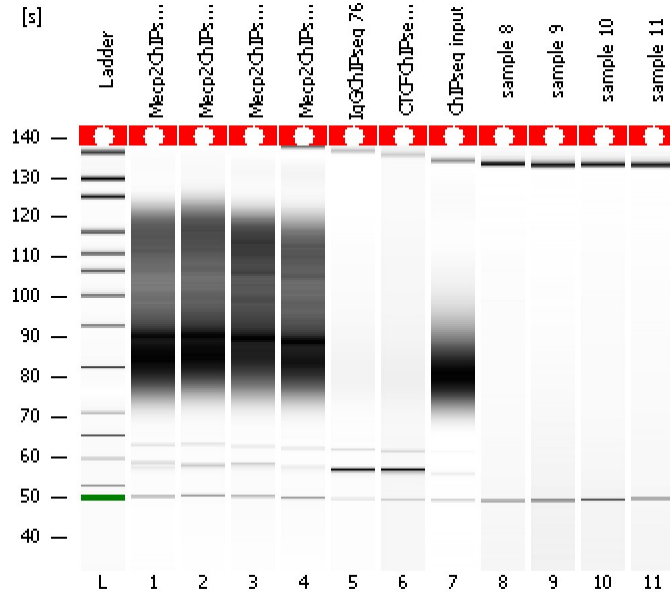


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

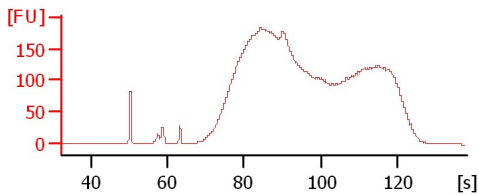
Assay Information:

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

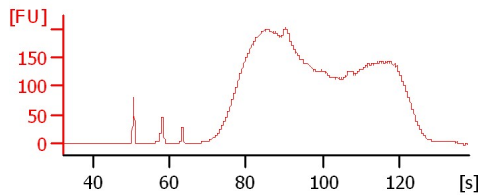
Chip Information:

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

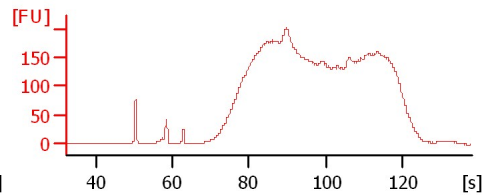
MeCP2ChIPseq 70



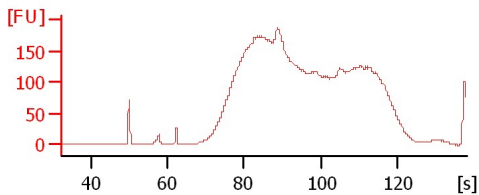
MeCP2ChIPseq 71



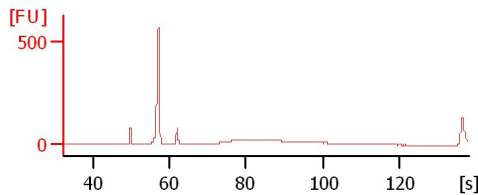
MeCP2ChIPseq 72



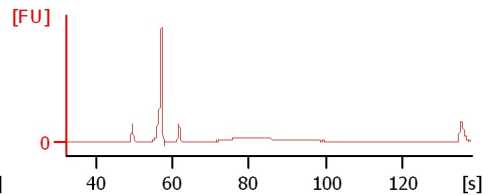
MeCP2ChIPseq 74



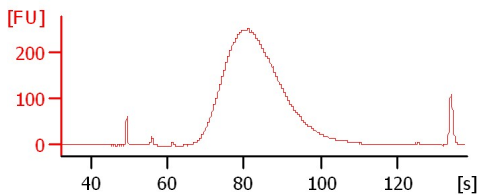
IgGChIPseq 76



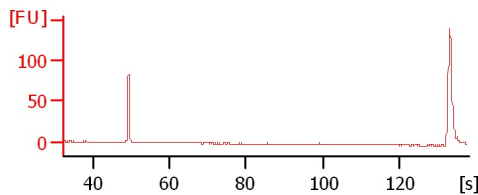
CTCFChIPseq 77



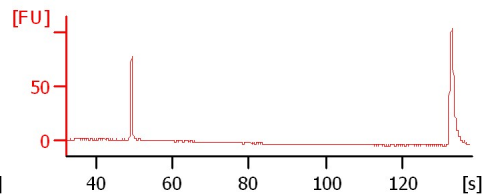
ChIPseq input



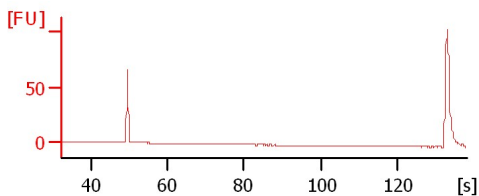
sample 8



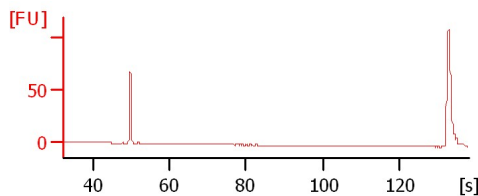
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Mecp2ChIPseq 70		<input type="checkbox"/>	✓			
Mecp2ChIPseq 71		<input type="checkbox"/>	✓			
Mecp2ChIPseq 72		<input type="checkbox"/>	✓			
Mecp2ChIPseq 74		<input type="checkbox"/>	✓			
IgGChIPseq 76		<input type="checkbox"/>	✓			
CTCFChIPseq 77		<input type="checkbox"/>	✓			
ChIPseq input		<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\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 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

