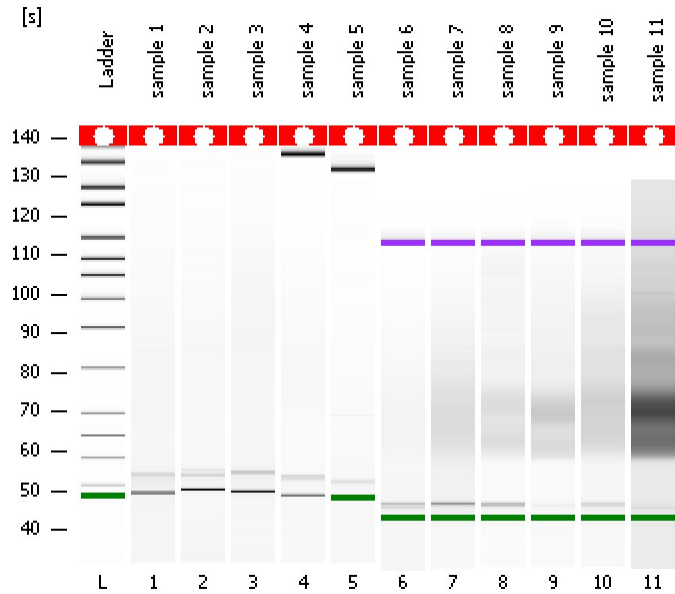


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 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

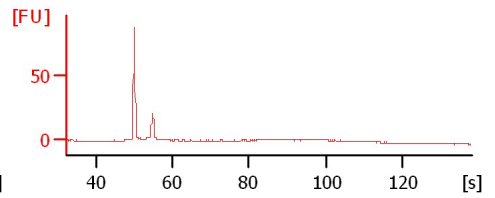
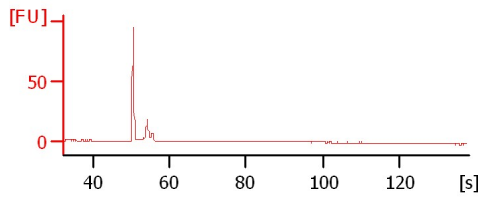
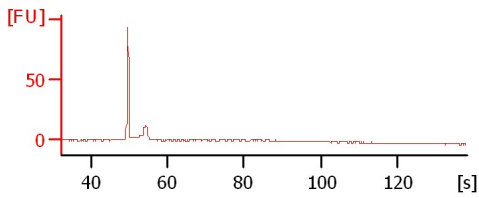
Chip Information:

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

sample 1

sample 2

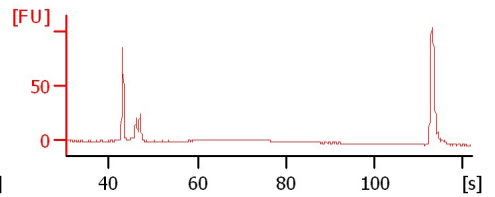
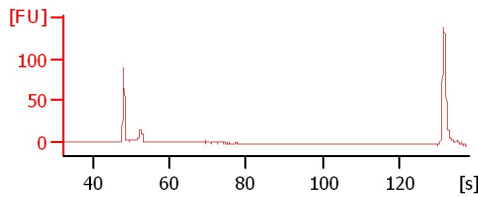
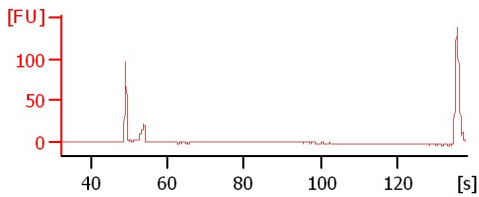
sample 3



sample 4

sample 5

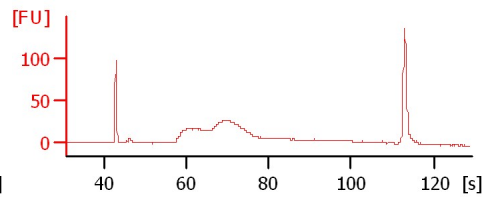
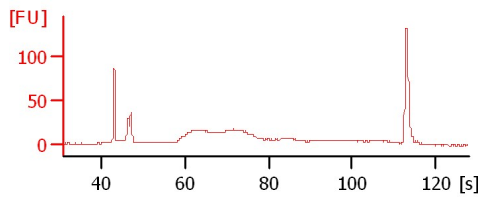
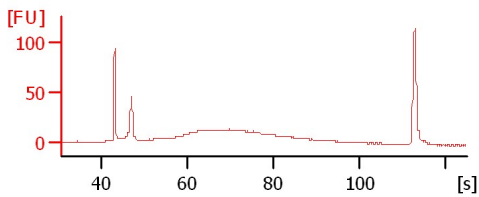
sample 6



sample 7

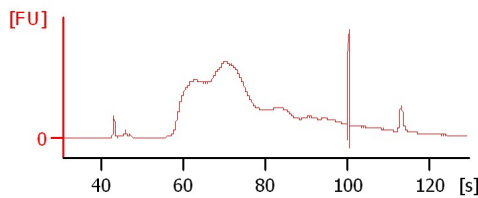
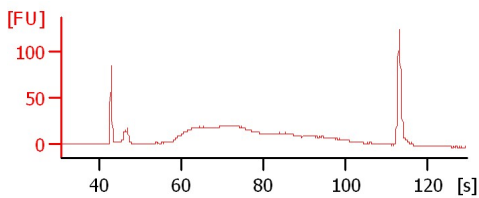
sample 8

