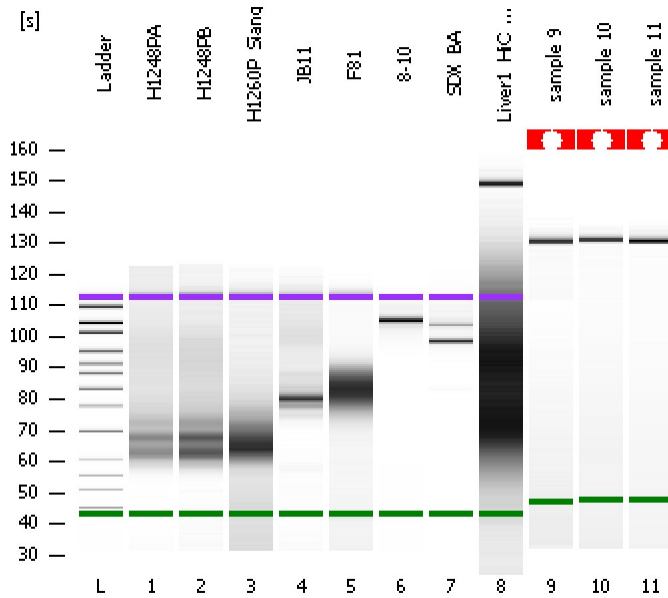


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
Modified: 1/17/2018 3:13:22 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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

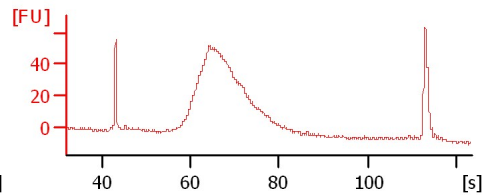
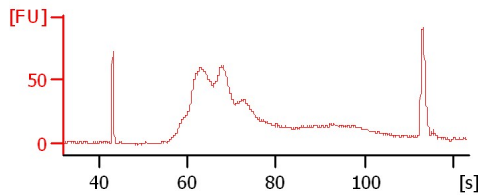
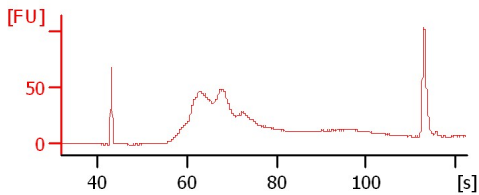
Chip Information:

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

H1248PA

H1248PB

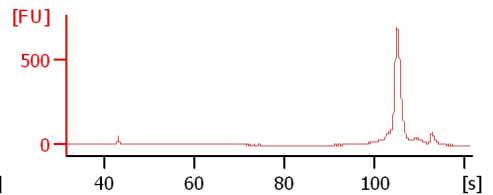
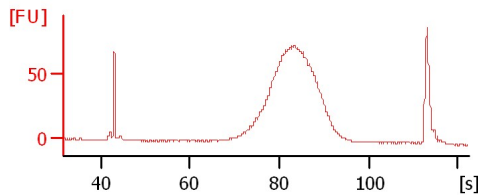
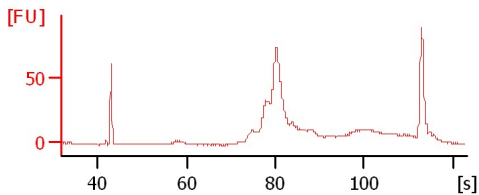
H1260P_Siang



JB11

F81

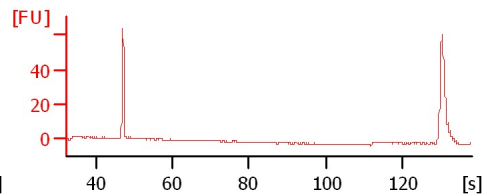
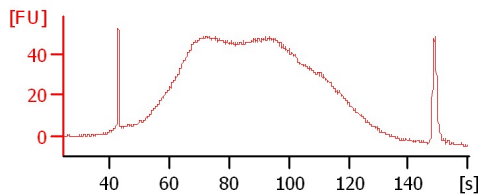
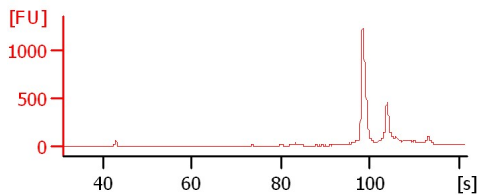
8-10



SDX_BA

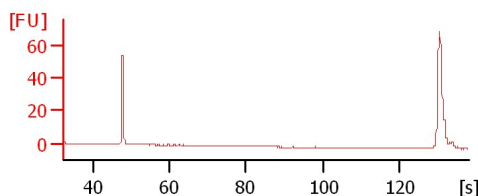
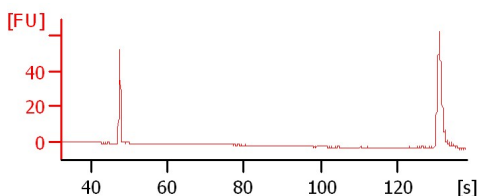
Liver1_HiC_shear_55sec

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H1248PA		<input type="checkbox"/>	✓			
H1248PB		<input type="checkbox"/>	✓			
H1260P_Siang		<input type="checkbox"/>	✓			
JB11		<input type="checkbox"/>	✓			
F81		<input type="checkbox"/>	✓			
8-10		<input type="checkbox"/>	✓			
SDX_BA		<input type="checkbox"/>	✓			
Liver1_HiC_shear_55sec		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