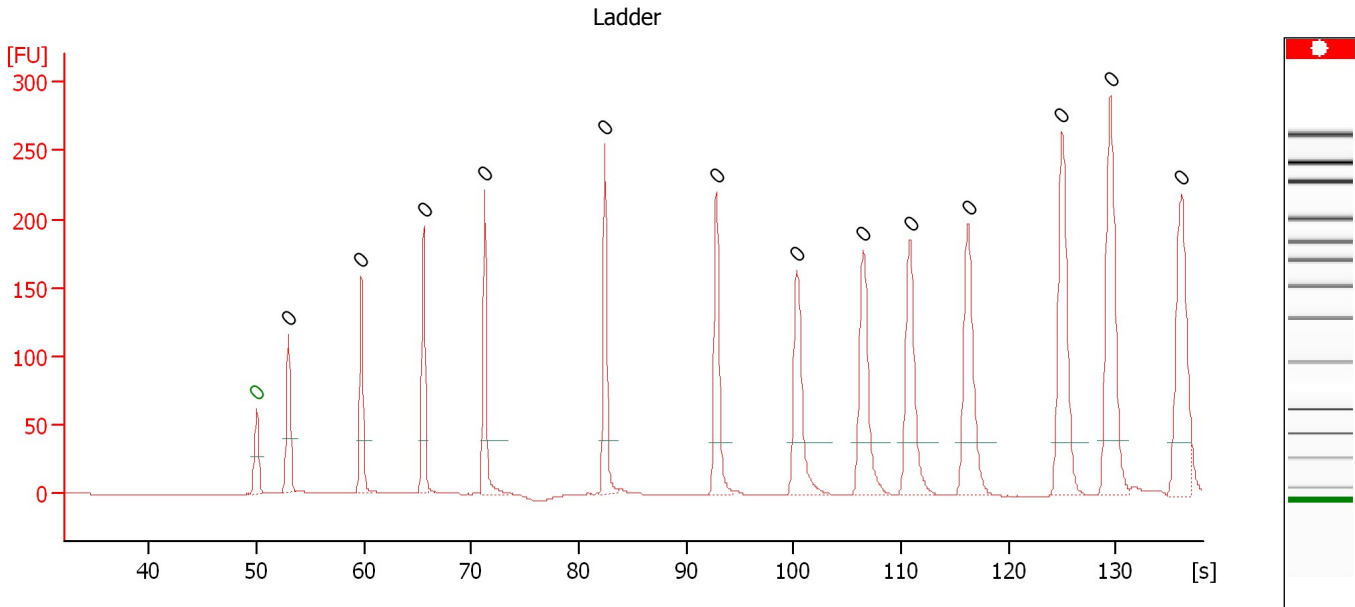
Ladder

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\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

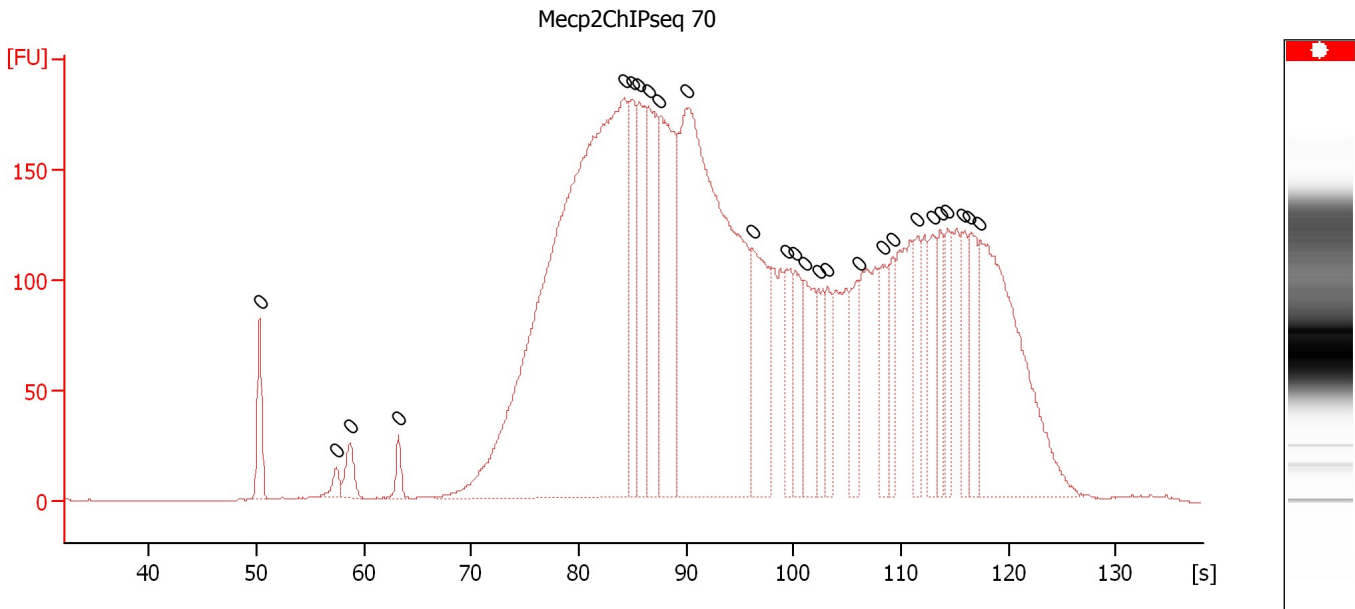
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	50.00
2	0	0.00	0.0	Ladder Peak	52.95
3	0	0.00	0.0	Ladder Peak	59.75
4	0	0.00	0.0	Ladder Peak	65.55
5	0	0.00	0.0	Ladder Peak	71.25
6	0	0.00	0.0	Ladder Peak	82.45
7	0	0.00	0.0	Ladder Peak	92.80
8	0	0.00	0.0	Ladder Peak	100.30
9	0	0.00	0.0	Ladder Peak	106.50
10	0	0.00	0.0	Ladder Peak	110.85
11	0	0.00	0.0	Ladder Peak	116.25
12	0	0.00	0.0	Ladder Peak	125.00
13	0	0.00	0.0	Ladder Peak	129.50
14	0	0.00	0.0	Ladder Peak	136.10