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
 Modified: 10/24/2018 11:11:15 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<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\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 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

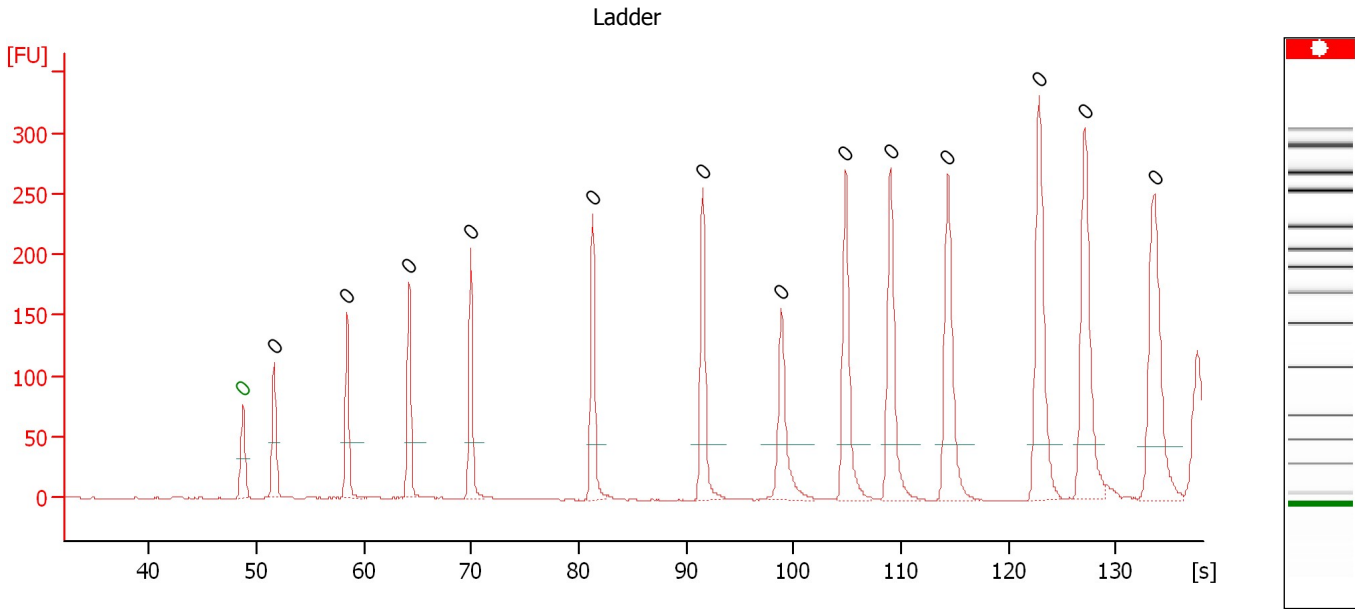
Ladder

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\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