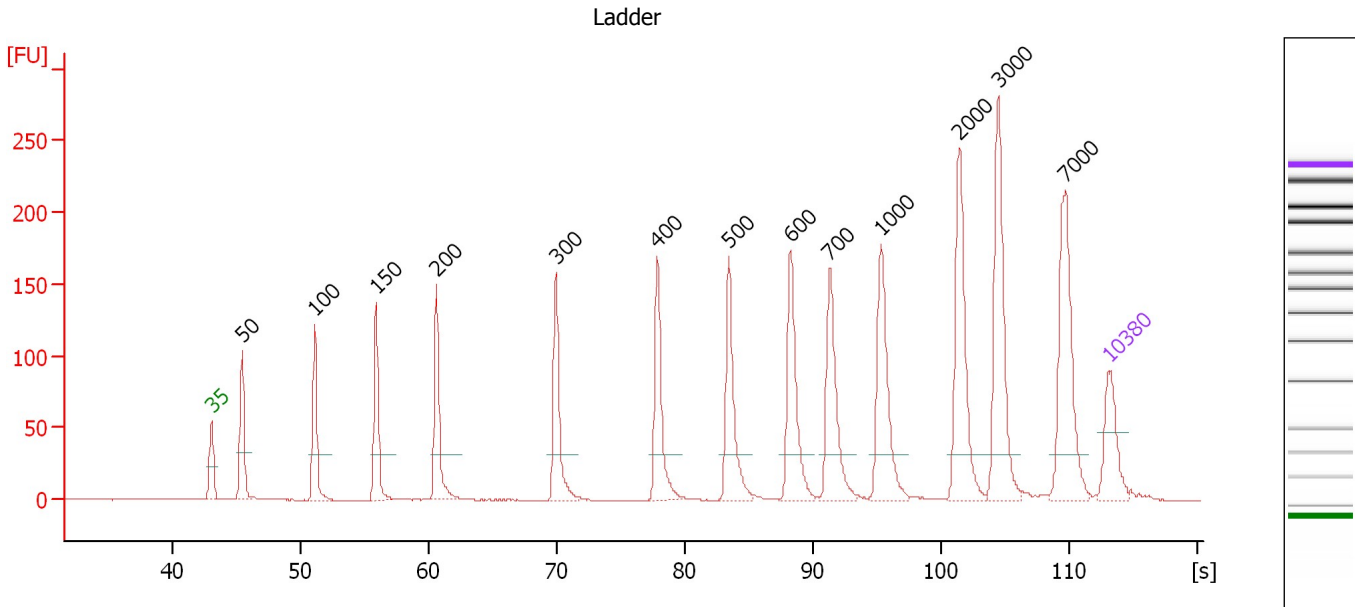
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

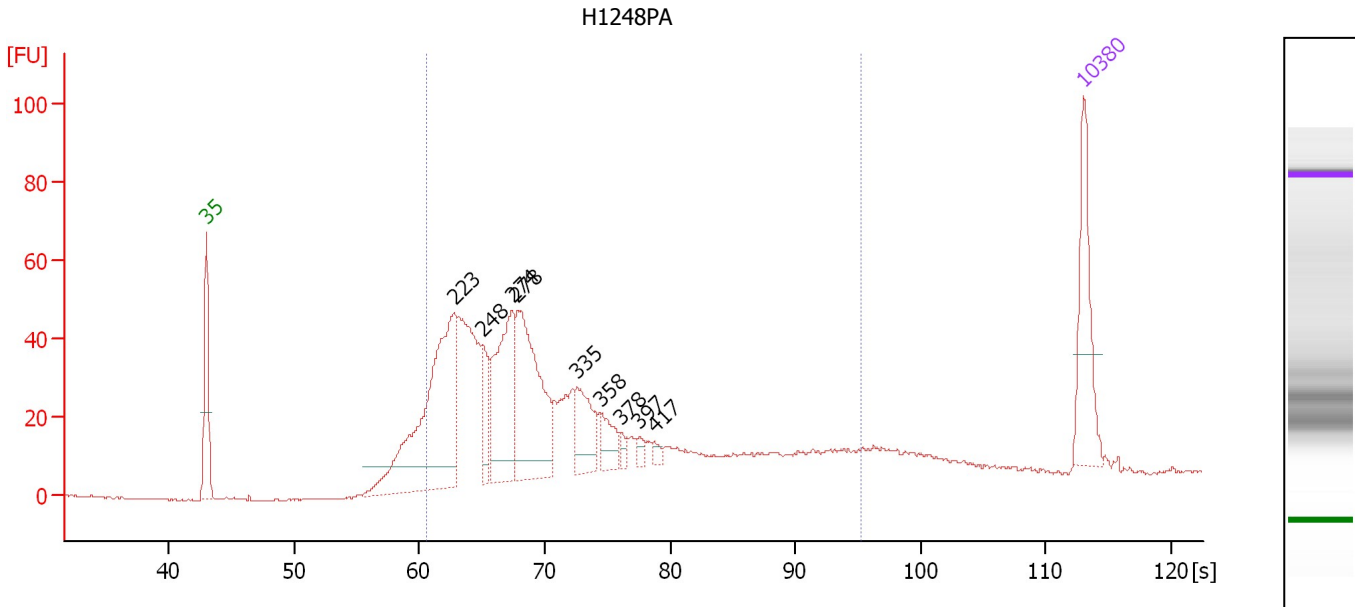
Peak table for Ladder

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	45.39
3	100	150.00	2,272.7	Ladder Peak	51.05
4	150	150.00	1,515.2	Ladder Peak	55.87
5	200	150.00	1,136.4	Ladder Peak	60.56
6	300	150.00	757.6	Ladder Peak	69.87
7	400	150.00	568.2	Ladder Peak	77.79
8	500	150.00	454.5	Ladder Peak	83.37
9	600	150.00	378.8	Ladder Peak	88.19
10	700	150.00	324.7	Ladder Peak	91.25
11	1,000	150.00	227.3	Ladder Peak	95.27
12	2,000	150.00	113.6	Ladder Peak	101.39
13	3,000	150.00	75.8	Ladder Peak	104.41
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : H1248PA

