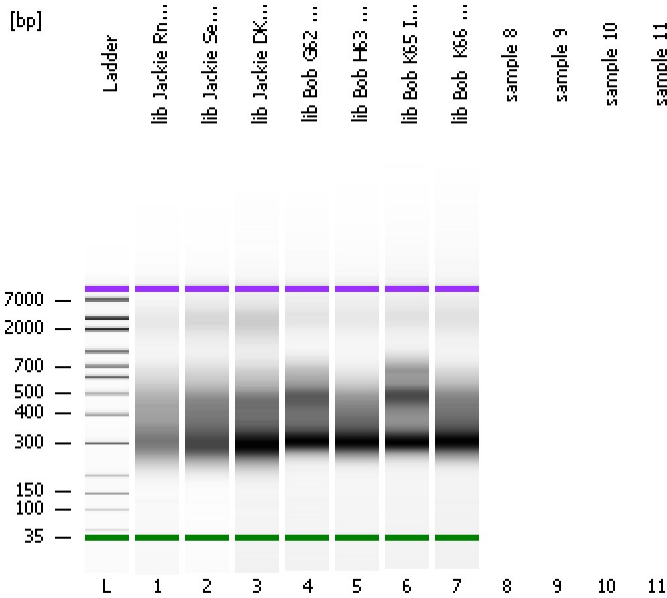


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
Modified: 5/7/2018 2:23:43 PM

Electrophoresis File Run Summary



Instrument Information:

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

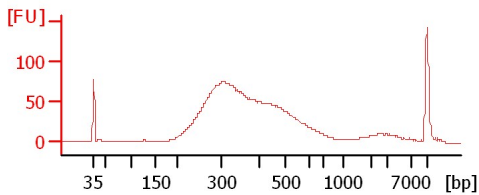
Assay Information:

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

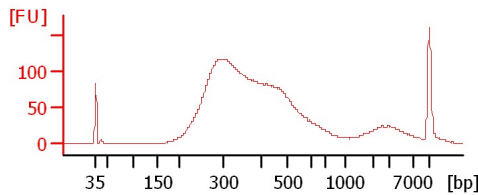
Chip Information:

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

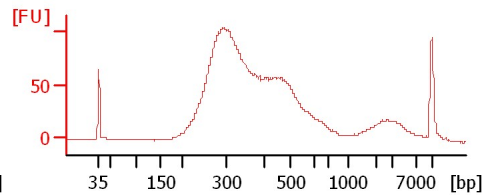
lib Jackie RnaseH I2



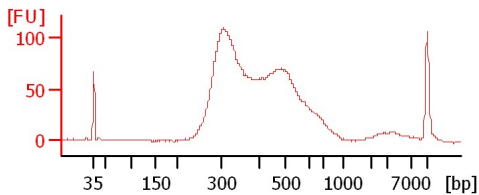
lib Jackie Sen I4



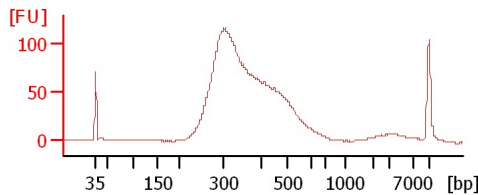
lib Jackie DKO I5



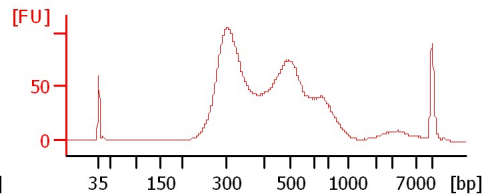
lib Bob G62 I13



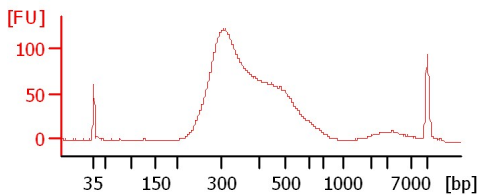
lib Bob H63 I14



lib Bob K65 I15



lib Bob K66 I16



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
Modified: 5/7/2018 2:23:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
lib Jackie RnaseH I2		<input type="checkbox"/>	✓			
lib Jackie Sen I4		<input type="checkbox"/>	✓			
lib Jackie DKO I5		<input type="checkbox"/>	✓			
lib Bob G62 I13		<input type="checkbox"/>	✓			
lib Bob H63 I14		<input type="checkbox"/>	✓			
lib Bob K65 I15		<input type="checkbox"/>	✓			
lib Bob K66 I16		<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\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
Modified: 5/7/2018 2:23:43 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