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Mecp2ChIPseq 70

Number of peaks found: 0 Noise: 0.2

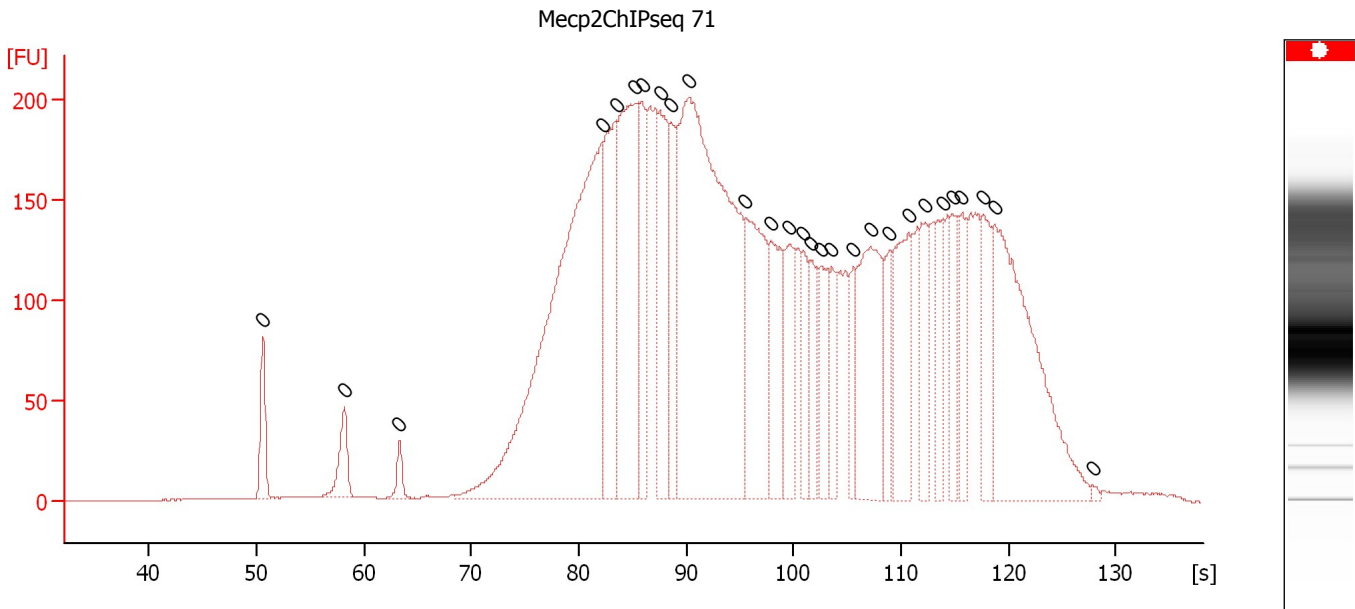
Peak table for sample 1 : Mecp2ChIPseq 70

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.30
2	0	0.00	0.0		57.40
3	0	0.00	0.0		58.70
4	0	0.00	0.0		63.20
5	0	0.00	0.0		84.20
6	0	0.00	0.0		84.95
7	0	0.00	0.0		85.60
8	0	0.00	0.0		86.45
9	0	0.00	0.0		87.50
10	0	0.00	0.0		90.05
11	0	0.00	0.0		96.15
12	0	0.00	0.0		99.35
13	0	0.00	0.0		100.15
14	0	0.00	0.0		101.00
15	0	0.00	0.0		102.30
16	0	0.00	0.0		103.10
17	0	0.00	0.0		106.00
18	0	0.00	0.0		108.25
19	0	0.00	0.0		109.25
20	0	0.00	0.0		111.50
21	0	0.00	0.0		112.90
22	0	0.00	0.0		113.65
23	0	0.00	0.0		114.35
24	0	0.00	0.0		115.70
25	0	0.00	0.0		116.35
26	0	0.00	0.0		117.35

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Mecp2ChIPseq 71

Number of peaks found: 0 Noise: 0.2

Peak table for sample 2 : Mecp2ChIPseq 71

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.60
2	0	0.00	0.0		58.15
3	0	0.00	0.0		63.30
4	0	0.00	0.0		82.20
5	0	0.00	0.0		83.45
6	0	0.00	0.0		85.15
7	0	0.00	0.0		85.90
8	0	0.00	0.0		87.55
9	0	0.00	0.0		88.55
10	0	0.00	0.0		90.25
11	0	0.00	0.0		95.50
12	0	0.00	0.0		97.85
13	0	0.00	0.0		99.65
14	0	0.00	0.0		100.90
15	0	0.00	0.0		101.65
16	0	0.00	0.0		102.60
17	0	0.00	0.0		103.55
18	0	0.00	0.0		105.60
19	0	0.00	0.0		107.20
20	0	0.00	0.0		108.90
21	0	0.00	0.0		110.70
22	0	0.00	0.0		112.20
23	0	0.00	0.0		113.85
24	0	0.00	0.0		114.80
25	0	0.00	0.0		115.60
26	0	0.00	0.0		117.70
27	0	0.00	0.0		118.75