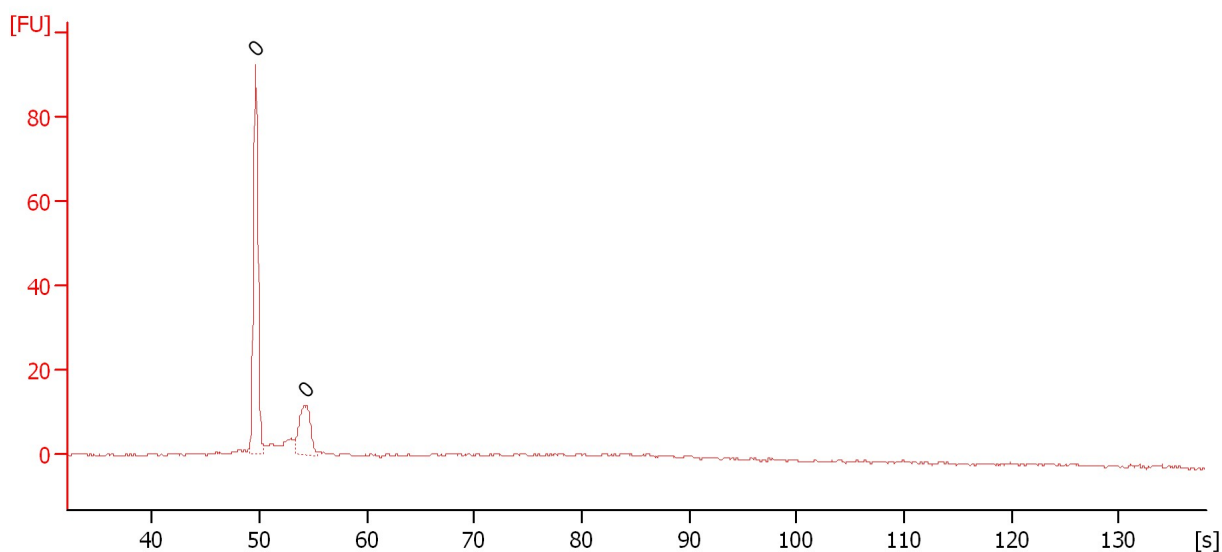
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	48.75
2	0	0.00	0.0	Ladder Peak	51.65
3	0	0.00	0.0	Ladder Peak	58.45
4	0	0.00	0.0	Ladder Peak	64.20
5	0	0.00	0.0	Ladder Peak	69.95
6	0	0.00	0.0	Ladder Peak	81.30
7	0	0.00	0.0	Ladder Peak	91.55
8	0	0.00	0.0	Ladder Peak	98.85
9	0	0.00	0.0	Ladder Peak	104.85
10	0	0.00	0.0	Ladder Peak	109.05
11	0	0.00	0.0	Ladder Peak	114.35
12	0	0.00	0.0	Ladder Peak	122.85
13	0	0.00	0.0	Ladder Peak	127.10
14	0	0.00	0.0	Ladder Peak	133.60

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...

sample 1

**Overall Results for sample 1 : sample 1**

Number of peaks found: 0 Noise: 0.2

Peak table for sample 1 : sample 1

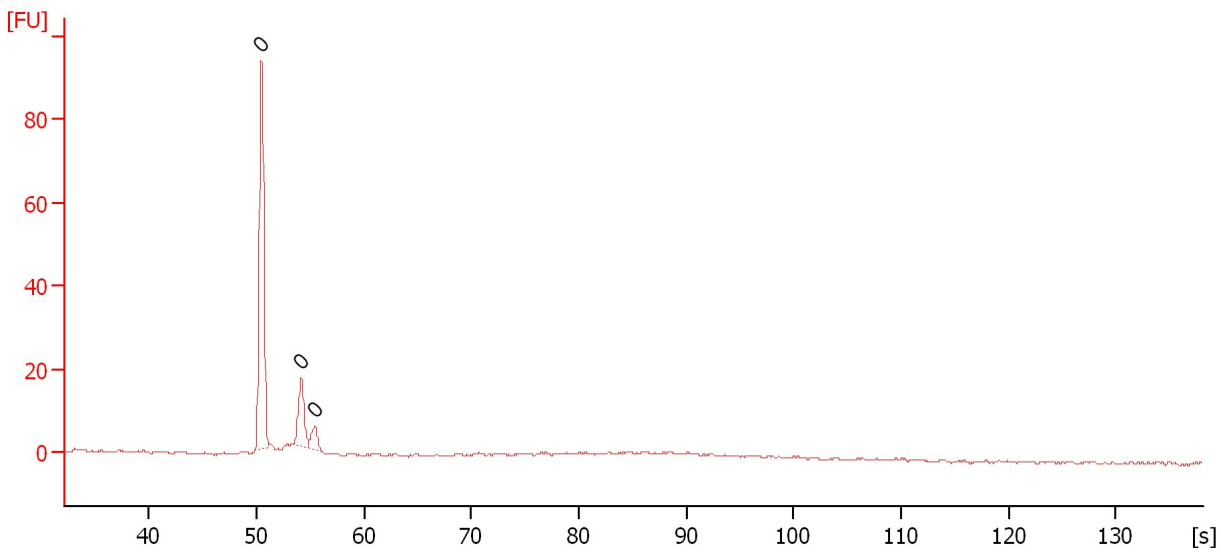
Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.65
2	0	0.00	0.0		54.35

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...