Number of peaks found: 9 Corr. Area 1: 939.5
 Noise: 0.2

Peak table for sample 1 : H1248PA

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	223	356.37	2,416.0		62.75
3	248	45.96	280.4		65.06
4	274	167.63	928.0		67.42
5	278	208.63	1,135.9		67.85
6	335	68.28	309.3		72.60
7	358	33.94	143.8		74.44
8	378	8.45	33.9		76.07
9	397	7.83	29.9		77.53
10	417	7.04	25.6		78.73
11	10,380	75.00	10.9	Upper Marker	113.00

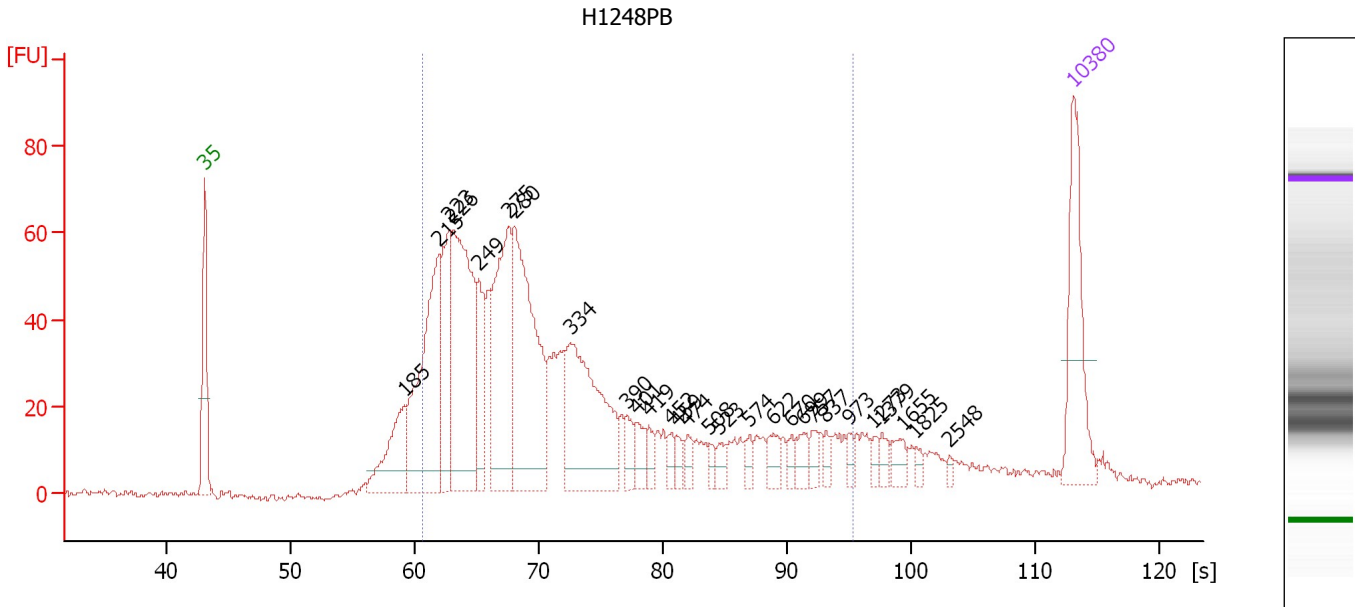
Region table for sample 1 : H1248PA

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	342	939.5	1,316.40	6,906.2	87	44.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : H1248PB

Number of peaks found: 28 Corr. Area 1: 1,305.9
 Noise: 0.8

Peak table for sample 2 : H1248PB

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	185	84.09	689.0		59.15
3	215	219.78	1,552.0		61.92
4	223	99.13	672.4		62.74
5	226	247.61	1,658.6		63.00
6	249	63.37	385.6		65.12
7	275	178.63	985.7		67.50
8	280	239.40	1,296.9		67.98
9	334	192.32	873.7		72.52
10	390	18.69	72.6		77.03
11	401	19.38	73.2		77.85
12	419	13.41	48.5		78.84
13	452	12.65	42.5		80.66
14	459	10.60	35.0		81.05
15	474	12.46	39.8		81.92
16	508	7.42	22.1		83.74
17	523	10.84	31.4		84.47
18	574	10.02	26.4		86.94
19	622	14.82	36.1		88.84
20	670	9.17	20.7		90.32
21	699	15.14	32.8		91.23
22	757	11.15	22.3		92.00
23	837	8.46	15.3		93.09
24	973	7.71	12.0		94.90
25	1,273	6.82	8.1		96.94

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : H1248PB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,379	8.83	9.7		97.59
27	1,655	11.67	10.7		99.28
28	1,825	5.22	4.3		100.32
29	2,548	2.89	1.7		103.04
30	10,380	75.00	10.9	Upper Marker	113.00