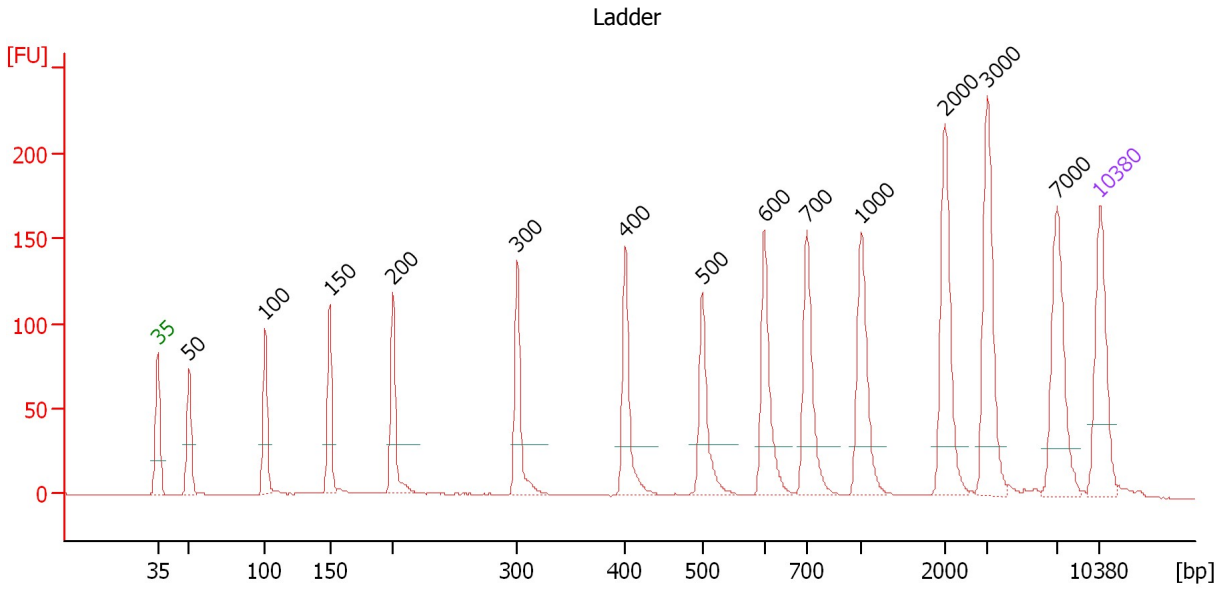
Ladder

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\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

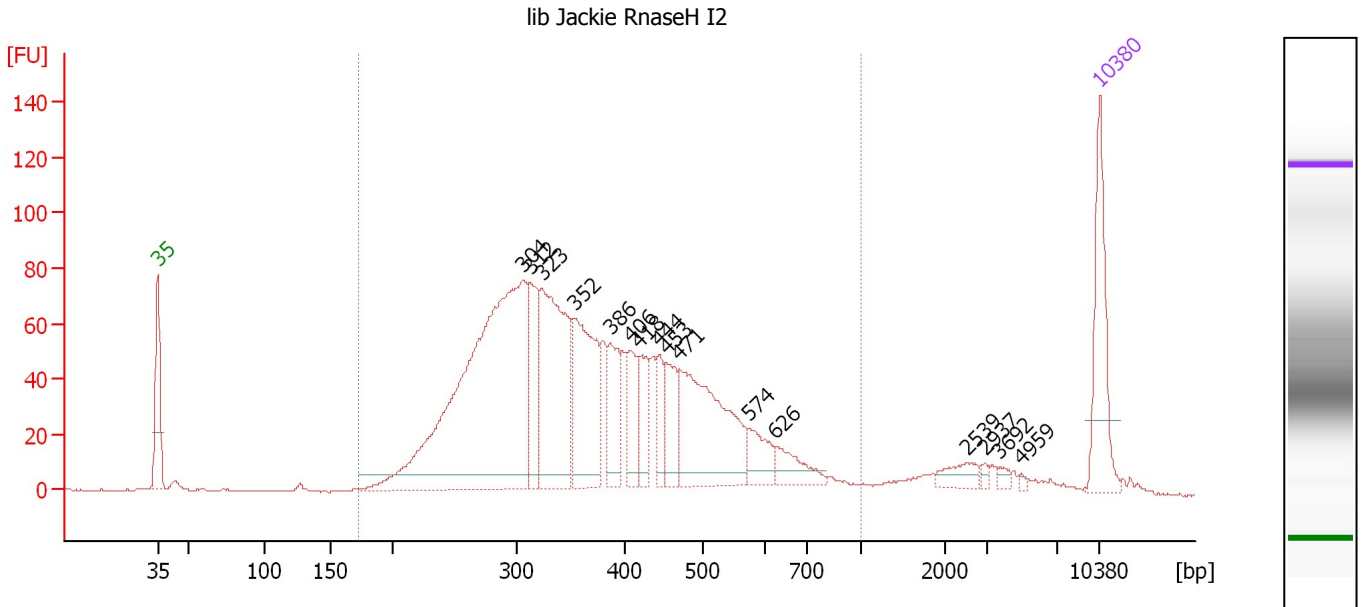
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.78
5	200	150.00	1,136.4	Ladder Peak	60.48
6	300	150.00	757.6	Ladder Peak	69.73
7	400	150.00	568.2	Ladder Peak	77.76
8	500	150.00	454.5	Ladder Peak	83.43
9	600	150.00	378.8	Ladder Peak	88.08
10	700	150.00	324.7	Ladder Peak	91.22
11	1,000	150.00	227.3	Ladder Peak	95.23
12	2,000	150.00	113.6	Ladder Peak	101.50
13	3,000	150.00	75.8	Ladder Peak	104.63
14	7,000	150.00	32.5	Ladder Peak	109.82
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : lib Jackie RnaseH I2

