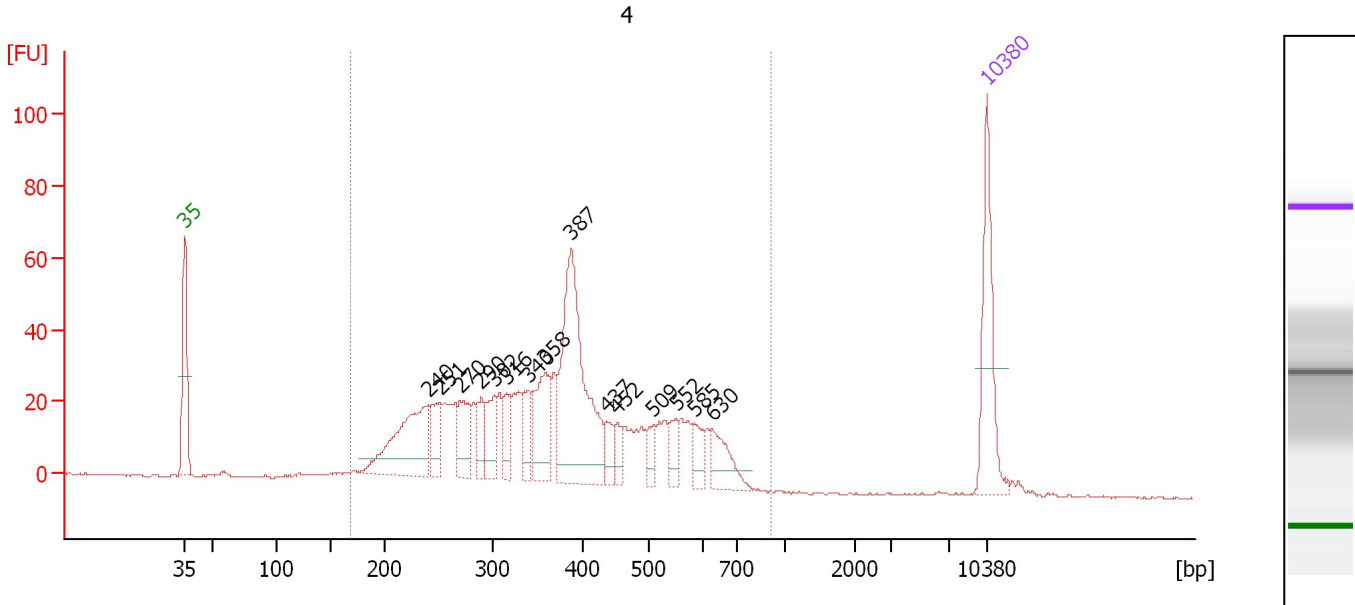
Peak table for Ladder

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	51.00
4	150	150.00	1,515.2	Ladder Peak	55.78
5	200	150.00	1,136.4	Ladder Peak	60.51
6	300	150.00	757.6	Ladder Peak	69.80
7	400	150.00	568.2	Ladder Peak	77.79
8	500	150.00	454.5	Ladder Peak	83.45
9	600	150.00	378.8	Ladder Peak	88.13
10	700	150.00	324.7	Ladder Peak	91.17
11	1,000	150.00	227.3	Ladder Peak	95.30
12	2,000	150.00	113.6	Ladder Peak	101.46
13	3,000	150.00	75.8	Ladder Peak	104.63
14	7,000	150.00	32.5	Ladder Peak	109.74
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
 Modified: 6/19/2018 2:34:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 4

Number of peaks found: 15 Corr. Area 1: 964.6
 Noise: 0.3

Peak table for sample 1 : 4

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	240	143.51	906.1		64.22
3	251	42.46	256.3		65.25
4	270	48.19	270.3		67.02
5	290	25.55	133.4		68.88
6	302	43.10	215.9		69.99
7	316	28.30	135.8		71.07
8	340	27.96	124.7		72.97
9	358	75.41	319.3		74.42
10	387	229.22	897.7		76.74
11	437	22.07	76.6		79.86
12	452	14.52	48.6		80.75
13	509	17.95	53.4		83.86
14	552	21.18	58.2		85.87
15	585	22.35	57.9		87.45
16	630	38.91	93.6		89.03
17	10,380	75.00	10.9	Upper Marker	113.00