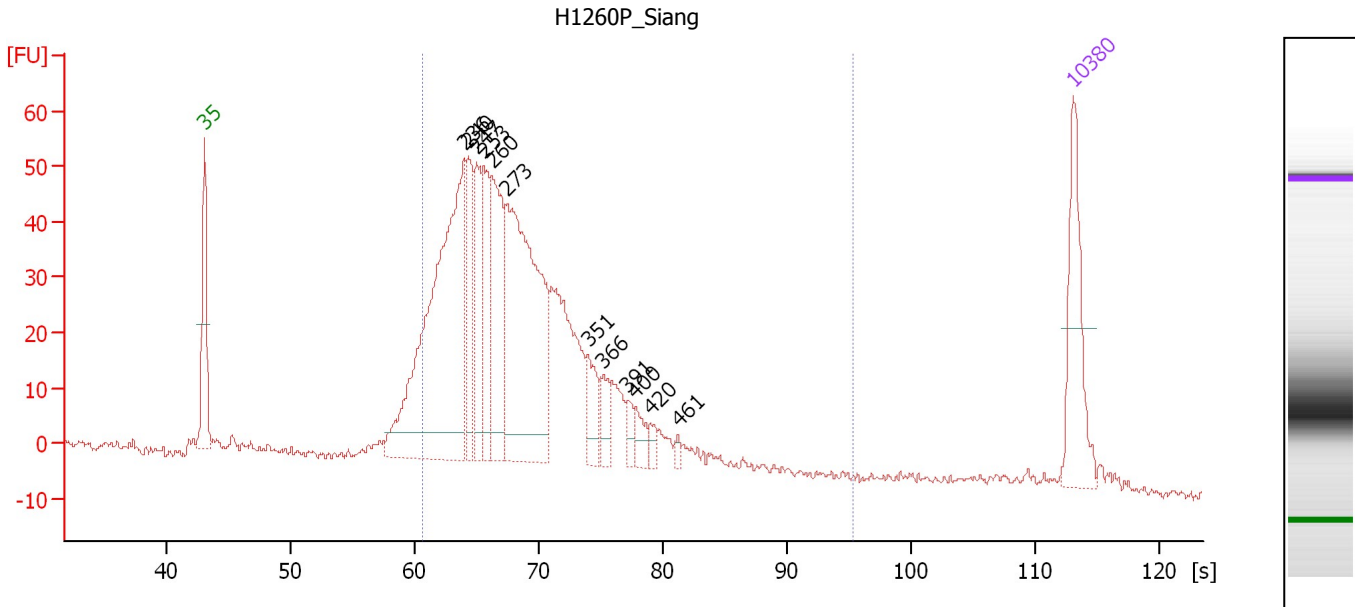
Region table for sample 2 : H1248PB

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	352	1,305.9	1,562.48	8,112.3	85	46.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : H1260P_Siang

Number of peaks found: 12 Corr. Area 1: 996.3
 Noise: 0.7

Peak table for sample 3 : H1260P_Siang

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	236	473.89	3,042.9		63.91
3	240	84.77	535.9		64.26
4	247	106.89	656.6		64.90
5	253	79.48	475.7		65.51
6	260	146.98	856.0		66.16
7	273	358.54	1,988.6		67.37
8	351	41.62	179.6		73.91
9	366	26.57	109.9		75.12
10	391	14.58	56.5		77.11
11	400	18.53	70.2		77.76
12	420	8.08	29.1		78.93
13	461	5.77	19.0		81.18
14	10,380	75.00	10.9	Upper Marker	113.00

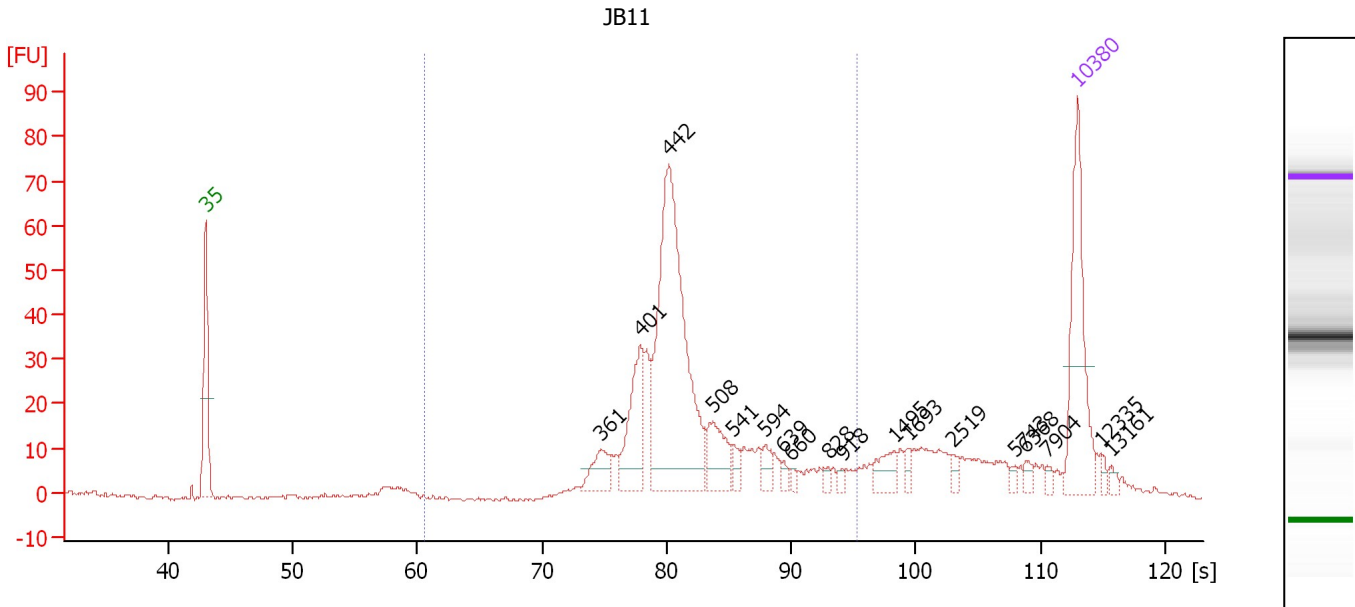
Region table for sample 3 : H1260P_Siang

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	296	996.3	1,605.01	8,801.5	87	28.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JB11