Number of peaks found: 16 Corr. Area 1: 1,849.7
 Noise: 0.3

Peak table for sample 1 : lib Jackie RnaseH I2

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	304	612.14	3,050.3		70.05
3	312	79.93	388.8		70.65
4	323	227.09	1,066.3		71.55
5	352	148.83	639.8		73.94
6	386	64.89	254.7		76.63
7	406	48.56	181.4		78.07
8	418	43.88	159.1		78.77
9	444	34.47	117.6		80.27
10	453	46.91	156.9		80.77
11	471	183.34	590.3		81.76
12	574	34.57	91.2		86.89
13	626	31.12	75.4		88.89
14	2,539	16.58	9.9		103.19
15	2,937	3.70	1.9		104.43
16	3,692	4.66	1.9		105.53
17	4,959	2.15	0.7		107.17
18	10,380	75.00	10.9	Upper Marker	113.00

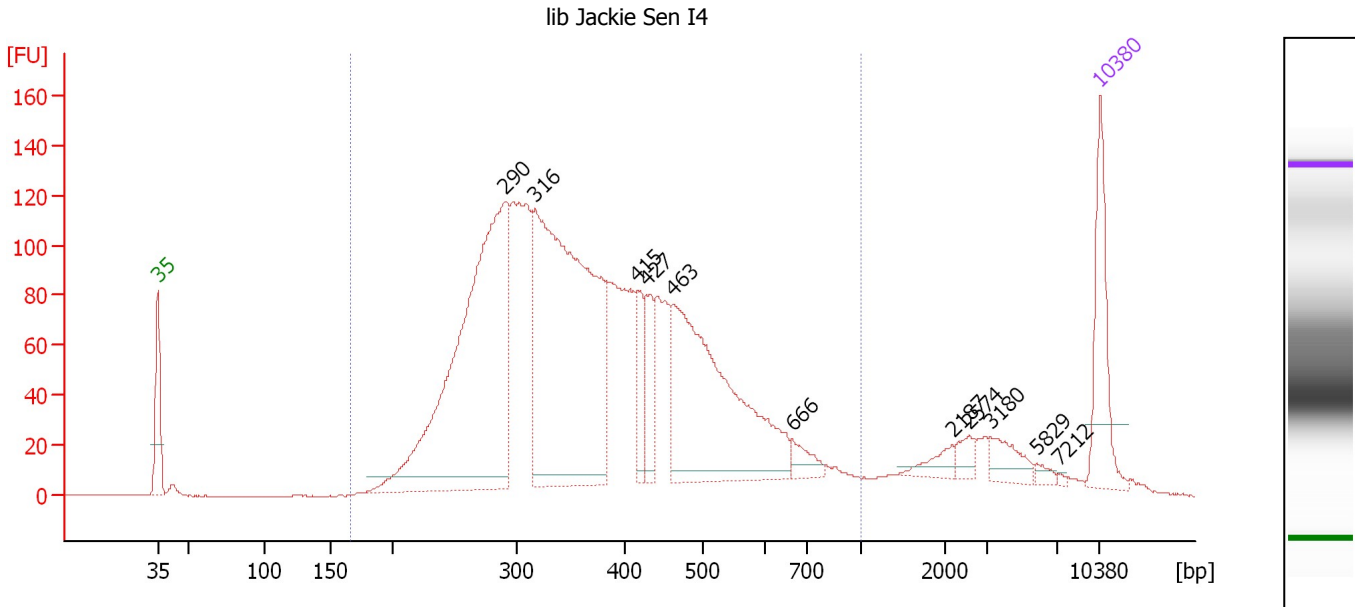
Region table for sample 1 : lib Jackie RnaseH I2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
174	1,000	384	1,798.43	1,849.7	8,005.2	93	31.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : lib Jackie Sen I4

Number of peaks found: 11 Corr. Area 1: 2,924.8
 Noise: 0.3

Peak table for sample 2 : lib Jackie Sen 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	290	647.51	3,386.3		68.78
3	316	650.42	3,120.0		71.00
4	415	50.16	182.9		78.63
5	427	48.97	173.8		79.29
6	463	354.07	1,159.6		81.31
7	666	20.92	47.6		90.16
8	2,187	14.97	10.4		102.08
9	2,574	12.50	7.4		103.30
10	3,180	24.76	11.8		104.86
11	5,829	5.91	1.5		108.30
12	7,212	1.72	0.4		110.02
13	10,380	75.00	10.9	Upper Marker	113.00