sample 2



Overall Results for sample 2 : sample 2

Number of peaks found: 0 Noise: 0.3

Peak table for sample 2 : sample 2

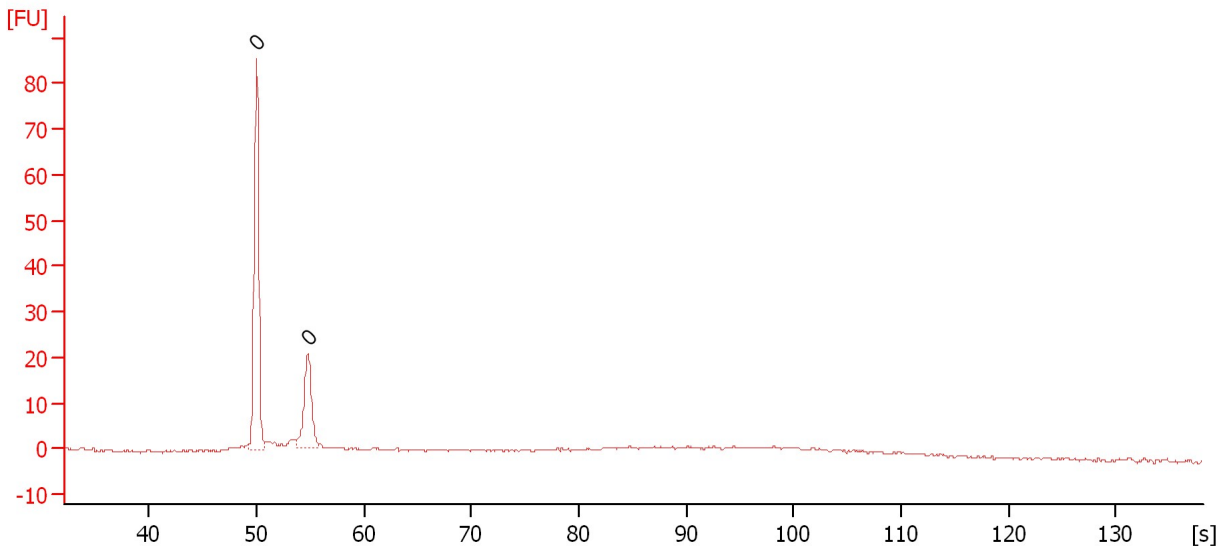
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.45
2	0	0.00	0.0		54.15
3	0	0.00	0.0		55.45

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...

sample 3



Overall Results for sample 3 : sample 3

Number of peaks found: 0 Noise: 0.2

Peak table for sample 3 : sample 3

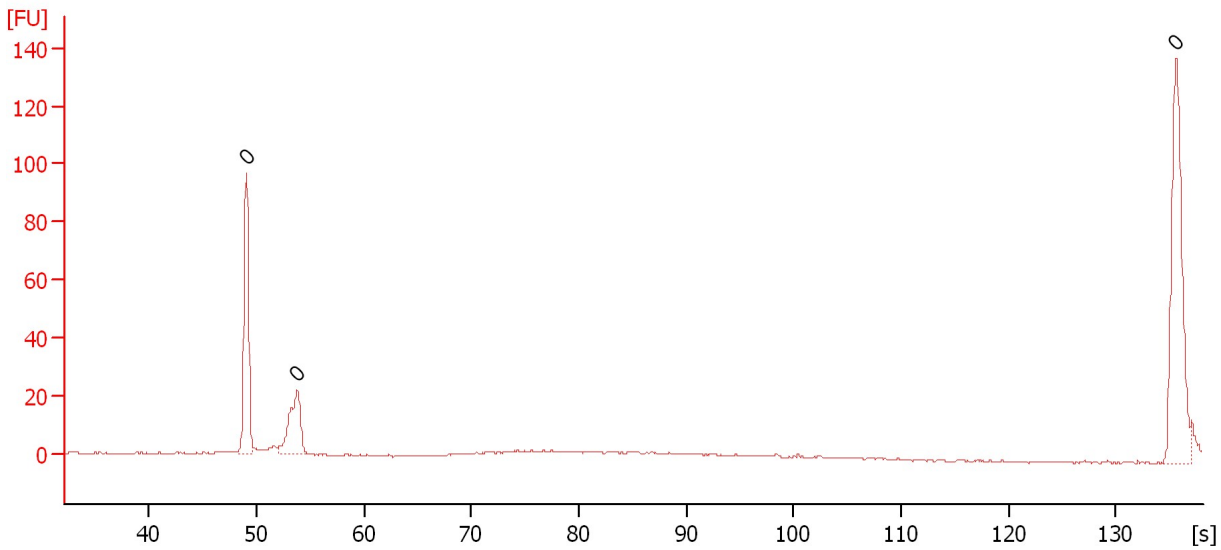
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.00
2	0	0.00	0.0		54.80

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...