Number of peaks found: 18 Corr. Area 1: 486.6
 Noise: 0.4

Peak table for sample 4 : JB11

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	361	24.57	103.2		74.68
3	401	65.14	245.8		77.87
4	442	272.09	931.8		80.16
5	508	36.48	108.9		83.73
6	541	9.24	25.9		85.33
7	594	11.46	29.2		87.91
8	639	4.28	10.2		89.38
9	660	3.50	8.0		90.03
10	828	3.99	7.3		92.96
11	918	3.34	5.5		94.16
12	1,495	15.66	15.9		98.30
13	1,693	5.46	4.9		99.51
14	2,519	4.37	2.6		102.96
15	5,743	3.11	0.8		108.00
16	6,368	4.69	1.1		108.82
17	7,904	3.03	0.6		110.54
18	10,380	75.00	10.9	Upper Marker	113.00
19	12,335	0.00	0.0		114.94
20	13,161	0.00	0.0		115.76

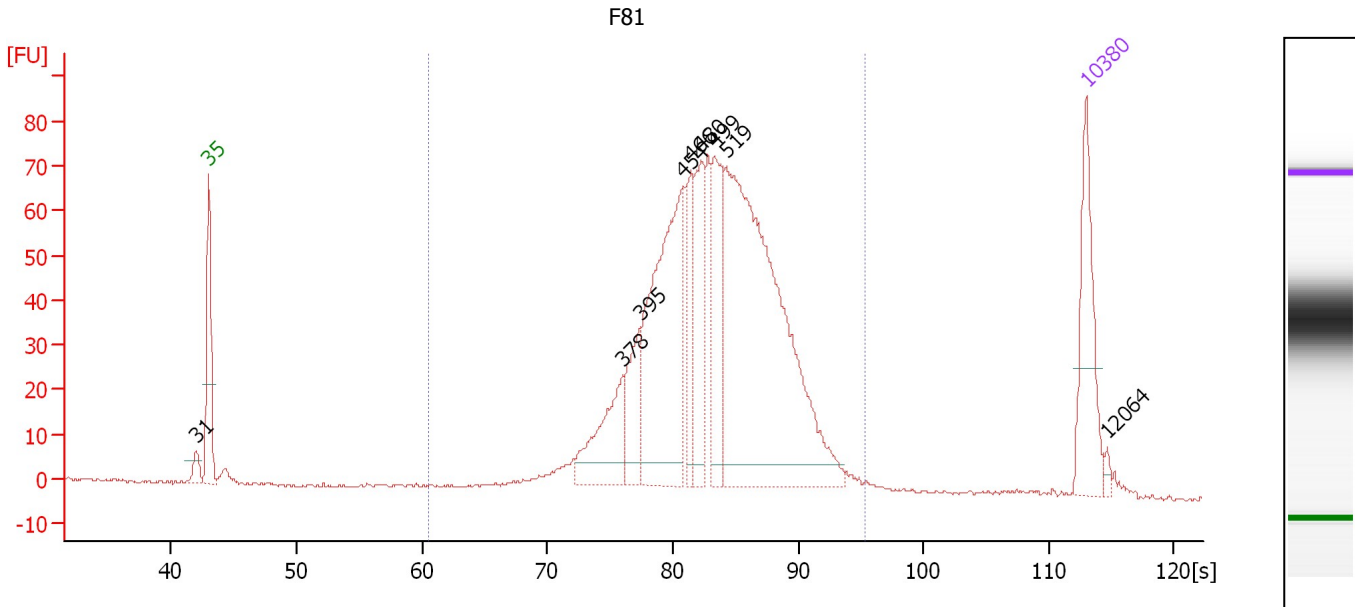
Region table for sample 4 : JB11

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	487	486.6	556.26	1,828.7	75	24.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : F81

Number of peaks found: 9 Corr. Area 1: 1,161.1
 Noise: 0.4

Peak table for sample 5 : F81

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	378	91.18	365.7		76.03
4	395	63.87	245.0		77.40
5	454	266.85	889.6		80.83
6	466	61.70	200.6		81.47
7	480	89.86	283.7		82.24
8	499	108.06	328.1		83.31
9	519	519.14	1,514.6		84.30
10	10,380	75.00	10.9	Upper Marker	113.00
11	12,064	0.00	0.0		114.67

