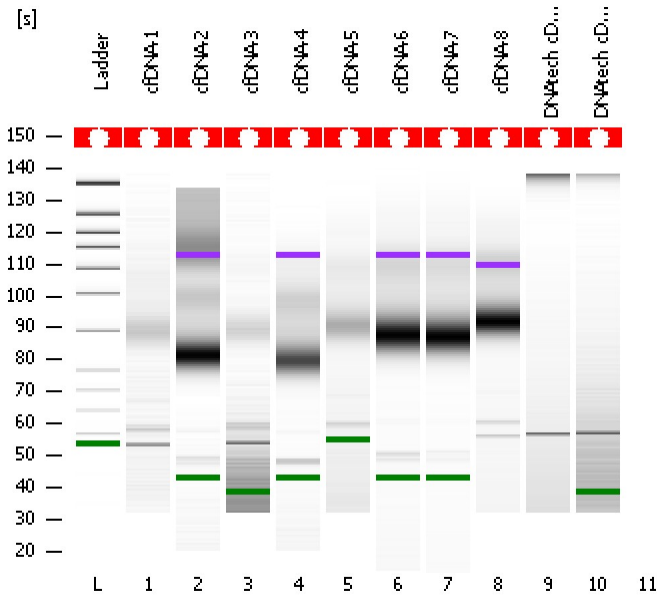


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
Modified: 11/30/2017 12:06:52 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

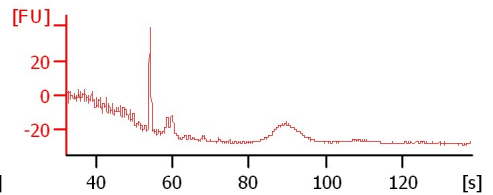
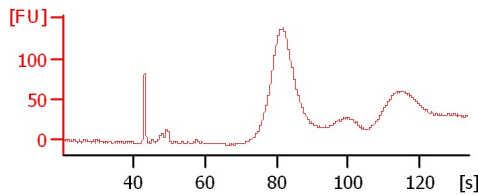
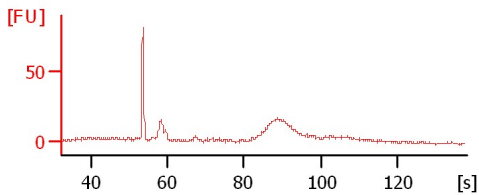
Chip Information:

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

cfDNA-1

cfDNA-2

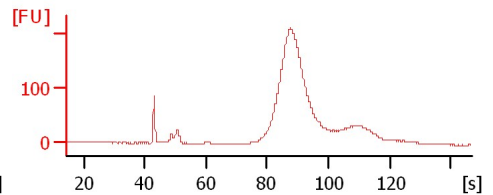
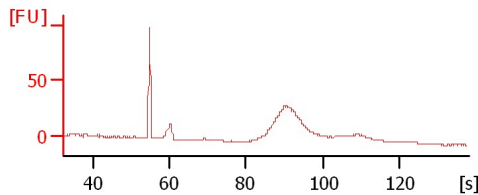
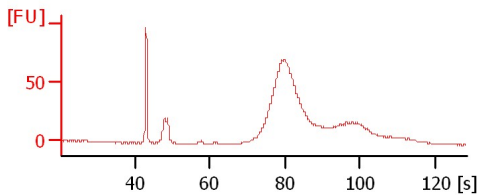
cfDNA-3



cfDNA-4

cfDNA-5

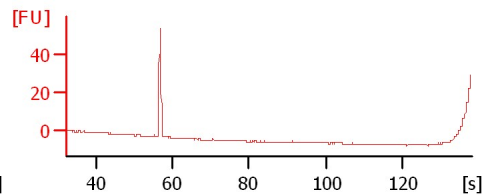
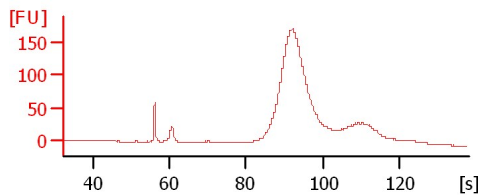
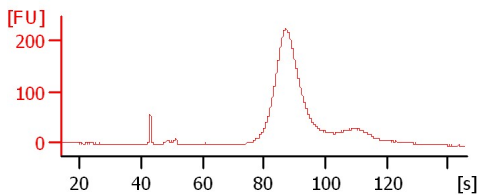
cfDNA-6



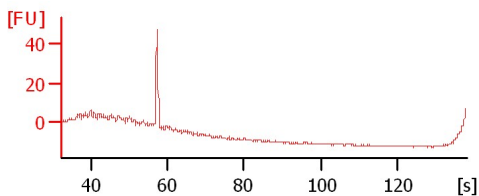
cfDNA-7

cfDNA-8

DNAtch cDNA-1



DNAtch cDNA-2



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
Modified: 11/30/2017 12:06:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
cfDNA-1		<input type="checkbox"/>	✓			
cfDNA-2		<input type="checkbox"/>	✓			
cfDNA-3		<input type="checkbox"/>	✓			
cfDNA-4		<input type="checkbox"/>	✓			
cfDNA-5		<input type="checkbox"/>	✓			
cfDNA-6		<input type="checkbox"/>	✓			
cfDNA-7		<input type="checkbox"/>	✓			
cfDNA-8		<input type="checkbox"/>	✓			
DNAttech cDNA-1		<input type="checkbox"/>	✓			
DNAttech cDNA-2		<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\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
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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