sample 4



Overall Results for sample 4 : sample 4

Number of peaks found: 0 Noise: 0.3

Peak table for sample 4 : sample 4

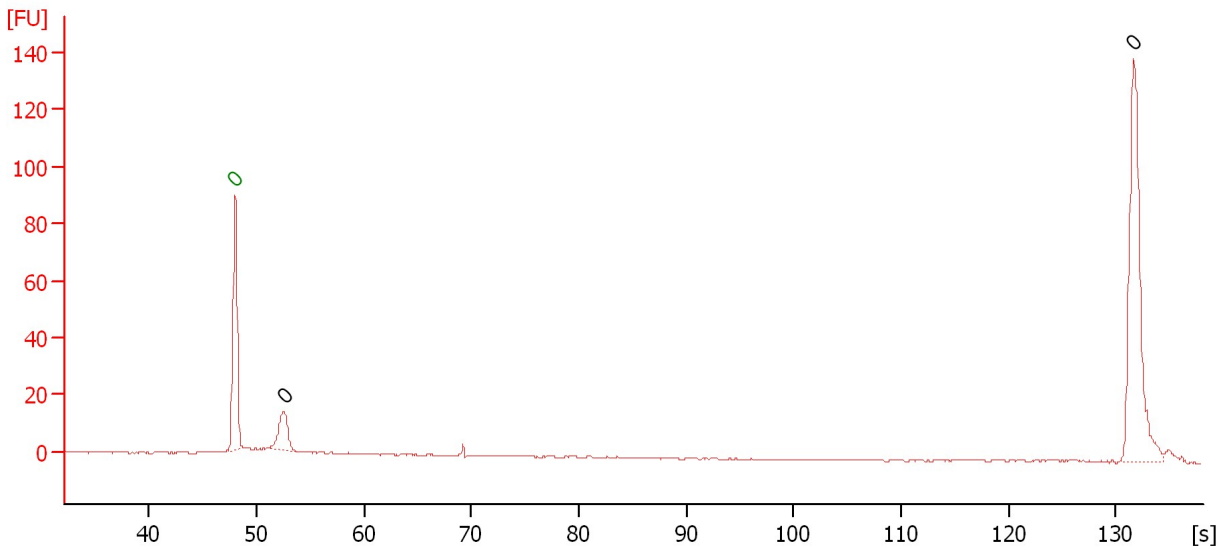
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.05
2	0	0.00	0.0		53.80
3	0	0.00	0.0		135.60

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...

sample 5



Overall Results for sample 5 : sample 5

Number of peaks found: 2 Noise: 0.2

Peak table for sample 5 : sample 5

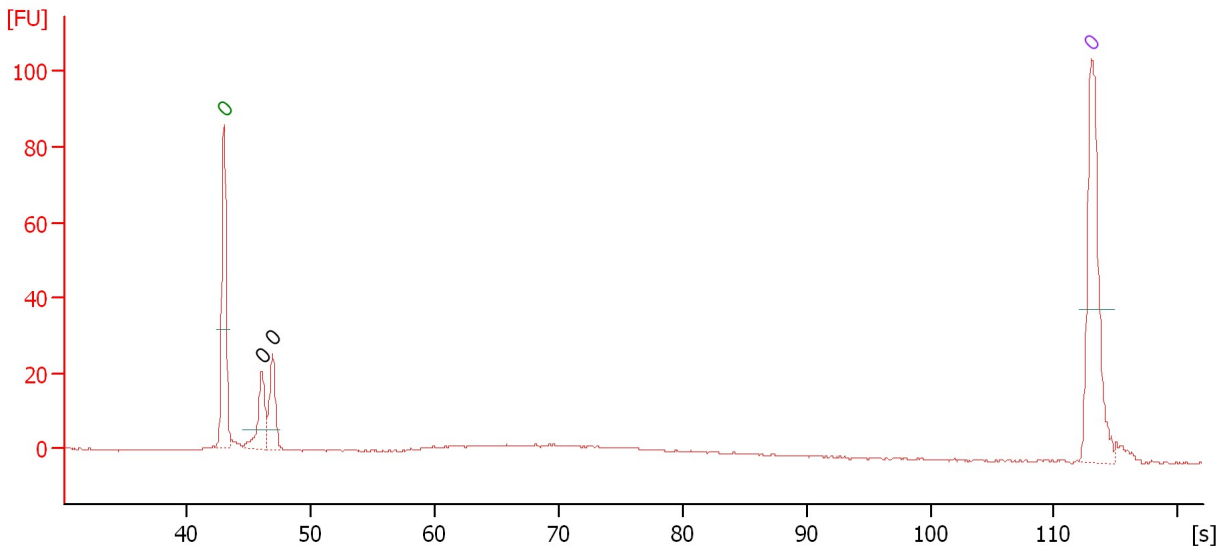
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	48.00
2	0	0.00	0.0		52.55
3	0	0.00	0.0		131.65

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...