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

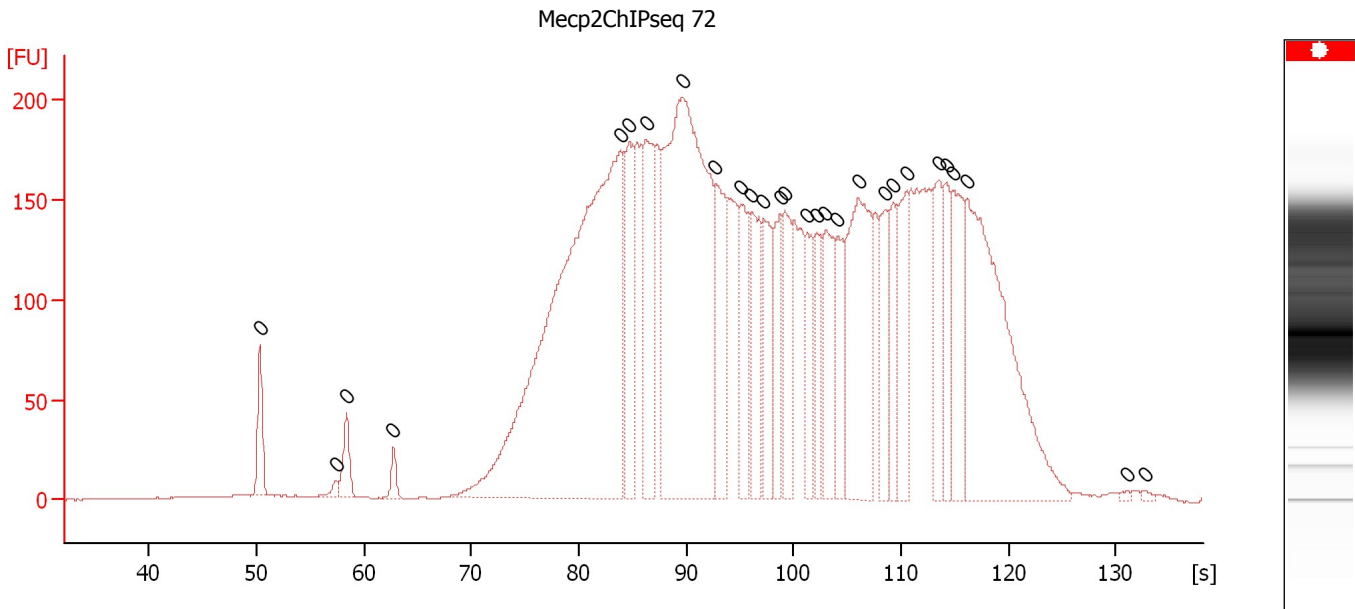
Electropherogram Summary Continued ...**... Peak table for sample 2 : Mecp2ChIPseq 71**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		127.80

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Mecp2ChIPseq 72

Number of peaks found: 0 Noise: 0.2

Peak table for sample 3 : Mecp2ChIPseq 72

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.35
2	0	0.00	0.0		57.40
3	0	0.00	0.0		58.40
4	0	0.00	0.0		62.75
5	0	0.00	0.0		83.85
6	0	0.00	0.0		84.65
7	0	0.00	0.0		86.25
8	0	0.00	0.0		89.65
9	0	0.00	0.0		92.75
10	0	0.00	0.0		95.15
11	0	0.00	0.0		96.10
12	0	0.00	0.0		97.20
13	0	0.00	0.0		98.80
14	0	0.00	0.0		99.15
15	0	0.00	0.0		101.25
16	0	0.00	0.0		102.15
17	0	0.00	0.0		103.00
18	0	0.00	0.0		104.10
19	0	0.00	0.0		106.00
20	0	0.00	0.0		108.55
21	0	0.00	0.0		109.30
22	0	0.00	0.0		110.55
23	0	0.00	0.0		113.50
24	0	0.00	0.0		114.25
25	0	0.00	0.0		114.80
26	0	0.00	0.0		116.20
27	0	0.00	0.0		131.05

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...