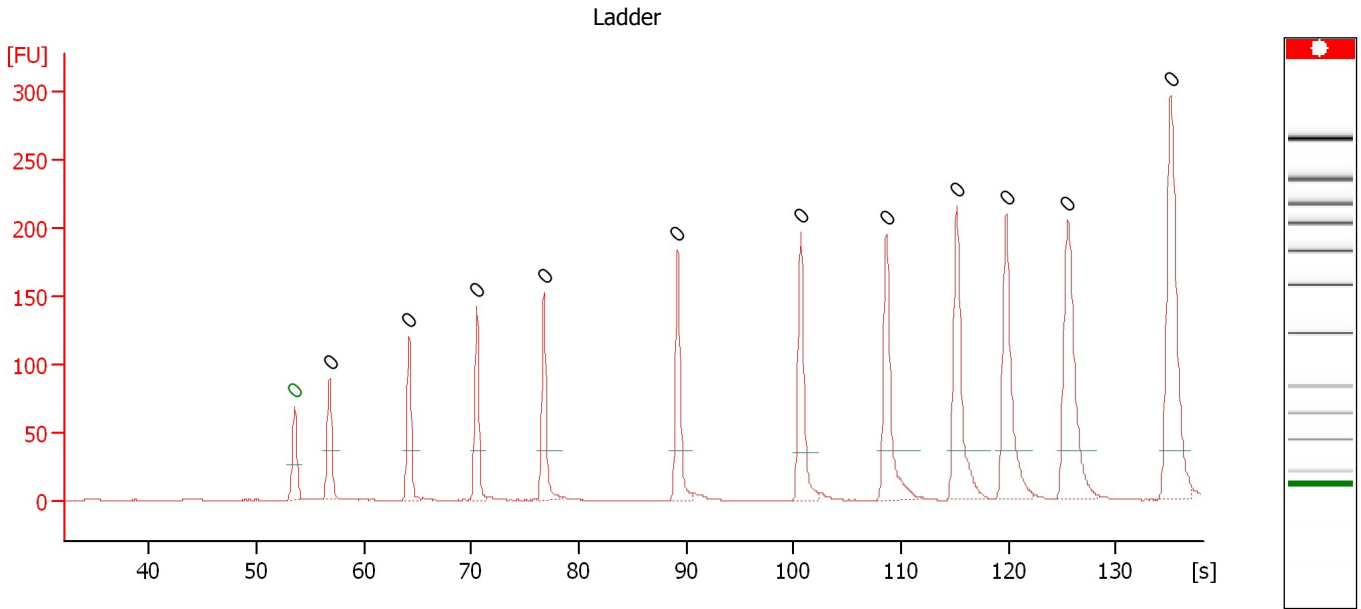
Ladder

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\2017-11-30\2017-11-30_002.xad

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

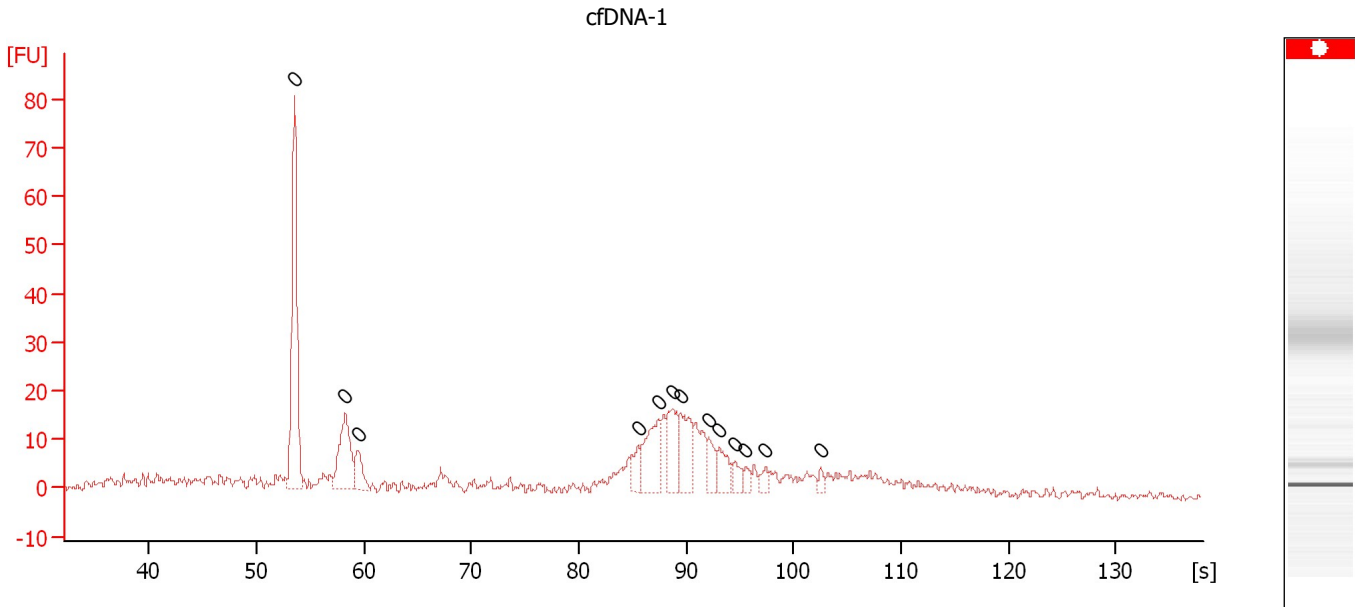
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	53.55
2	0	0.00	0.0	Ladder Peak	56.80
3	0	0.00	0.0	Ladder Peak	64.20
4	0	0.00	0.0	Ladder Peak	70.50
5	0	0.00	0.0	Ladder Peak	76.75
6	0	0.00	0.0	Ladder Peak	89.20
7	0	0.00	0.0	Ladder Peak	100.65
8	0	0.00	0.0	Ladder Peak	108.65
9	0	0.00	0.0	Ladder Peak	115.20
10	0	0.00	0.0	Ladder Peak	119.80
11	0	0.00	0.0	Ladder Peak	125.55
12	0	0.00	0.0	Ladder Peak	135.10