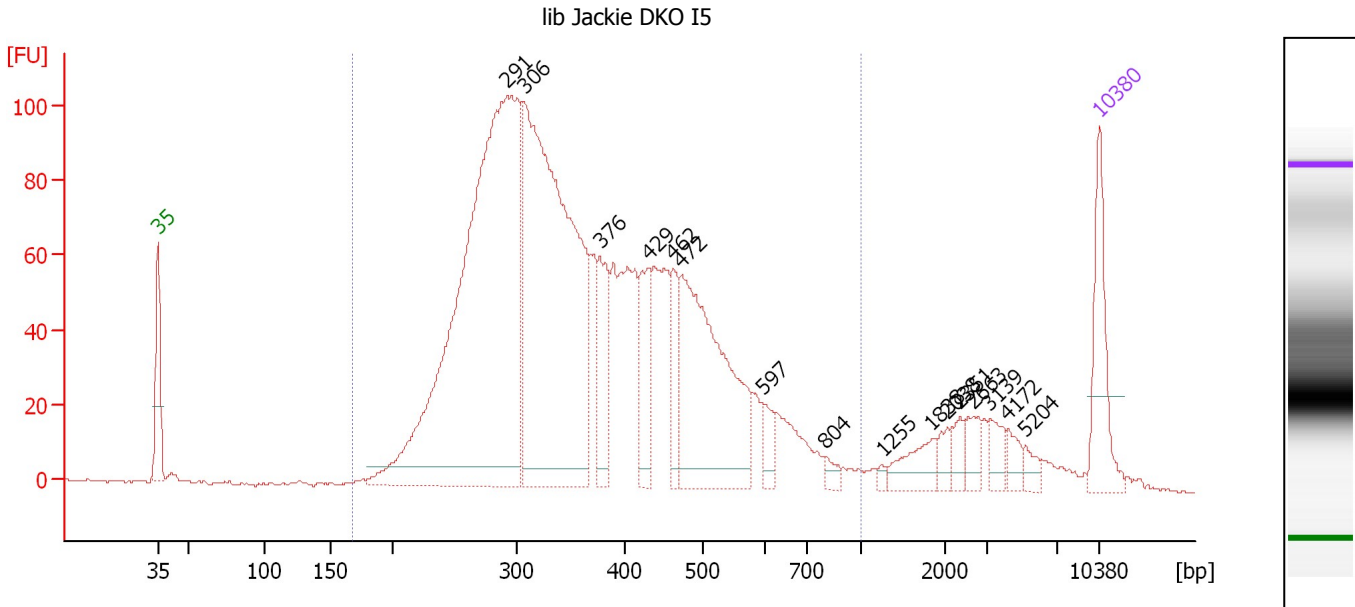
Region table for sample 2 : lib Jackie Sen I4

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
167	1,000	386	2,433.43	2,924.8	10,793.3	91	32.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : lib Jackie DKO I5

Number of peaks found: 16 Corr. Area 1: 2,265.1
 Noise: 0.3

Peak table for sample 3 : lib Jackie DKO 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	291	1,087.64	5,660.1		68.91
3	306	788.87	3,908.1		70.20
4	376	92.66	373.0		75.86
5	429	78.58	277.4		79.42
6	462	58.31	191.3		81.27
7	472	325.40	1,044.8		81.84
8	597	24.28	61.6		87.97
9	804	11.26	21.2		92.60
10	1,255	4.72	5.7		96.83
11	1,838	34.13	28.1		100.48
12	2,038	14.49	10.8		101.62
13	2,351	15.17	9.8		102.60
14	2,663	21.24	12.1		103.57
15	3,139	20.28	9.8		104.81
16	4,172	15.57	5.7		106.15
17	5,204	11.80	3.4		107.49
18	10,380	75.00	10.9	Upper Marker	113.00

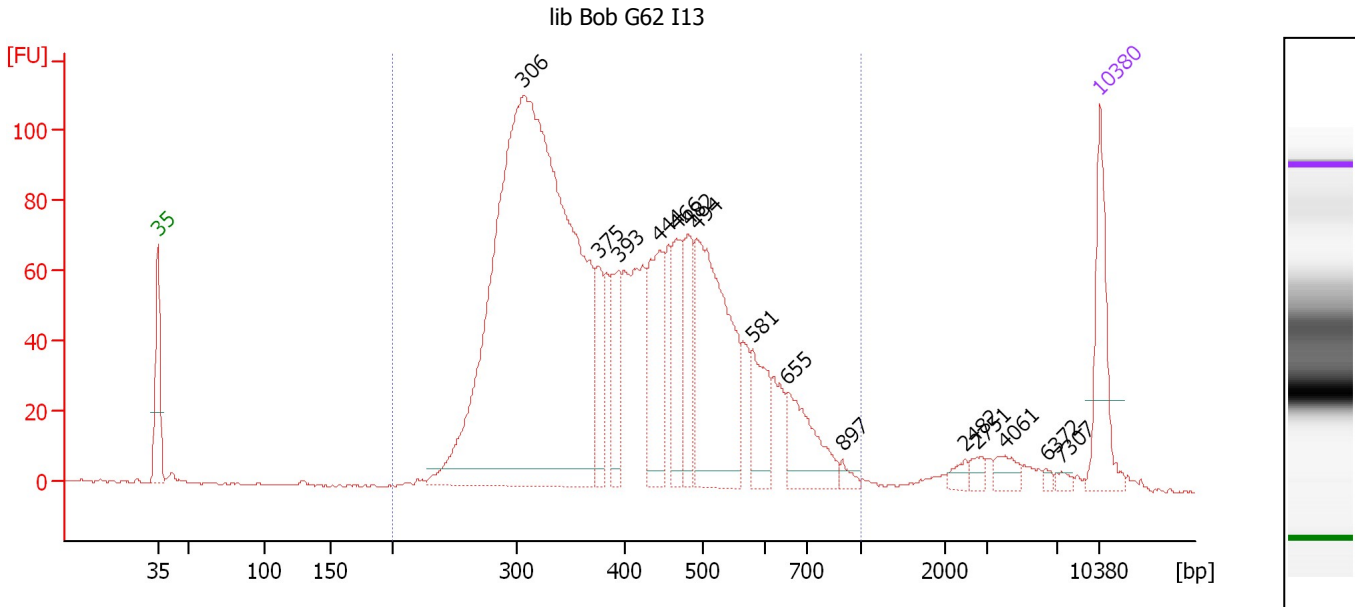
Region table for sample 3 : lib Jackie DKO I5