sample 6



Overall Results for sample 6 : sample 6

Number of peaks found: 2 Noise: 0.2

Peak table for sample 6 : sample 6

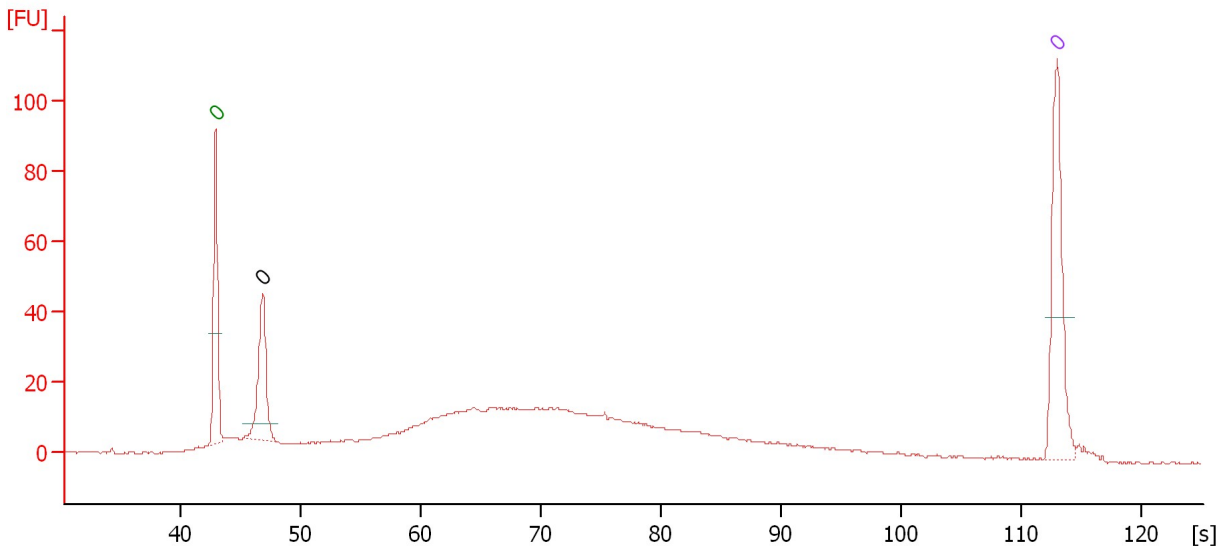
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		46.08
3	0	0.00	0.0		46.94
4	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...

sample 7



Overall Results for sample 7 : sample 7

Number of peaks found: 1 Noise: 0.3

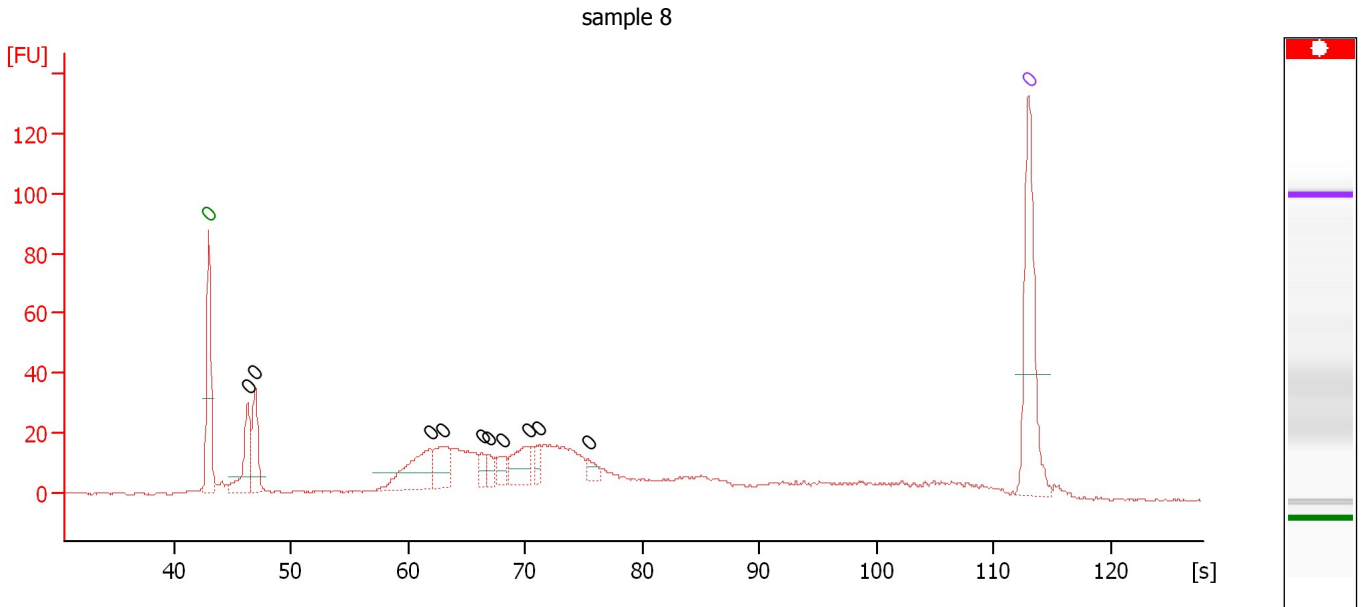
Peak table for sample 7 : sample 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		46.93
3	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
 Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 10 Noise: 0.2