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : cfDNA-1

Number of peaks found: 0 Noise: 1.1

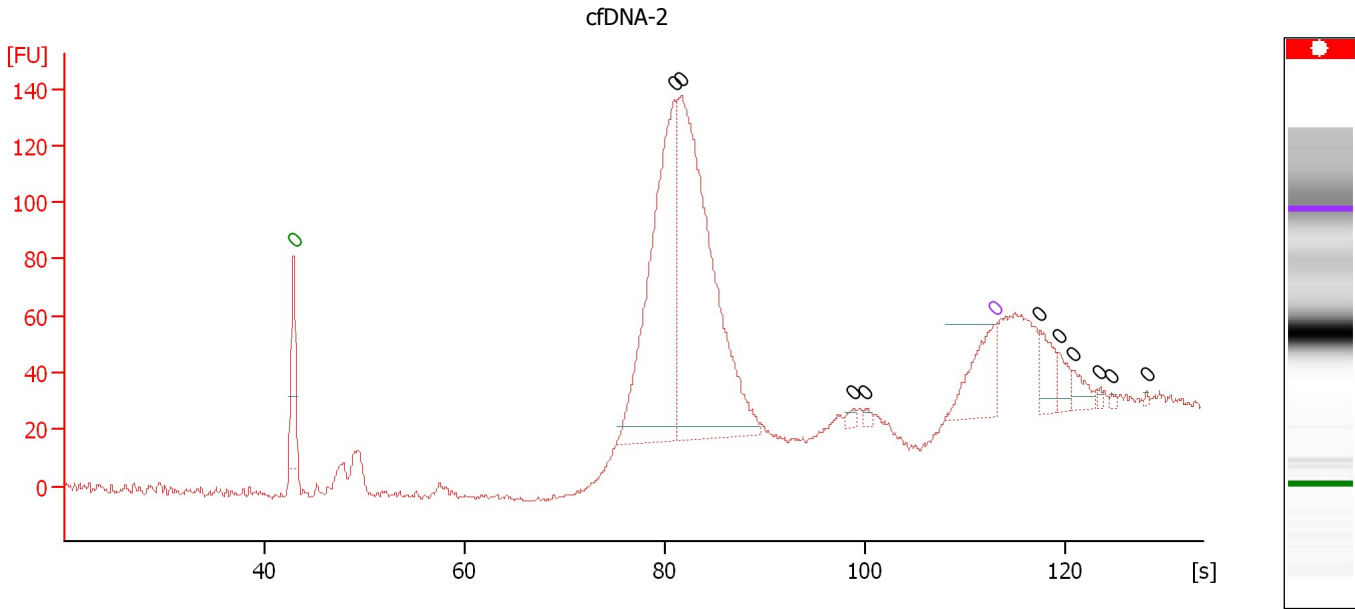
Peak table for sample 1 : cfDNA-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		53.55
2	0	0.00	0.0		58.25
3	0	0.00	0.0		59.40
4	0	0.00	0.0		85.55
5	0	0.00	0.0		87.40
6	0	0.00	0.0		88.70
7	0	0.00	0.0		89.50
8	0	0.00	0.0		92.15
9	0	0.00	0.0		93.05
10	0	0.00	0.0		94.60
11	0	0.00	0.0		95.55
12	0	0.00	0.0		97.40
13	0	0.00	0.0		102.55