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
168	1,000	379	2,965.08	2,265.1	13,338.9	91	31.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : lib Bob G62 I13

Number of peaks found: 15 Corr. Area 1: 2,175.3
 Noise: 0.4

Peak table for sample 4 : lib Bob G62 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	306	1,420.26	7,037.8		70.19
3	375	67.13	271.1		75.76
4	393	68.42	263.9		77.18
5	444	124.87	426.4		80.24
6	466	84.35	274.3		81.50
7	482	73.91	232.5		82.39
8	494	283.65	870.5		83.08
9	581	66.49	173.5		87.18
10	655	81.85	189.3		89.81
11	897	8.74	14.8		93.86
12	2,482	8.88	5.4		103.01
13	2,751	9.04	5.0		103.85
14	4,061	14.94	5.6		106.01
15	6,372	3.77	0.9		109.00
16	7,307	4.99	1.0		110.11
17	10,380	75.00	10.9	Upper Marker	113.00

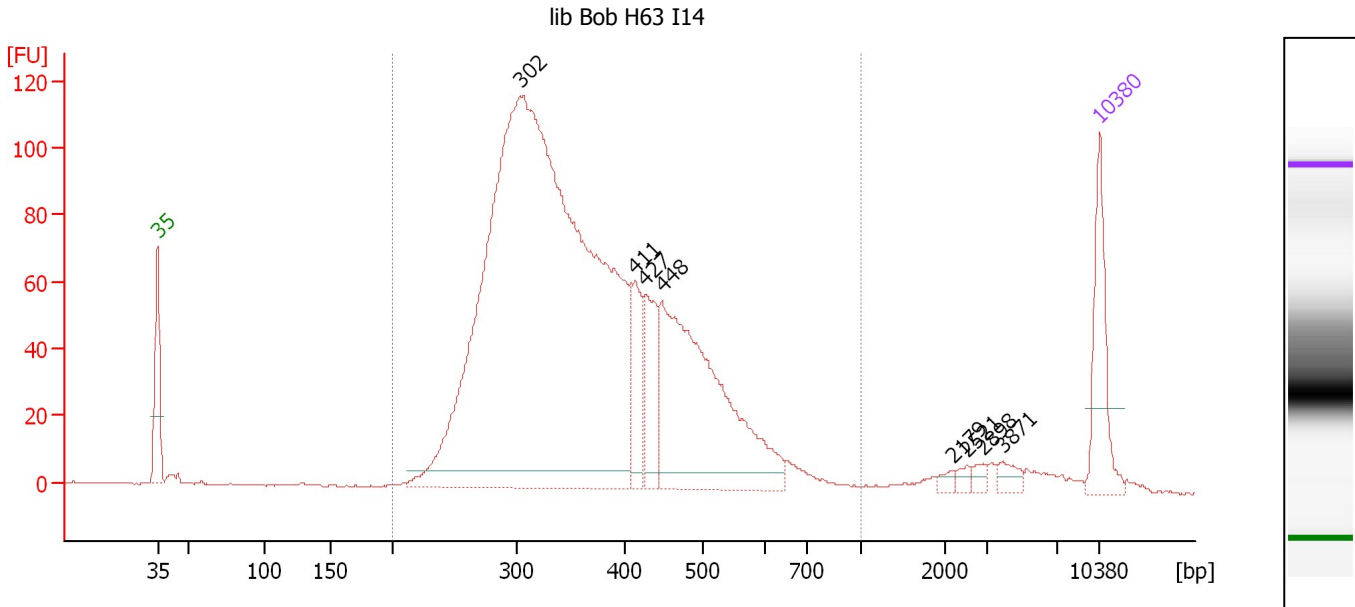
Region table for sample 4 : lib Bob G62 I13

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	414	2,631.28	2,175.3	10,708.6	95	29.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : lib Bob H63 I14