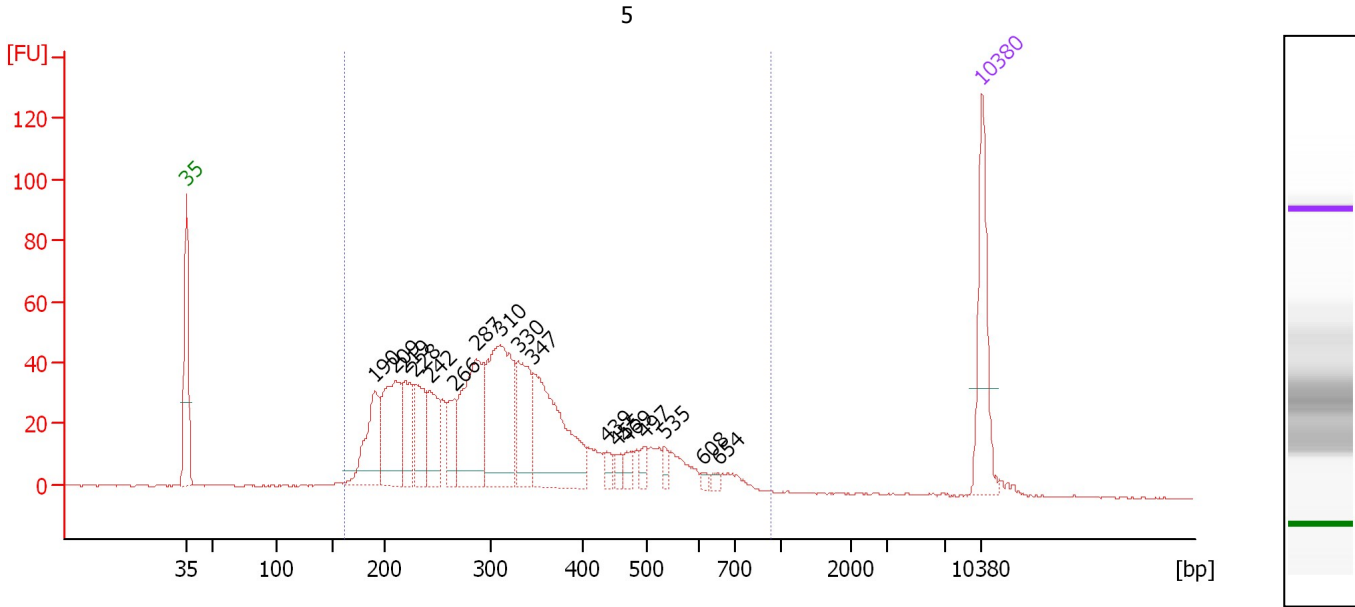
Region table for sample 1 : 4

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
168	912	381	1,183.80	964.6	5,453.8	96	31.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
 Modified: 6/19/2018 2:34:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 5

Number of peaks found: 17 Corr. Area 1: 1,194.5
 Noise: 0.3

Peak table for sample 2 : 5

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	190	96.06	766.2		59.56
3	209	126.76	916.9		61.39
4	219	64.14	444.7		62.24
5	228	74.99	499.1		63.08
6	242	61.60	386.0		64.39
7	266	40.30	229.5		66.65
8	287	151.30	799.3		68.57
9	310	187.68	915.9		70.63
10	330	88.52	406.6		72.18
11	347	171.31	748.3		73.54
12	439	12.39	42.7		80.02
13	455	11.24	37.4		80.91
14	469	12.51	40.4		81.71
15	497	11.44	34.9		83.25
16	535	9.89	28.0		85.08
17	608	4.45	11.1		88.37
18	654	4.08	9.5		89.78
19	10,380	75.00	10.9	Upper Marker	113.00