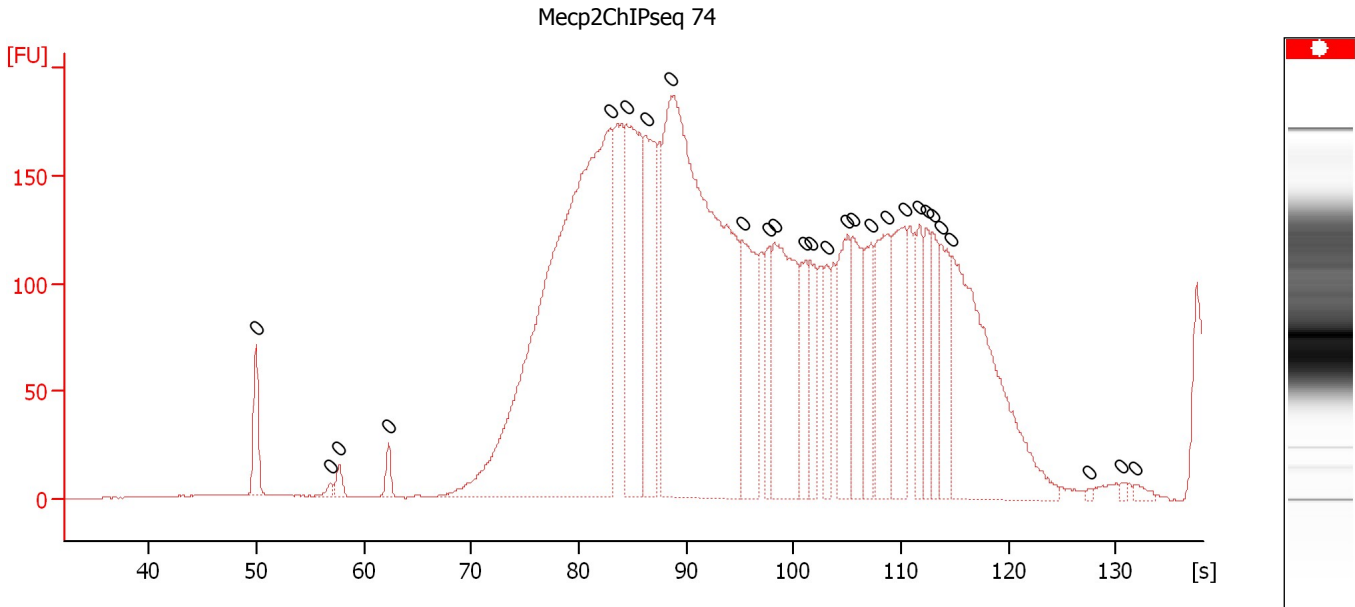
... Peak table for sample 3 : Mecp2ChIPseq 72

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		132.70

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Mecp2ChIPseq 74

Number of peaks found: 0 Noise: 0.2

Peak table for sample 4 : Mecp2ChIPseq 74

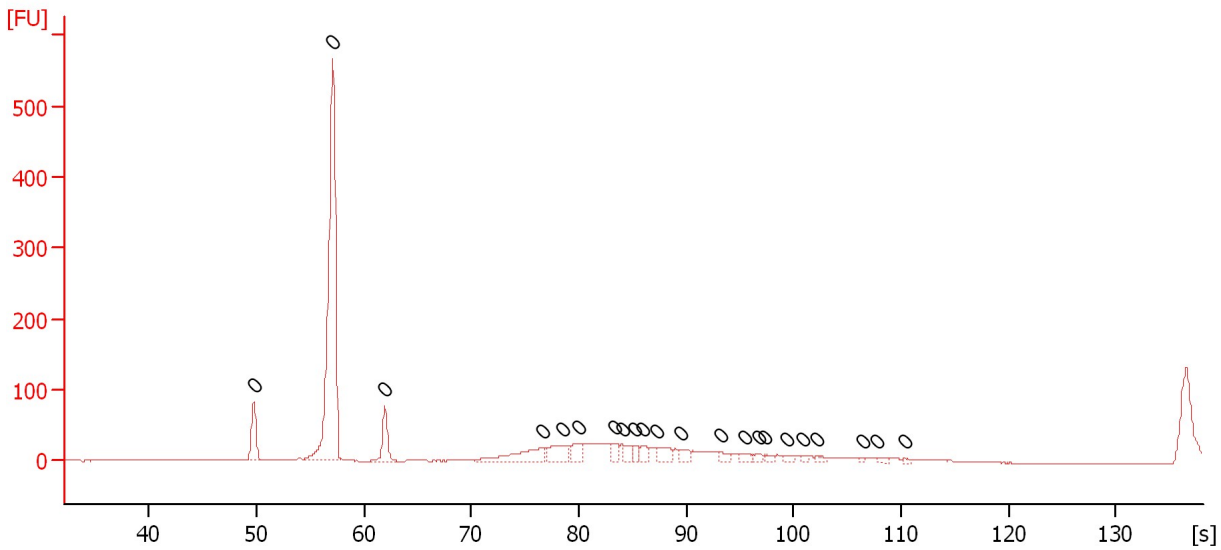
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.95
2	0	0.00	0.0		56.90
3	0	0.00	0.0		57.70
4	0	0.00	0.0		62.30
5	0	0.00	0.0		82.90
6	0	0.00	0.0		84.40
7	0	0.00	0.0		86.25
8	0	0.00	0.0		88.65
9	0	0.00	0.0		95.20
10	0	0.00	0.0		97.70
11	0	0.00	0.0		98.20
12	0	0.00	0.0		101.10
13	0	0.00	0.0		101.55
14	0	0.00	0.0		103.10
15	0	0.00	0.0		104.95
16	0	0.00	0.0		105.45
17	0	0.00	0.0		107.20
18	0	0.00	0.0		108.65
19	0	0.00	0.0		110.30
20	0	0.00	0.0		111.75
21	0	0.00	0.0		112.35
22	0	0.00	0.0		112.90
23	0	0.00	0.0		113.70
24	0	0.00	0.0		114.70
25	0	0.00	0.0		127.45
26	0	0.00	0.0		130.50
27	0	0.00	0.0		131.80

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...