Number of peaks found: 8 Corr. Area 1: 2,039.6
 Noise: 0.3

Peak table for sample 5 : lib Bob H63 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	302	1,932.66	9,680.6		69.93
3	411	69.60	256.3		78.40
4	427	81.66	290.1		79.26
5	448	415.44	1,404.3		80.49
6	2,179	6.33	4.4		102.06
7	2,521	6.82	4.1		103.13
8	2,898	7.61	4.0		104.31
9	3,871	13.02	5.1		105.76
10	10,380	75.00	10.9	Upper Marker	113.00

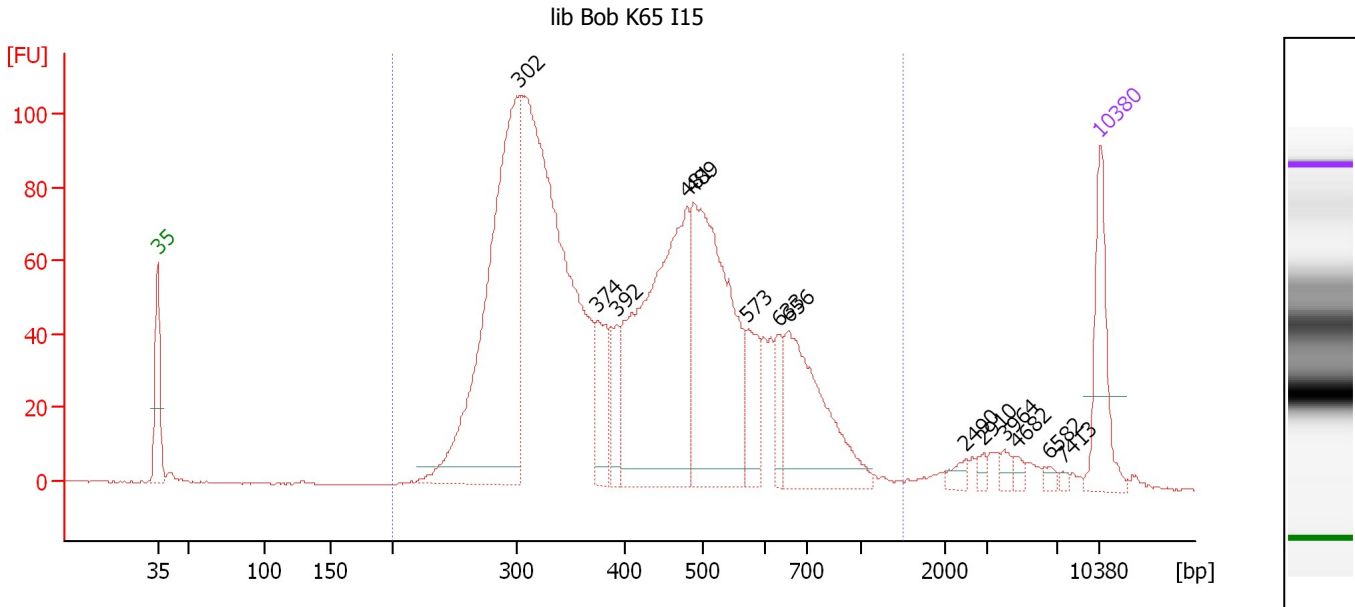
Region table for sample 5 : lib Bob H63 I14

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	374	2,449.59	2,039.6	10,753.9	95	26.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : lib Bob K65 I15

Number of peaks found: 14 Corr. Area 1: 2,103.9
 Noise: 0.2

Peak table for sample 6 : lib Bob K65 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	302	591.13	2,965.0		69.89
3	374	84.84	344.0		75.64
4	392	49.82	192.5		77.12
5	481	446.73	1,408.6		82.33
6	489	377.33	1,168.7		82.82
7	573	66.74	176.5		86.82
8	633	37.44	89.6		89.12
9	656	190.77	440.8		89.83
10	2,490	9.92	6.0		103.03
11	2,910	6.26	3.3		104.35
12	3,964	9.14	3.5		105.88
13	4,682	6.61	2.1		106.81
14	6,582	5.74	1.3		109.28
15	7,413	3.03	0.6		110.21
16	10,380	75.00	10.9	Upper Marker	113.00