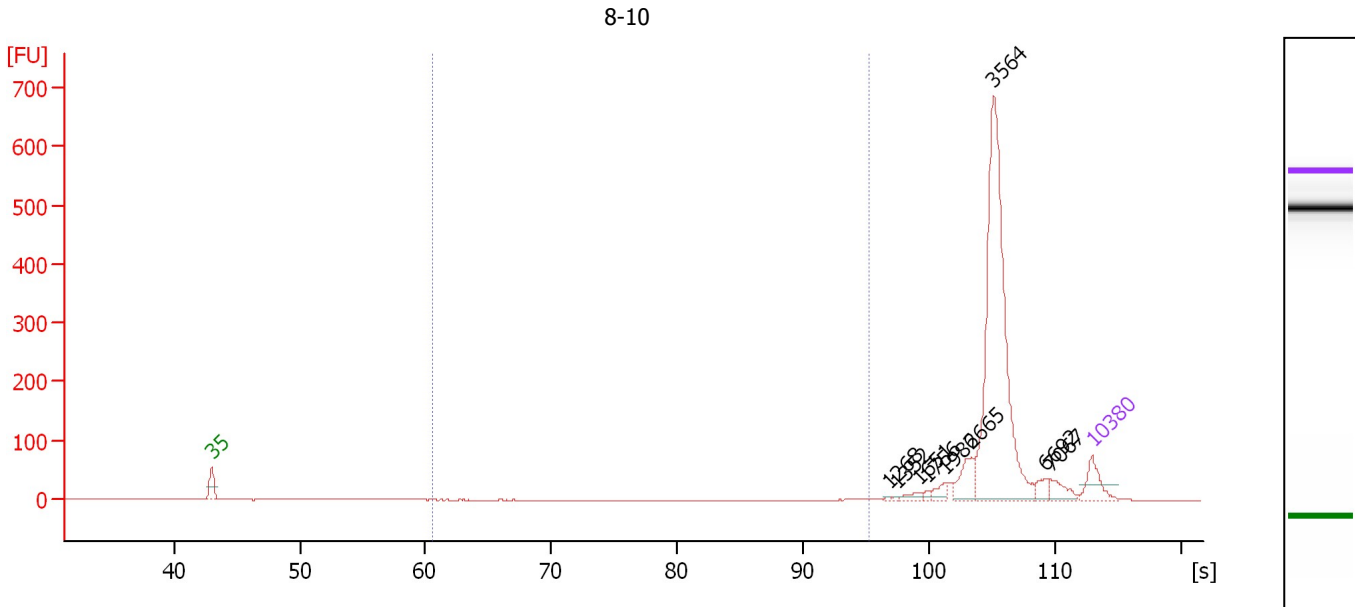
Region table for sample 5 : F81

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	505	1,161.1	1,318.02	4,174.7	96	20.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 8-10

Number of peaks found: 9 Corr. Area 1: 4.6
 Noise: 0.2

Peak table for sample 6 : 8-10

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	1,268	3.37	4.0		96.91
3	1,352	4.14	4.6		97.42
4	1,651	20.83	19.1		99.26
5	1,756	8.86	7.6		99.90
6	1,986	30.40	23.2		101.30
7	2,665	87.94	50.0		103.40
8	3,564	1,048.47	445.7		105.15
9	6,692	34.52	7.8		109.24
10	7,067	52.52	11.3		109.71
11	10,380	75.00	10.9	Upper Marker	113.00

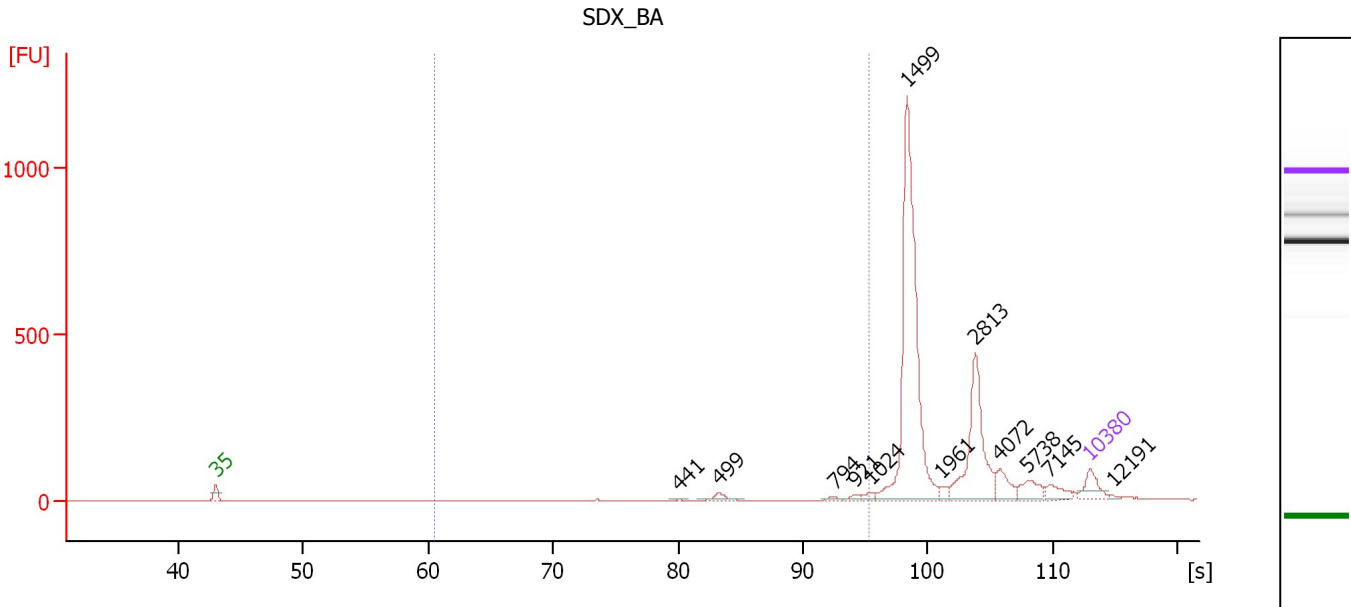
Region table for sample 6 : 8-10

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	906	4.6	4.96	8.4	0	9.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SDX_BA

Number of peaks found: 12 Corr. Area 1: 67.8
 Noise: 0.3

Peak table for sample 7 : SDX_BA

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	441	5.77	19.8		80.05
3	499	38.68	117.5		83.31
4	794	11.65	22.2		92.50
5	921	15.27	25.1		94.22
6	1,024	19.03	28.2		95.41
7	1,499	1,215.99	1,229.0		98.32
8	1,961	23.00	17.8		101.15
9	2,813	425.40	229.1		103.84
10	4,072	86.70	32.3		105.81
11	5,738	72.75	19.2		107.99
12	7,145	52.57	11.1		109.79
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,191	0.00	0.0		114.80