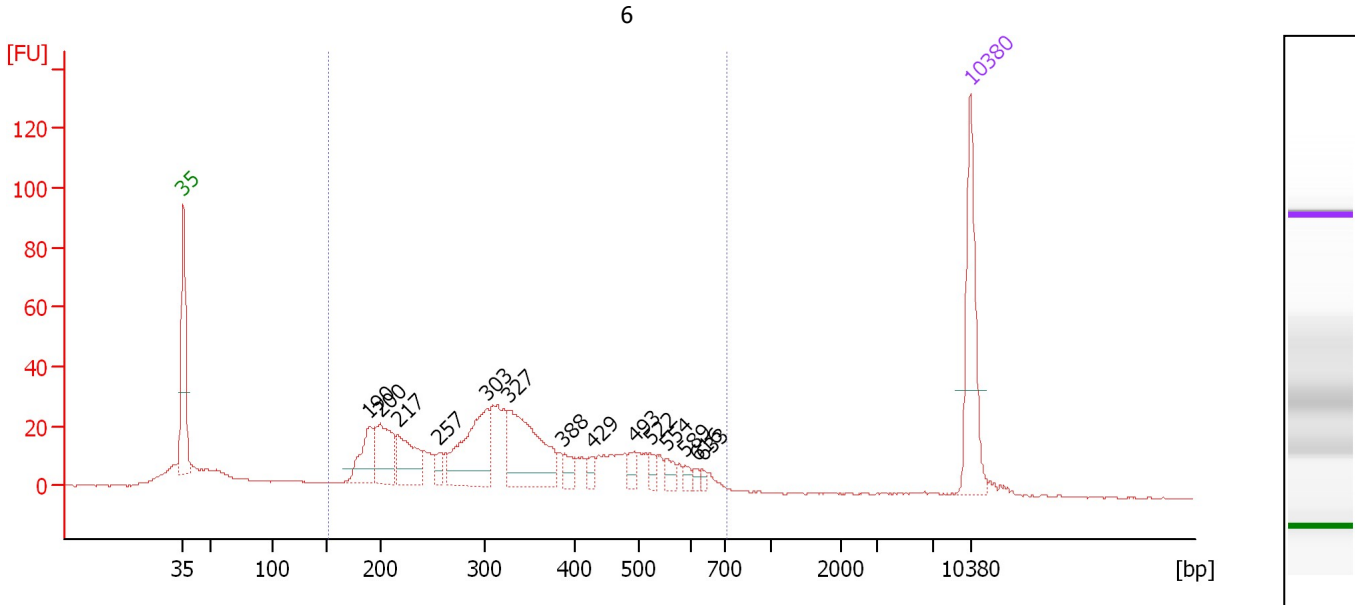
Region table for sample 2 : 5

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
161	931	330	1,326.37	1,194.5	7,053.6	97	35.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
 Modified: 6/19/2018 2:34:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 6

Number of peaks found: 14 Corr. Area 1: 726.1
 Noise: 0.3

Peak table for sample 3 : 6

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	190	52.14	416.1		59.55
3	200	68.59	519.9		60.50
4	217	59.71	417.4		62.07
5	257	11.25	66.4		65.76
6	303	107.59	538.1		70.03
7	327	123.14	571.1		71.93
8	388	13.41	52.4		76.81
9	429	10.70	37.8		79.42
10	493	11.29	34.7		83.07
11	522	9.37	27.2		84.50
12	554	11.23	30.7		85.97
13	589	6.25	16.1		87.63
14	616	4.42	10.9		88.62
15	633	4.09	9.8		89.14
16	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : 6

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
152	714	347	751.08	726.1	3,894.7	83	34.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_003.xad

Created: 6/19/2018 1:49:46 PM
Modified: 6/19/2018 2:34:29 PM

Gel Image