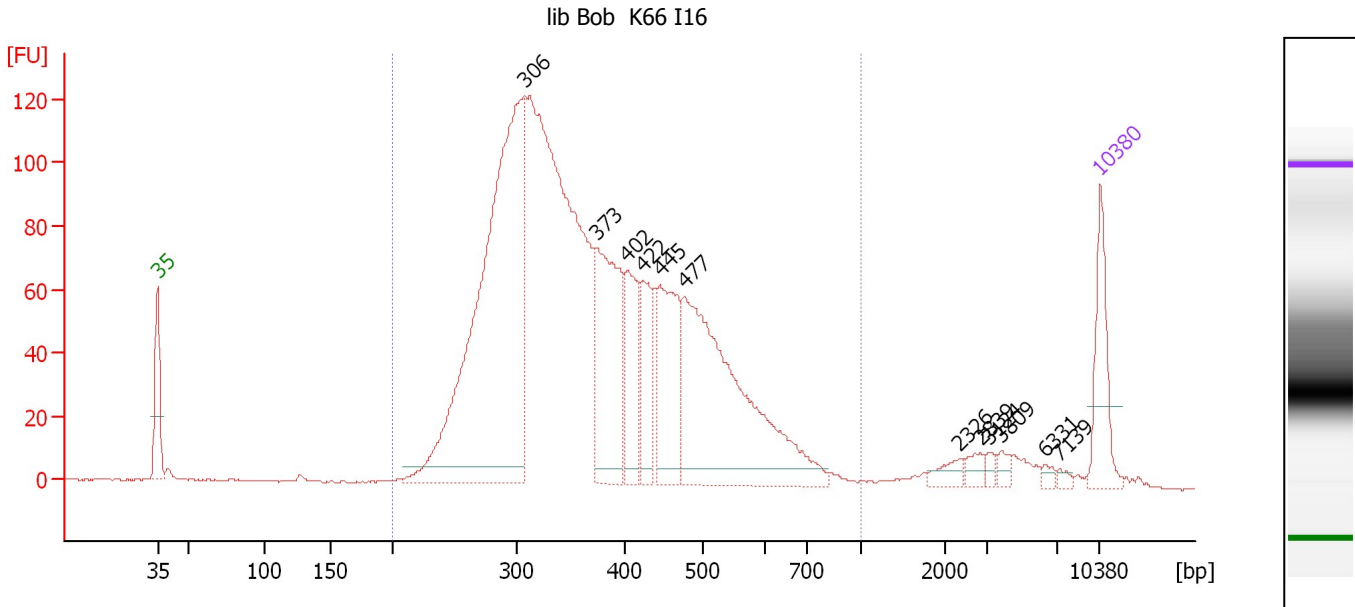
Region table for sample 6 : lib Bob K65 I15

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,501	440	2,702.76	2,103.9	10,775.7	95	36.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
 Modified: 5/7/2018 2:23:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : lib Bob K66 I16

Number of peaks found: 12 Corr. Area 1: 2,276.3
 Noise: 0.2

Peak table for sample 7 : lib Bob K66 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	306	951.03	4,704.1		70.23
3	373	267.70	1,086.4		75.61
4	402	123.83	466.3		77.89
5	422	105.53	379.0		79.00
6	445	182.78	621.9		80.33
7	477	498.73	1,585.5		82.10
8	2,326	17.00	11.1		102.52
9	2,839	14.93	8.0		104.13
10	3,124	7.29	3.5		104.79
11	3,809	11.08	4.4		105.68
12	6,331	6.39	1.5		108.95
13	7,139	5.59	1.2		109.95
14	10,380	75.00	10.9	Upper Marker	113.00

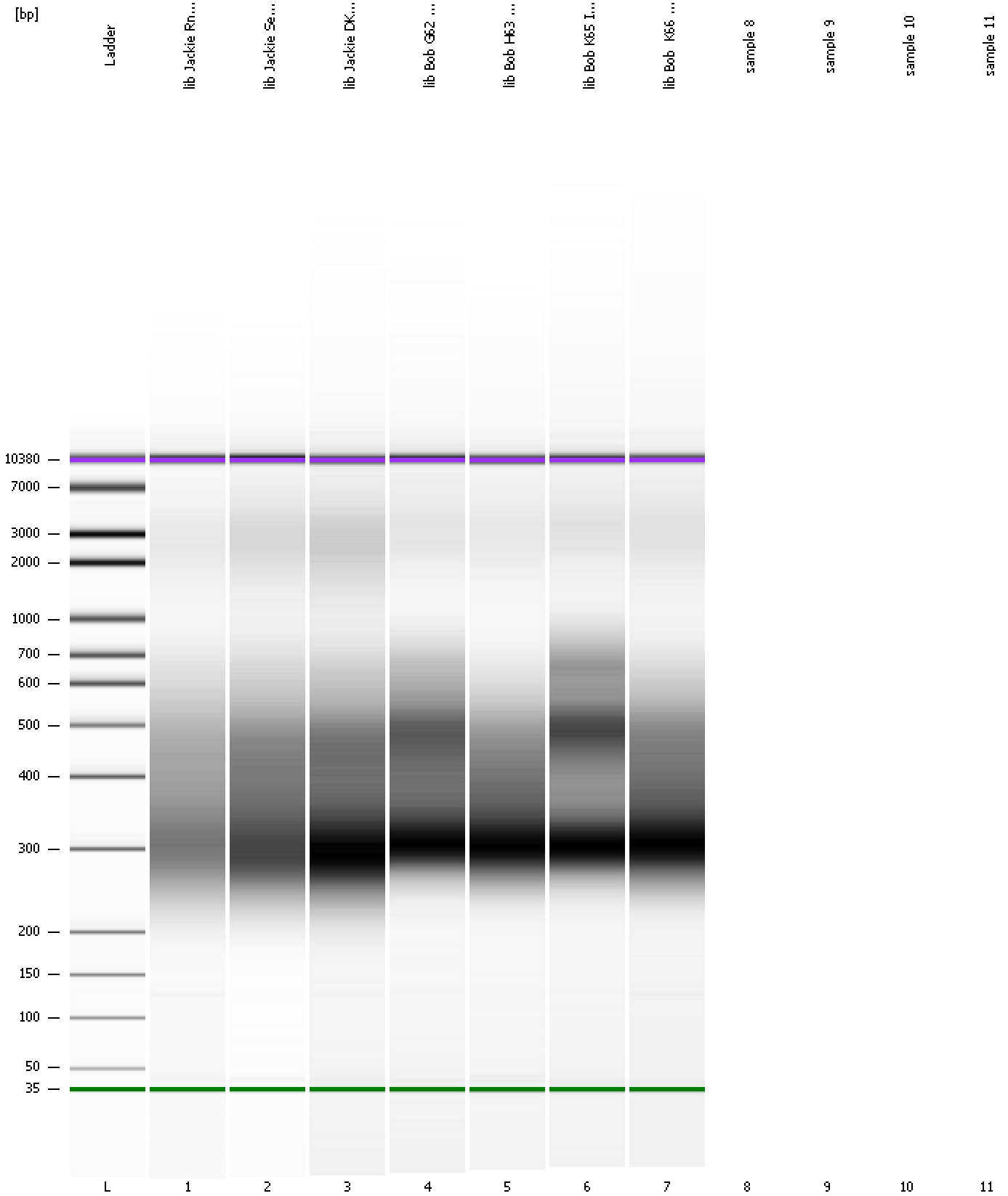
Region table for sample 7 : lib Bob K66 I16