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : cfDNA-2

Number of peaks found: 10 Noise: 1.1

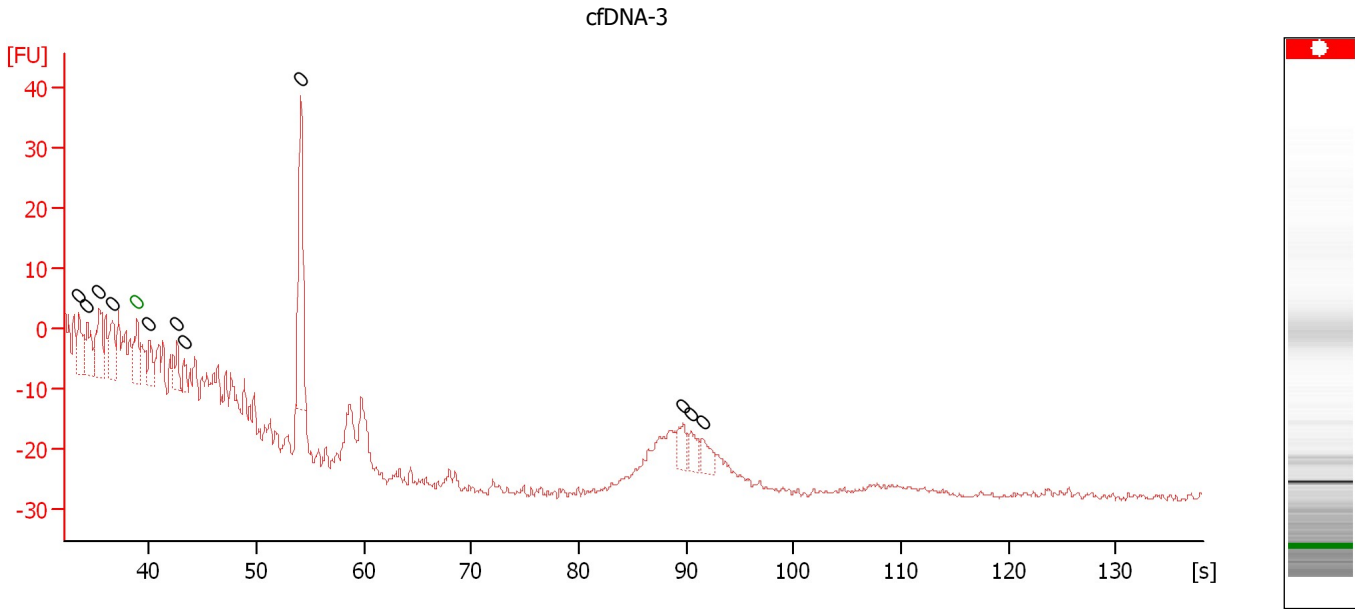
Peak table for sample 2 : cfDNA-2

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		81.00
3	0	0.00	0.0		81.70
4	0	0.00	0.0		98.85
5	0	0.00	0.0		100.08
6	0	0.00	0.0	Upper Marker	113.00
7	0	0.00	0.0		117.50
8	0	0.00	0.0		119.43
9	0	0.00	0.0		120.88
10	0	0.00	0.0		123.45
11	0	0.00	0.0		124.68
12	0	0.00	0.0		128.17

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

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 Modified: 11/30/2017 12:06:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : cfDNA-3

Number of peaks found: 11 Noise: 0.5

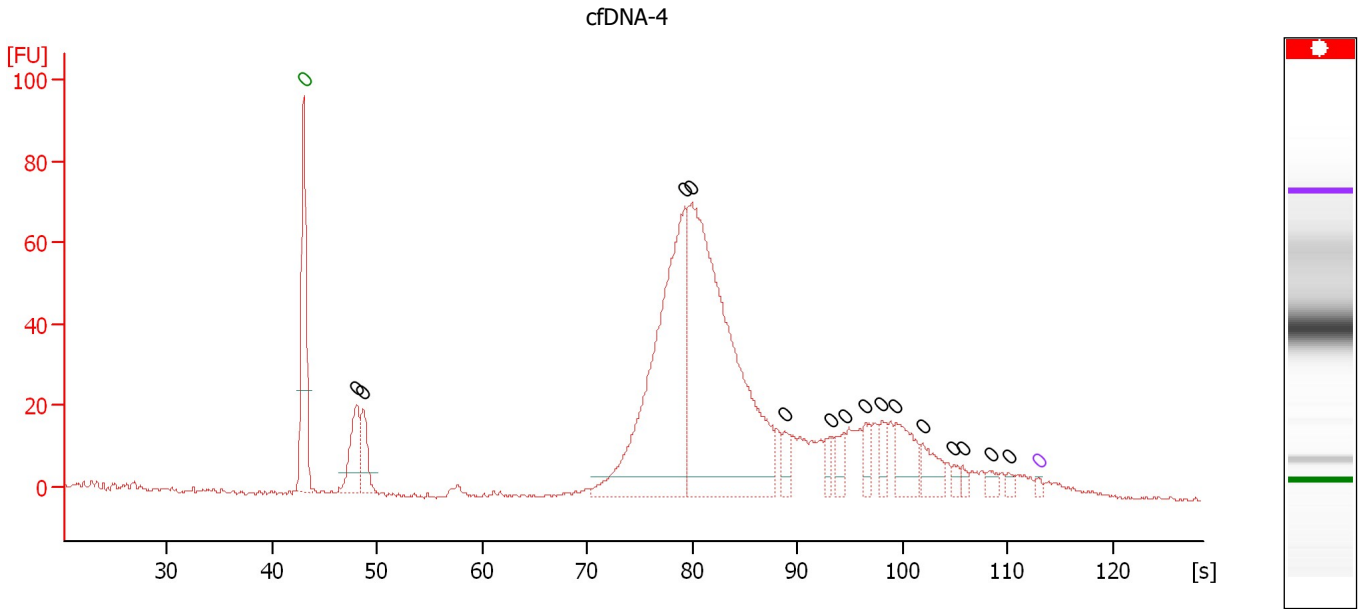
Peak table for sample 3 : cfDNA-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		33.45
2	0	0.00	0.0		34.20
3	0	0.00	0.0		35.35
4	0	0.00	0.0		36.60
5	0	0.00	0.0	Lower Marker	38.85
6	0	0.00	0.0		40.00
7	0	0.00	0.0		42.55
8	0	0.00	0.0		43.20
9	0	0.00	0.0		54.10
10	0	0.00	0.0		89.65
11	0	0.00	0.0		90.40
12	0	0.00	0.0		91.50