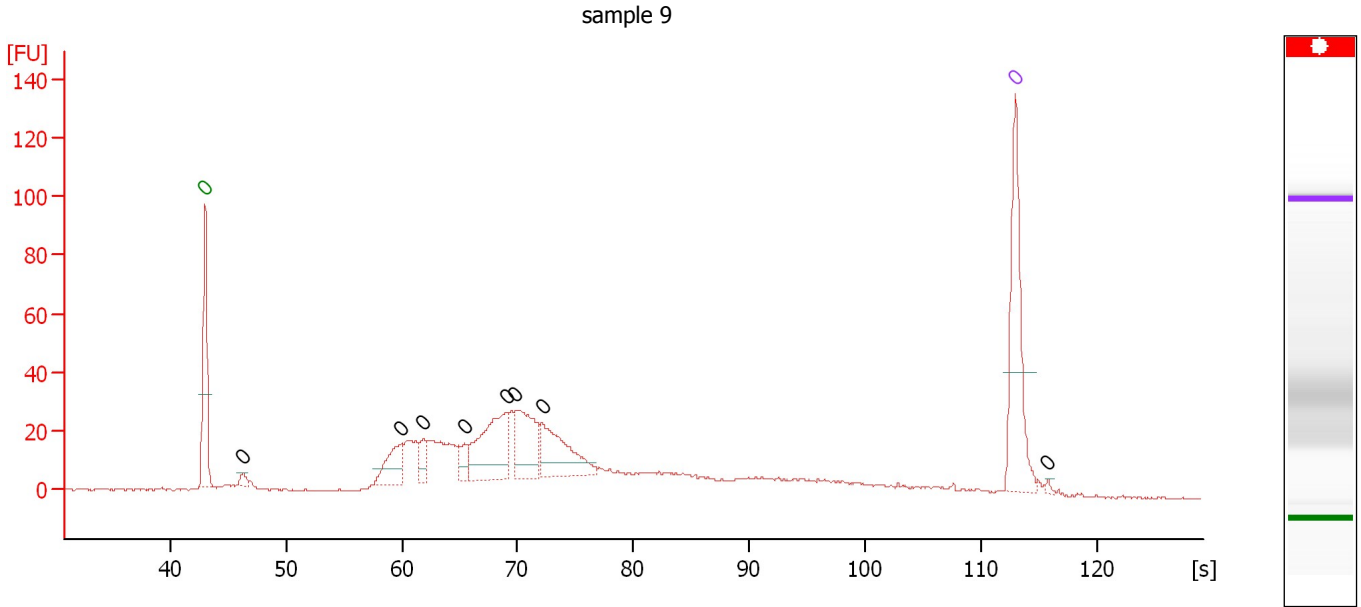
Peak table for sample 8 : sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		46.30
3	0	0.00	0.0		46.94
4	0	0.00	0.0		61.89
5	0	0.00	0.0		62.94
6	0	0.00	0.0		66.33
7	0	0.00	0.0		66.93
8	0	0.00	0.0		68.03
9	0	0.00	0.0		70.23
10	0	0.00	0.0		71.19
11	0	0.00	0.0		75.36
12	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
 Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 8 Noise: 0.4

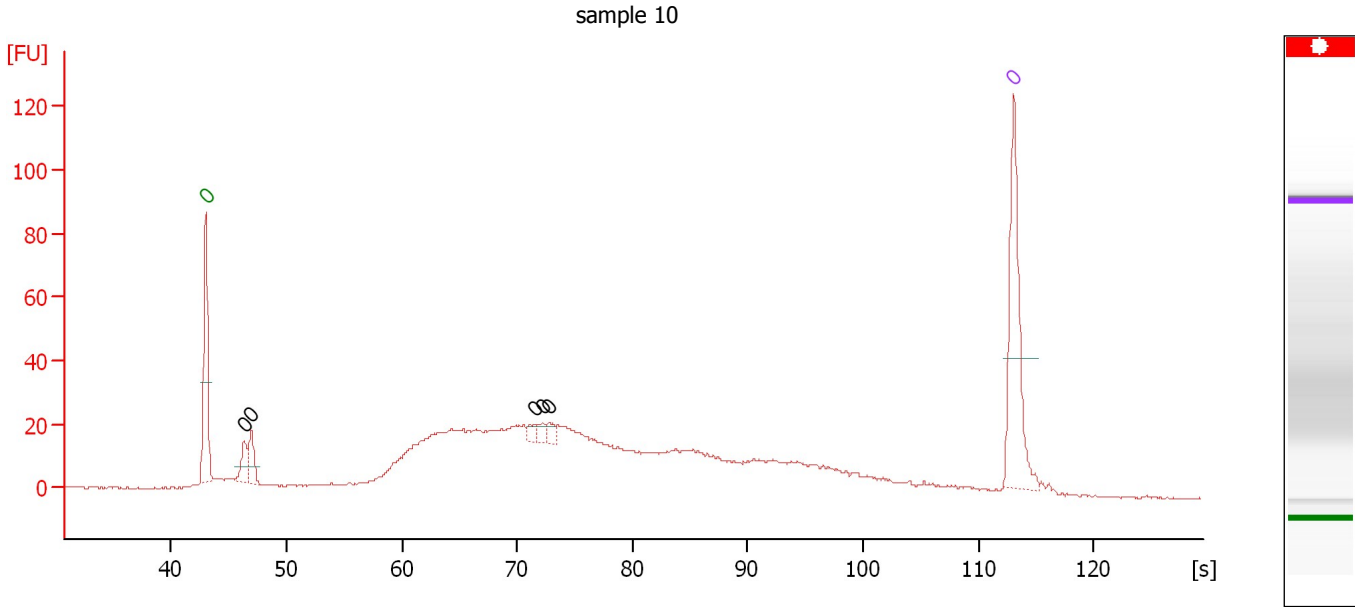
Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		46.29
3	0	0.00	0.0		59.93
4	0	0.00	0.0		61.83
5	0	0.00	0.0		65.41
6	0	0.00	0.0		68.98
7	0	0.00	0.0		69.81
8	0	0.00	0.0		72.09
9	0	0.00	0.0	Upper Marker	113.00
10	0	0.00	0.0		115.78