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	384	3,239.59	2,276.3	14,018.2	93	28.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
Modified: 5/7/2018 2:23:43 PM

Gel Image

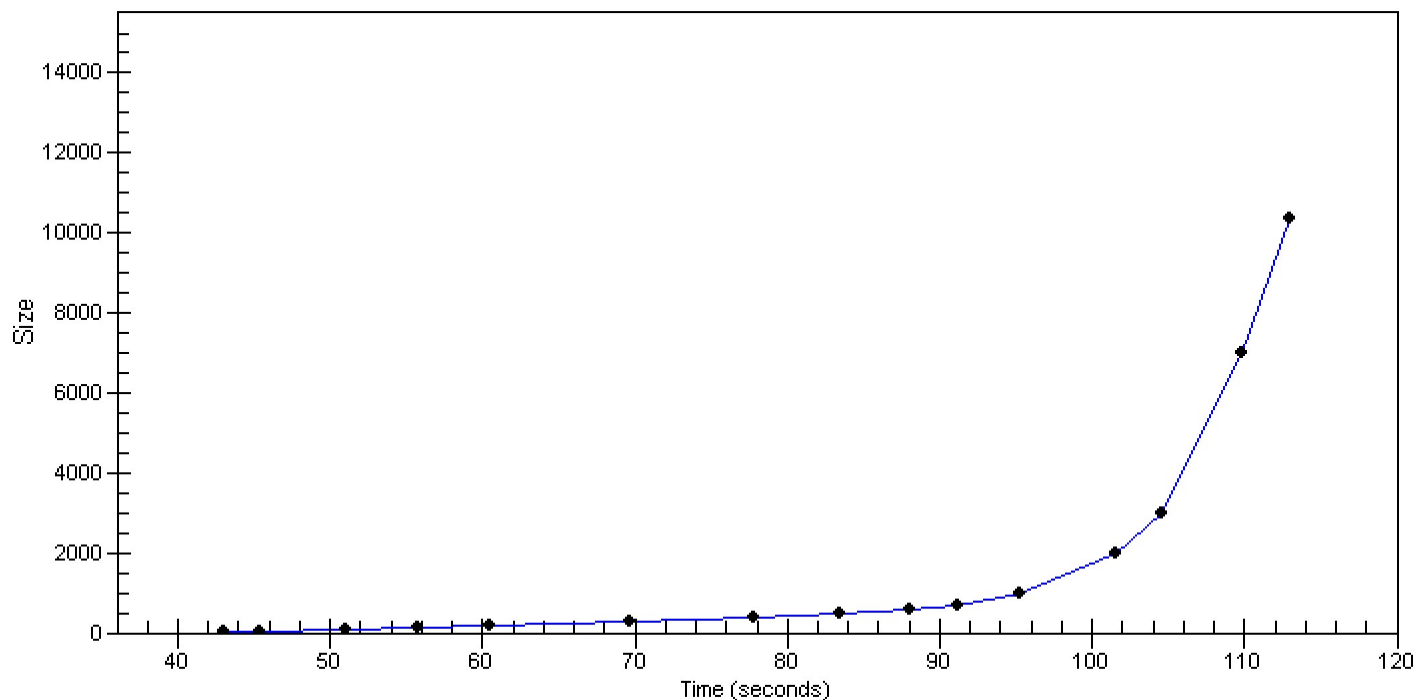


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
Modified: 5/7/2018 2:23:43 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-07\2018-05-07_001.xad

Created: 5/7/2018 1:52:06 PM
Modified: 5/7/2018 2:23:43 PM

Invalid Samples

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.