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : cfDNA-4

Number of peaks found: 15 Noise: 0.4

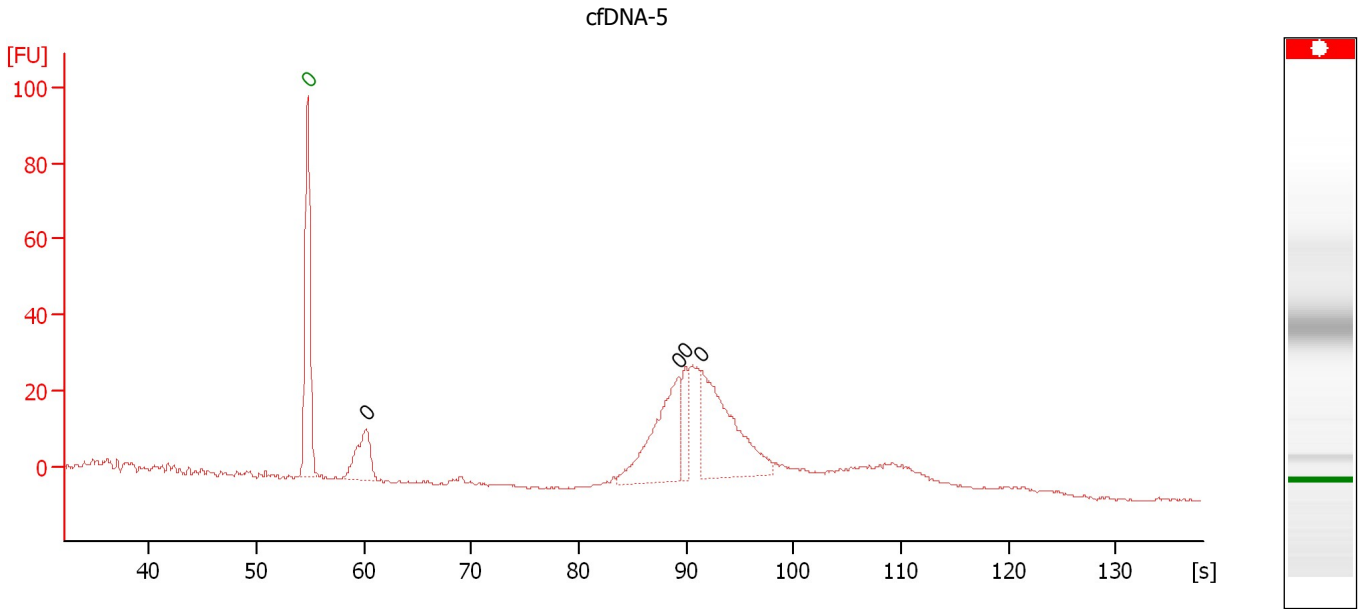
Peak table for sample 4 : cfDNA-4

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		48.01
3	0	0.00	0.0		48.68
4	0	0.00	0.0		79.30
5	0	0.00	0.0		79.92
6	0	0.00	0.0		88.71
7	0	0.00	0.0		93.11
8	0	0.00	0.0		94.44
9	0	0.00	0.0		96.48
10	0	0.00	0.0		98.02
11	0	0.00	0.0		99.35
12	0	0.00	0.0		101.90
13	0	0.00	0.0		104.82
14	0	0.00	0.0		105.69
15	0	0.00	0.0		108.35
16	0	0.00	0.0		110.09
17	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
 Modified: 11/30/2017 12:06:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : cfDNA-5