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
 Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 5 Noise: 0.3

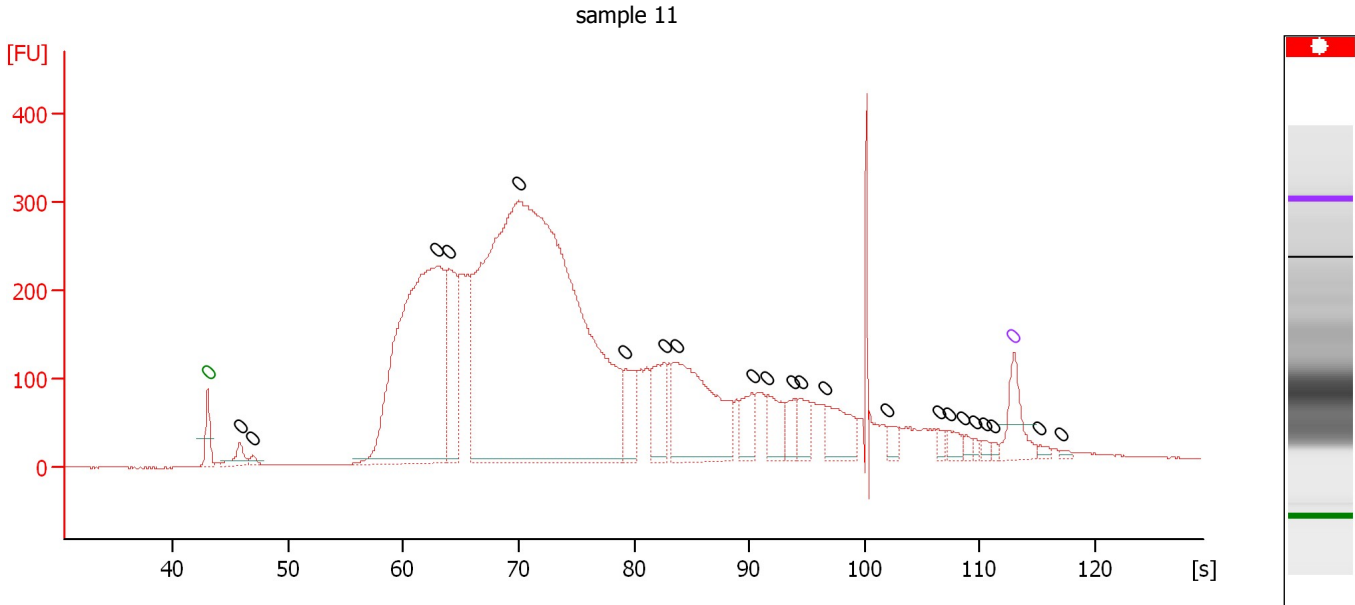
Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		46.35
3	0	0.00	0.0		46.96
4	0	0.00	0.0		71.48
5	0	0.00	0.0		72.14
6	0	0.00	0.0		72.79
7	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
 Modified: 10/24/2018 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 22 Noise: 0.3

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	43.00
2	0	0.00	0.0		45.80
3	0	0.00	0.0		46.92
4	0	0.00	0.0		62.91
5	0	0.00	0.0		63.99
6	0	0.00	0.0		70.00
7	0	0.00	0.0		79.24
8	0	0.00	0.0		82.64
9	0	0.00	0.0		83.67
10	0	0.00	0.0		90.29
11	0	0.00	0.0		91.64
12	0	0.00	0.0		93.83
13	0	0.00	0.0		94.49
14	0	0.00	0.0		96.58
15	0	0.00	0.0		101.99
16	0	0.00	0.0		106.42
17	0	0.00	0.0		107.31
18	0	0.00	0.0		108.62
19	0	0.00	0.0		109.60
20	0	0.00	0.0		110.44
21	0	0.00	0.0		111.27
22	0	0.00	0.0	Upper Marker	113.00
23	0	0.00	0.0		115.24
24	0	0.00	0.0		117.10

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-24\2018-10-24_001.xad

Created: 10/24/2018 10:30:42 AM
Modified: 10/24/2018 11:11:15 AM

Gel Image