IgGChIPseq 76



Overall Results for sample 5 : IgGChIPseq 76

Number of peaks found: 0 Noise: 0.3

Peak table for sample 5 : IgGChIPseq 76

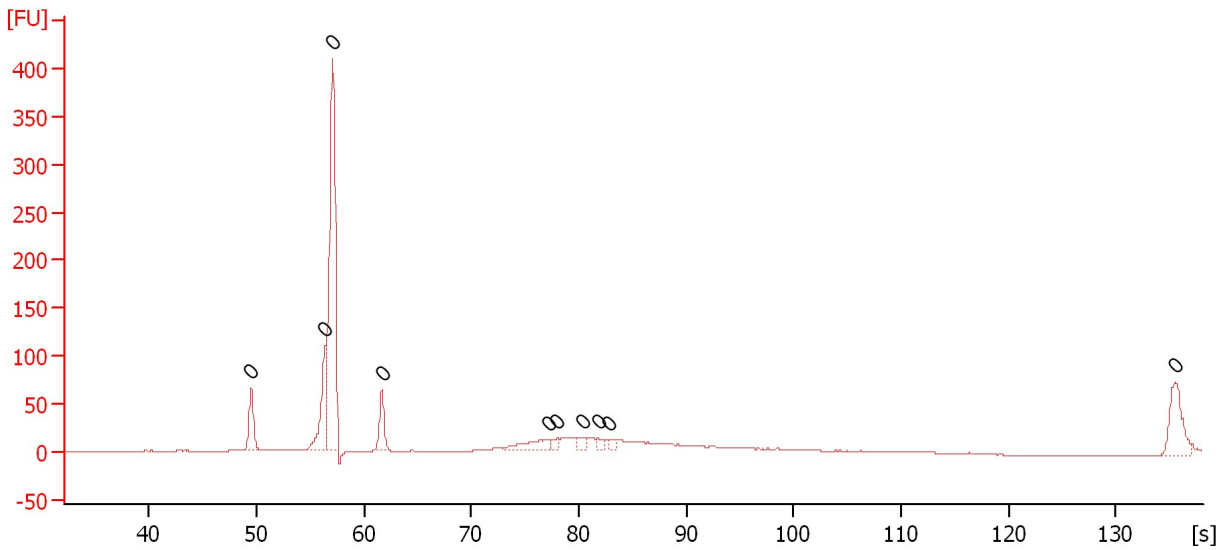
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.75
2	0	0.00	0.0		57.10
3	0	0.00	0.0		61.95
4	0	0.00	0.0		76.70
5	0	0.00	0.0		78.45
6	0	0.00	0.0		80.00
7	0	0.00	0.0		83.30
8	0	0.00	0.0		84.10
9	0	0.00	0.0		85.20
10	0	0.00	0.0		86.00
11	0	0.00	0.0		87.25
12	0	0.00	0.0		89.55
13	0	0.00	0.0		93.20
14	0	0.00	0.0		95.45
15	0	0.00	0.0		96.80
16	0	0.00	0.0		97.30
17	0	0.00	0.0		99.45
18	0	0.00	0.0		100.80
19	0	0.00	0.0		102.10
20	0	0.00	0.0		106.40
21	0	0.00	0.0		107.85
22	0	0.00	0.0		110.35

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...

CTCFChIPseq 77



Overall Results for sample 6 : CTCFChIPseq 77

Number of peaks found: 0 Noise: 0.3

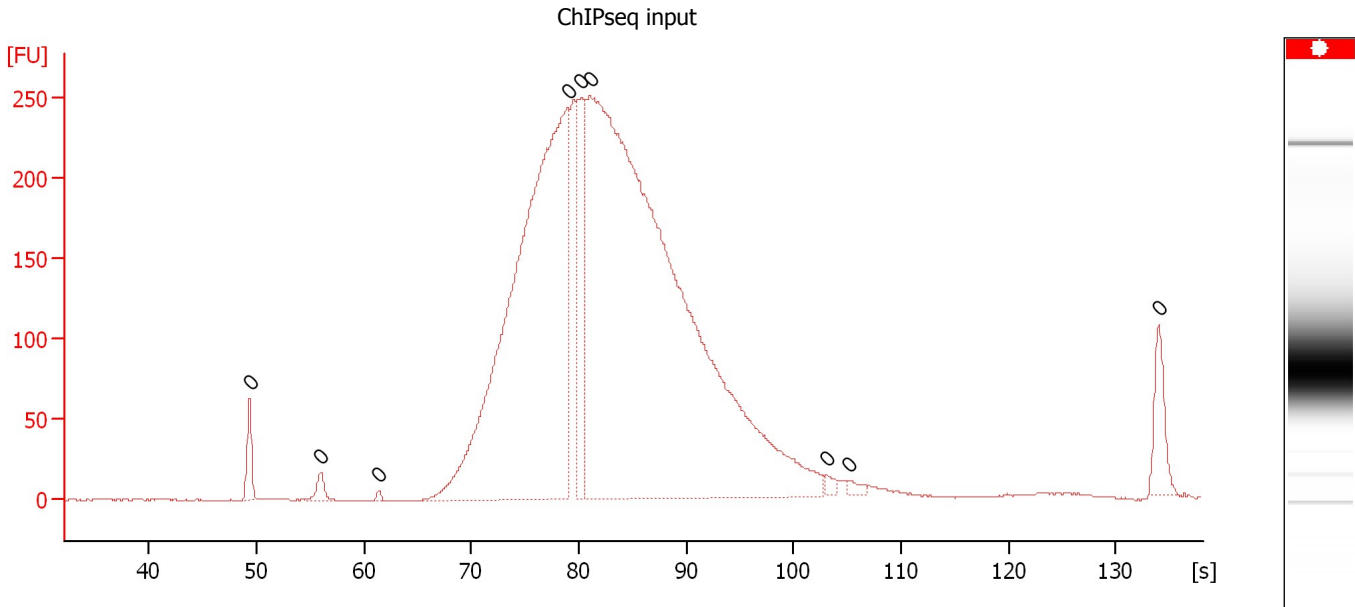
Peak table for sample 6 : CTCFChIPseq 77