Number of peaks found: 4 Noise: 0.3

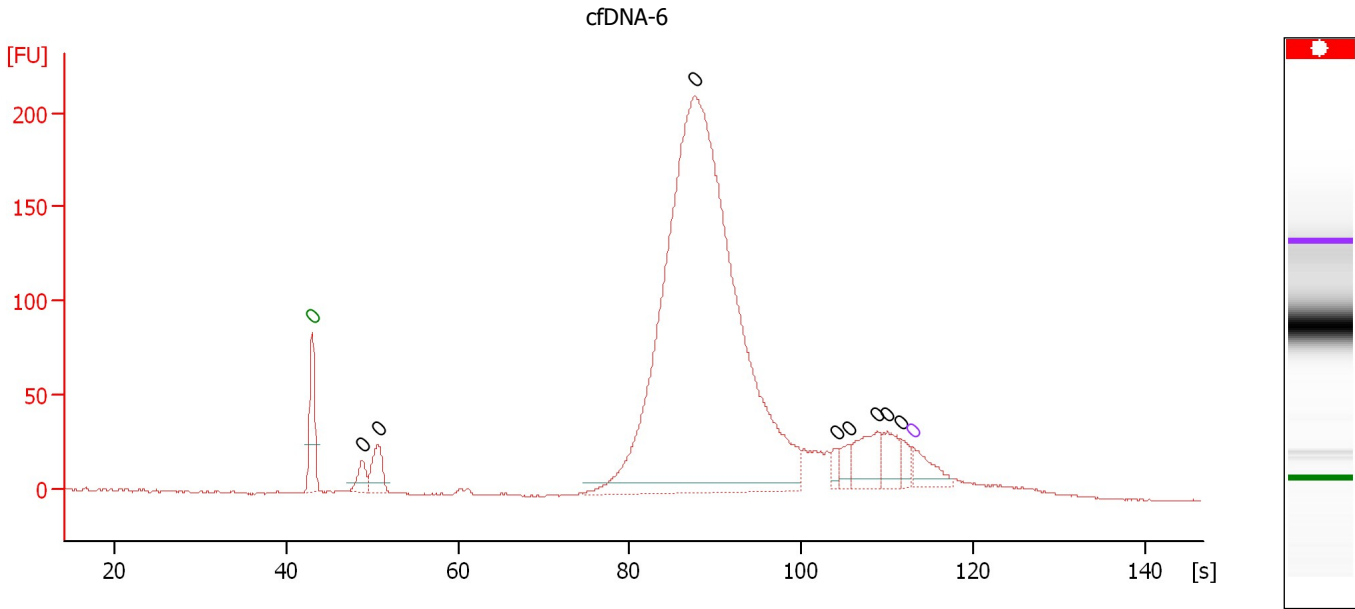
Peak table for sample 5 : cfDNA-5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	54.75
2	0	0.00	0.0		60.20
3	0	0.00	0.0		89.30
4	0	0.00	0.0		89.95
5	0	0.00	0.0		91.35

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
 Modified: 11/30/2017 12:06:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : cfDNA-6