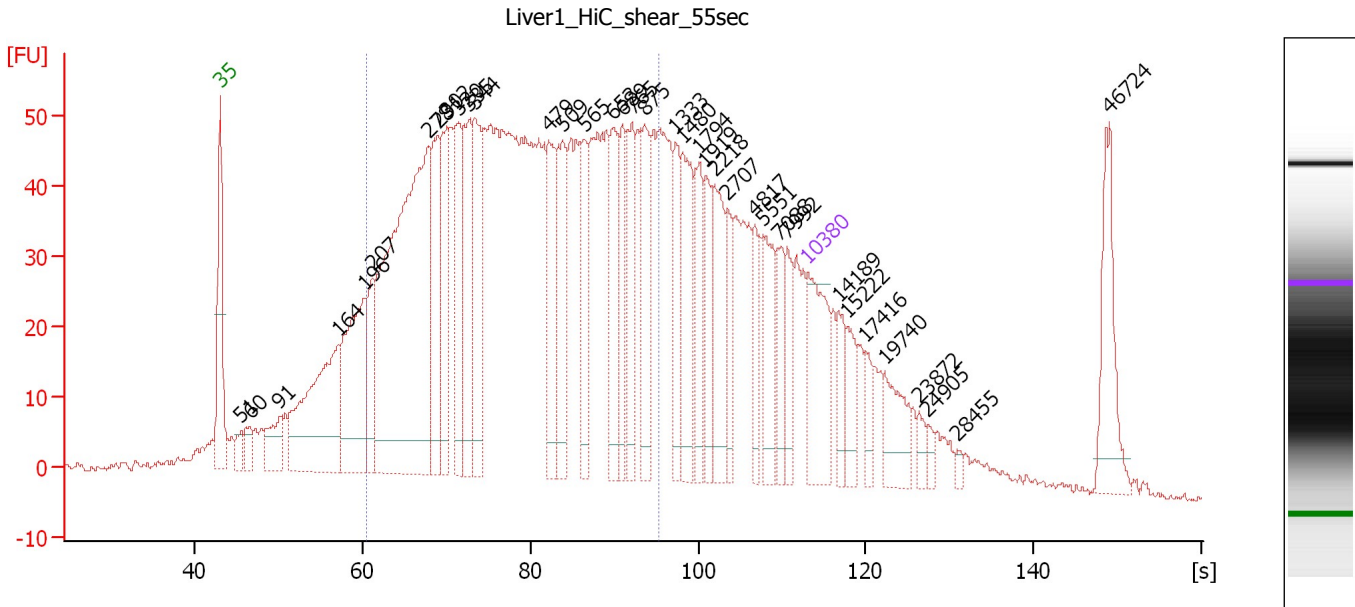
Region table for sample 7 : SDX_BA

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	728	67.8	62.72	148.7	3	28.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Liver1 HiC shear 55sec

Number of peaks found: 37 Corr. Area 1: 1,704.4
 Noise: 0.6

Peak table for sample 8 : Liver1 HiC shear 55sec

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	51	17.81	529.7		45.50
3	60	24.94	629.7		46.52
4	91	53.45	888.7		50.04
5	164	246.89	2,285.3		57.15
6	196	181.05	1,401.4		60.16
7	207	74.11	541.4		61.25
8	278	567.99	3,092.3		67.85
9	291	110.60	576.5		69.00
10	302	117.82	591.1		70.03
11	320	102.01	483.3		71.44
12	335	105.97	479.1		72.65
13	344	116.66	513.8		73.36
14	479	88.37	279.5		82.19
15	509	111.26	331.2		83.80
16	565	66.48	178.4		86.49
17	653	80.17	185.9		89.82
18	689	61.83	136.0		90.90
19	765	78.52	155.4		92.12
20	875	77.99	135.0		93.59
21	1,333	50.80	57.7		97.31
22	1,480	81.51	83.5		98.21
23	1,794	53.46	45.2		100.13
24	1,919	44.49	35.1		100.90
25	2,218	69.17	47.2		102.05

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
 Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : Liver1 HiC shear 55sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,707	33.51	18.8		103.52
27	4,817	31.01	9.8		106.79
28	5,551	56.60	15.4		107.75
29	7,088	32.96	7.0		109.73
30	7,992	33.33	6.3		110.63
31	10,380	75.00	10.9	Upper Marker	113.00
32	14,189	0.00	0.0		116.78
33	15,222	0.00	0.0		117.80
34	17,416	0.00	0.0		119.98
35	19,740	0.00	0.0		122.29
36	23,872	0.00	0.0		126.39
37	24,905	0.00	0.0		127.41
38	28,455	0.00	0.0		130.93
39	46,724	0.00	0.0		149.06

Region table for sample 8 : Liver1 HiC shear 55sec

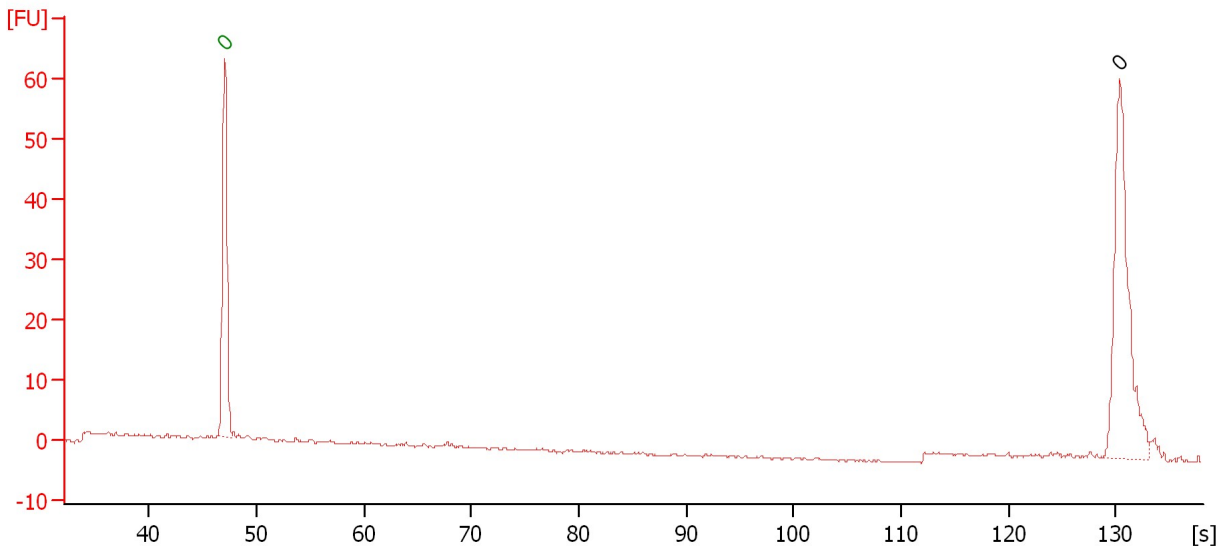
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	464	1,704.4	3,008.09	12,275.2	60	41.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...