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.50
2	0	0.00	0.0		56.40
3	0	0.00	0.0		57.10
4	0	0.00	0.0		61.65
5	0	0.00	0.0		77.15
6	0	0.00	0.0		78.00
7	0	0.00	0.0		80.35
8	0	0.00	0.0		81.80
9	0	0.00	0.0		82.85
10	0	0.00	0.0		135.50

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
 Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : ChIPseq input

Number of peaks found: 0 Noise: 0.2

Peak table for sample 7 : ChIPseq input

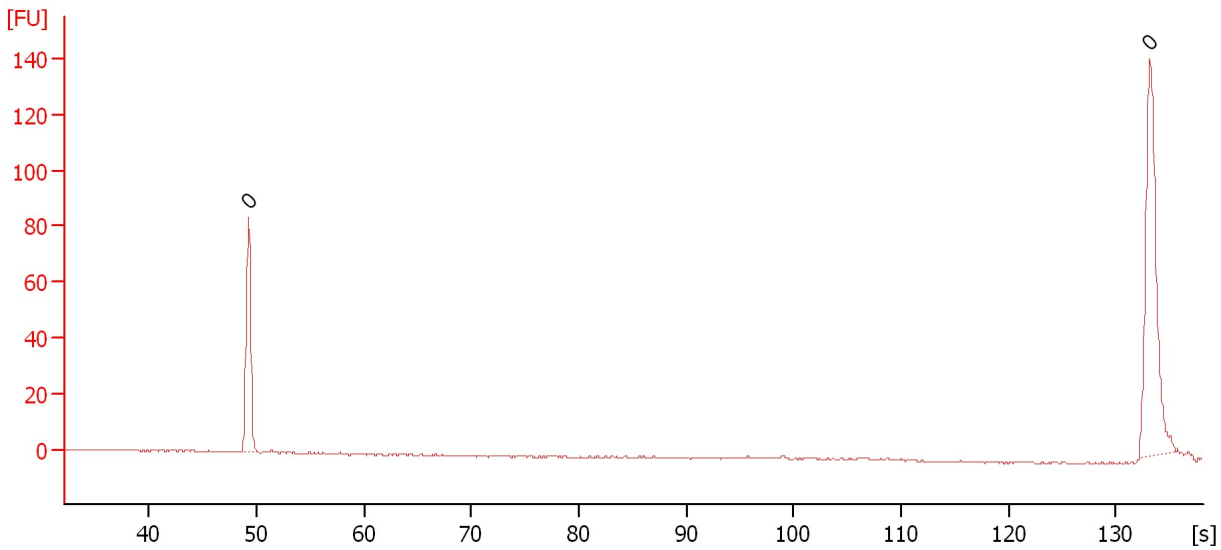
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.35
2	0	0.00	0.0		55.95
3	0	0.00	0.0		61.35
4	0	0.00	0.0		79.00
5	0	0.00	0.0		80.20
6	0	0.00	0.0		81.05
7	0	0.00	0.0		103.05
8	0	0.00	0.0		105.15
9	0	0.00	0.0		133.95

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...

sample 8



Overall Results for sample 8 : sample 8

Number of peaks found: 0 Noise: 0.3

Peak table for sample 8 : sample 8

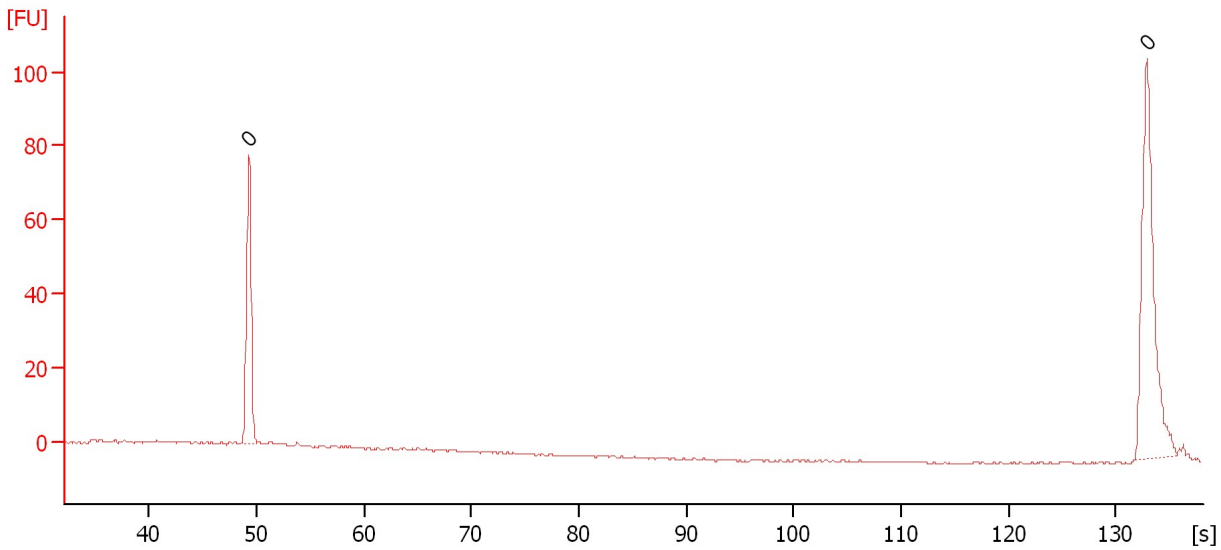
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.25
2	0	0.00	0.0		133.15