Number of peaks found: 8 Noise: 0.3

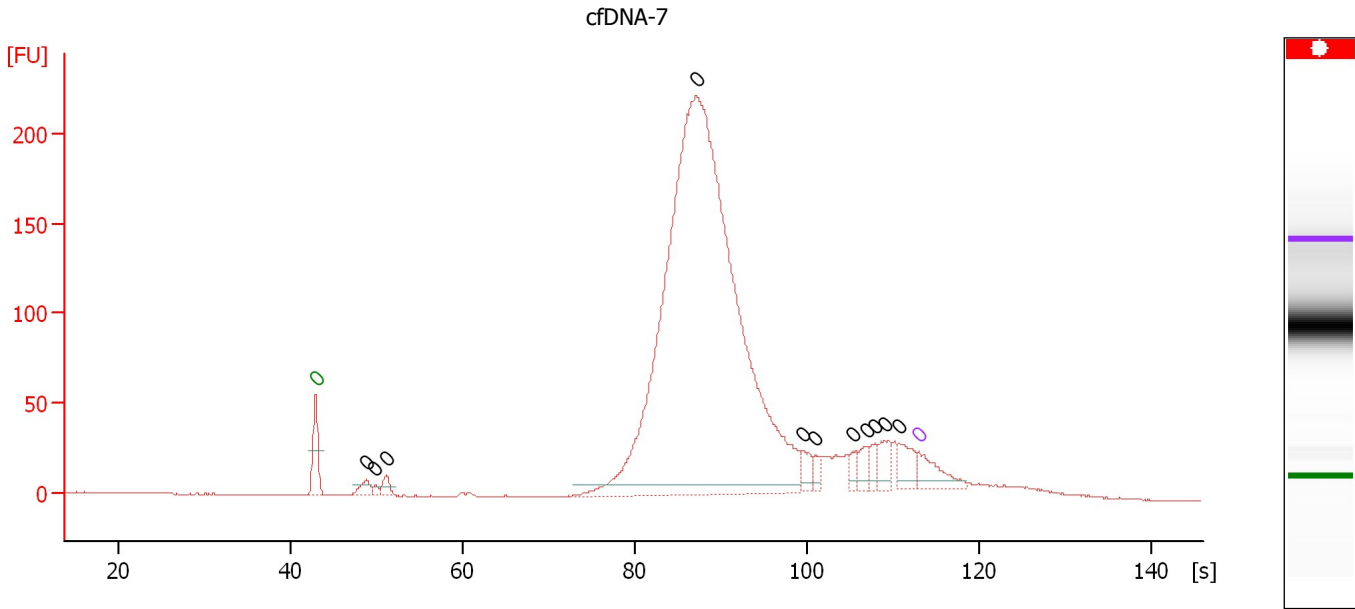
Peak table for sample 6 : cfDNA-6

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		48.88
3	0	0.00	0.0		50.69
4	0	0.00	0.0		87.60
5	0	0.00	0.0		104.12
6	0	0.00	0.0		105.56
7	0	0.00	0.0		108.93
8	0	0.00	0.0		110.06
9	0	0.00	0.0		111.62
10	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
 Modified: 11/30/2017 12:06:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : cfDNA-7

Number of peaks found: 11 Noise: 0.3

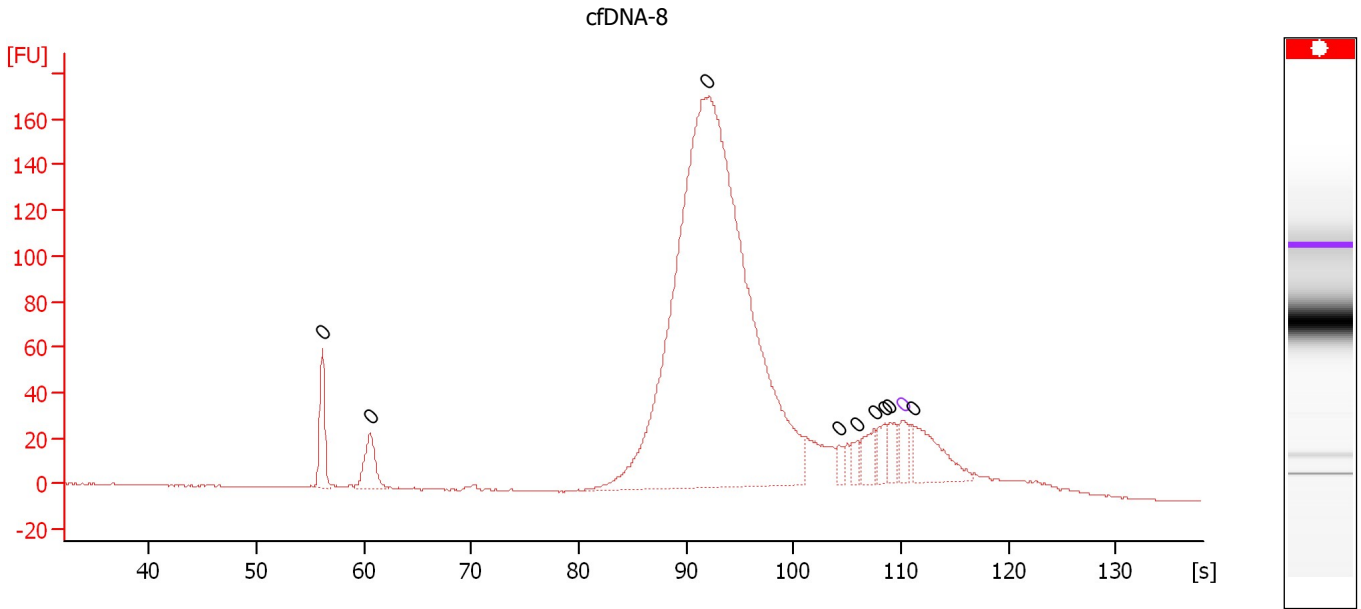
Peak table for sample 7 : cfDNA-7

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		48.86
3	0	0.00	0.0		49.92
4	0	0.00	0.0		51.17
5	0	0.00	0.0		87.19
6	0	0.00	0.0		99.66
7	0	0.00	0.0		101.03
8	0	0.00	0.0		105.33
9	0	0.00	0.0		106.89
10	0	0.00	0.0		107.89
11	0	0.00	0.0		109.07
12	0	0.00	0.0		110.69
13	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
 Modified: 11/30/2017 12:06:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : cfDNA-8