sample 9



Overall Results for sample 9 : sample 9

Number of peaks found: 1 Noise: 0.2

Peak table for sample 9 : sample 9

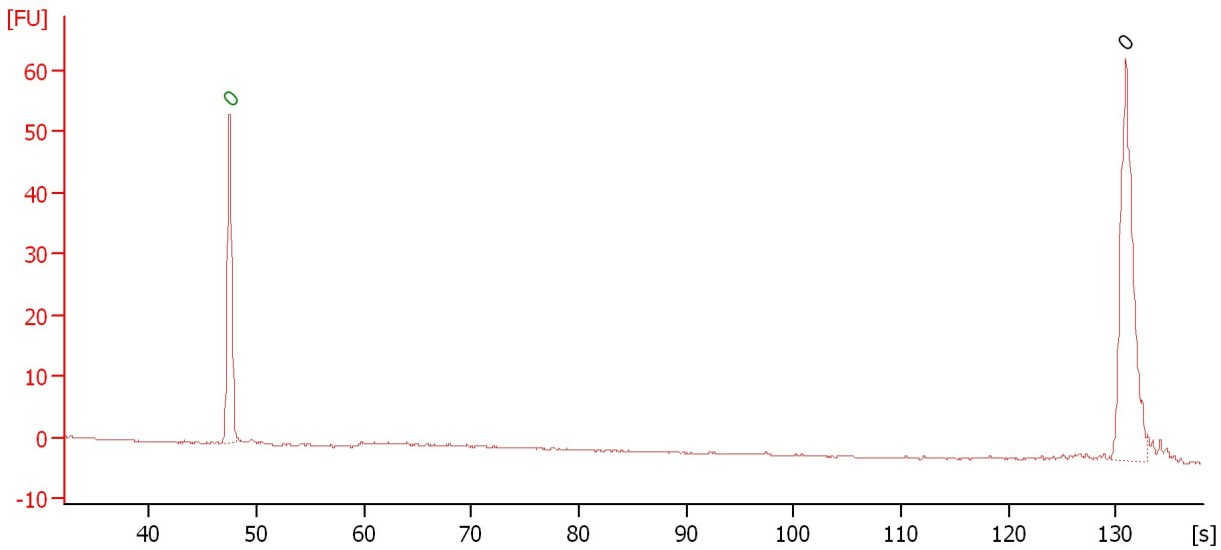
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	47.05
2	0	0.00	0.0		130.35

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...

sample 10



Overall Results for sample 10 : sample 10

Number of peaks found: 1 Noise: 0.1

Peak table for sample 10 : sample 10

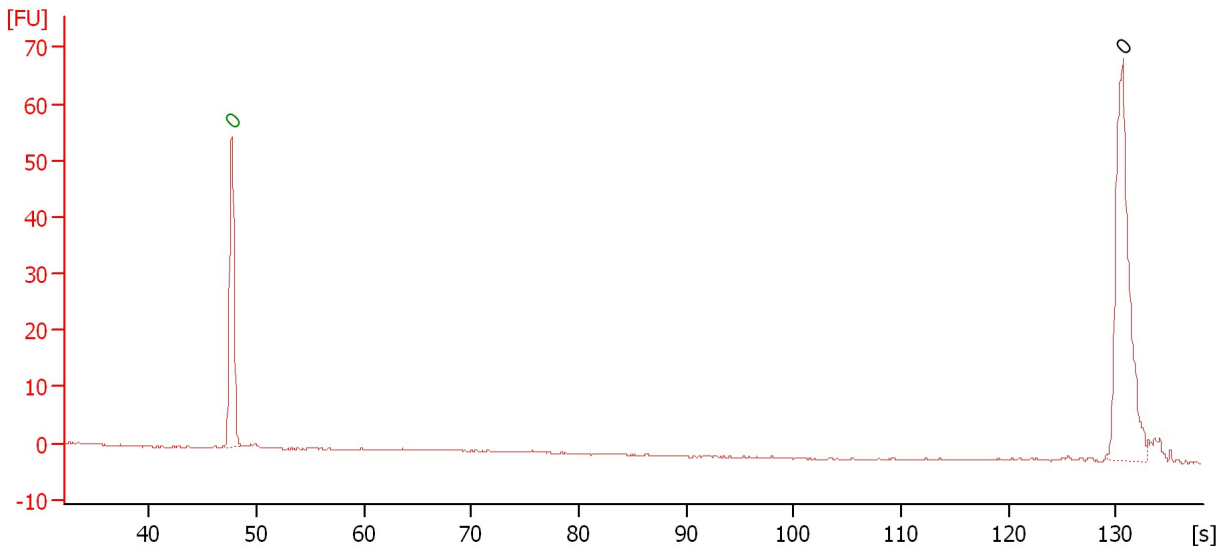
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	47.50
2	0	0.00	0.0		130.95

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
Modified: 1/17/2018 3:13:22 PM

Electropherogram Summary Continued ...

sample 11



Overall Results for sample 11 : sample 11

Number of peaks found: 1 Noise: 0.1

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	47.70
2	0	0.00	0.0		130.60

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-17\2018-01-17_002.xad

Created: 1/17/2018 2:32:02 PM
Modified: 1/17/2018 3:13:22 PM

Gel Image