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...

sample 9



Overall Results for sample 9 : sample 9

Number of peaks found: 0 Noise: 0.2

Peak table for sample 9 : sample 9

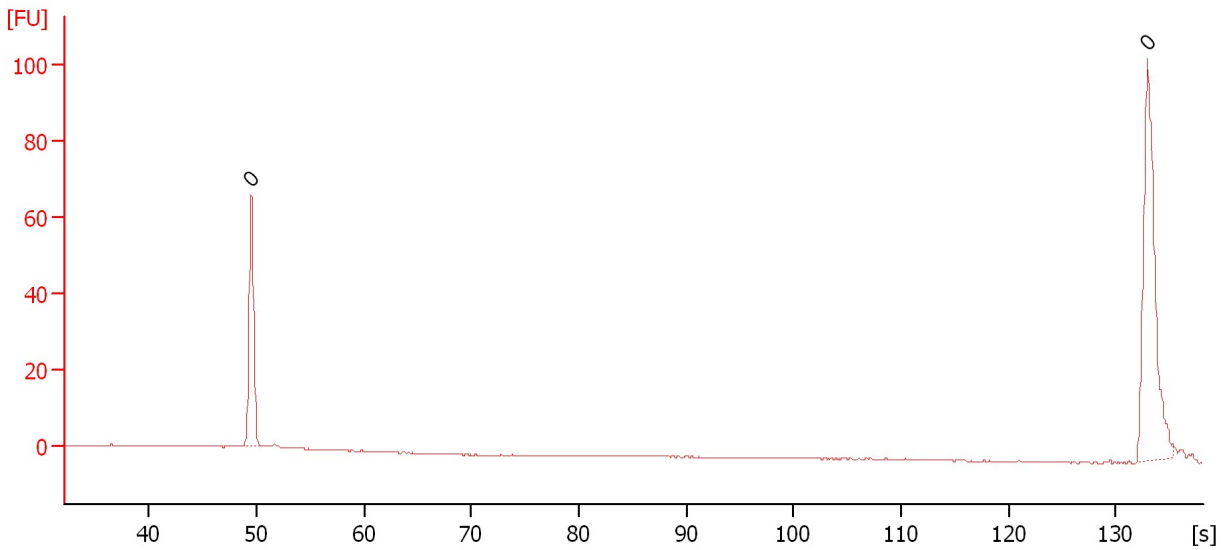
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.30
2	0	0.00	0.0		132.90

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...

sample 10



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Noise: 0.1

Peak table for sample 10 : sample 10

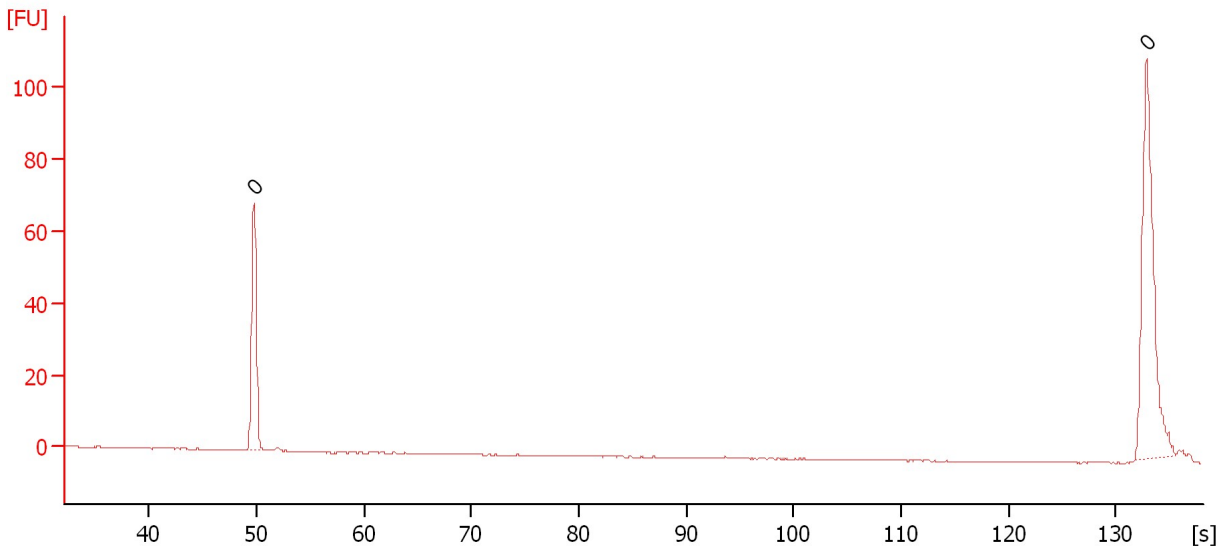
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.50
2	0	0.00	0.0		132.95

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Electropherogram Summary Continued ...

sample 11



Overall Results for sample 11 : sample 11

Number of peaks found: 0 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		49.75
2	0	0.00	0.0		132.85

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-12\2017-09-12_001.xad

Created: 9/12/2017 11:33:29 AM
Modified: 9/12/2017 12:14:49 PM

Gel Image