Number of peaks found: 0 Noise: 0.3

Peak table for sample 8 : cfDNA-8

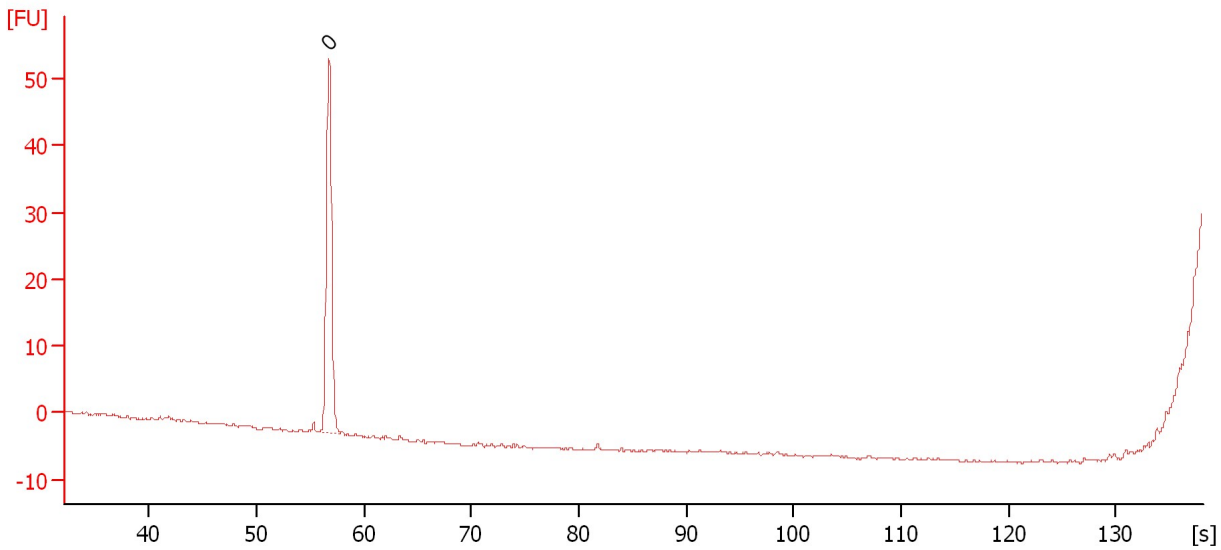
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.10
2	0	0.00	0.0		60.60
3	0	0.00	0.0		91.85
4	0	0.00	0.0		104.25
5	0	0.00	0.0		105.95
6	0	0.00	0.0		107.50
7	0	0.00	0.0		108.50
8	0	0.00	0.0		108.95
9	0	0.00	0.0	Upper Marker	110.15
10	0	0.00	0.0		111.10

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
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Electropherogram Summary Continued ...

DNAtech cDNA-1



Overall Results for sample 9 : DNAtech cDNA-1

Number of peaks found: 0 Noise: 0.2

Peak table for sample 9 : DNAtech cDNA-1

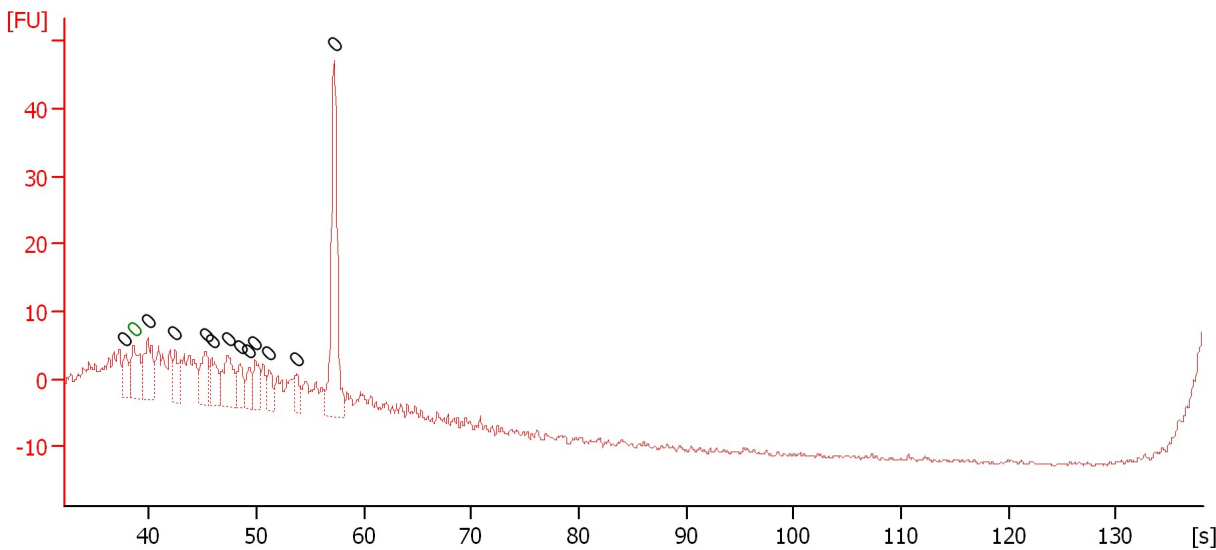
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.75

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
 Modified: 11/30/2017 12:06:52 PM

Electropherogram Summary Continued ...

DNAtech cDNA-2



Overall Results for sample 10 : DNAtech cDNA-2

Number of peaks found: 12 Noise: 0.3

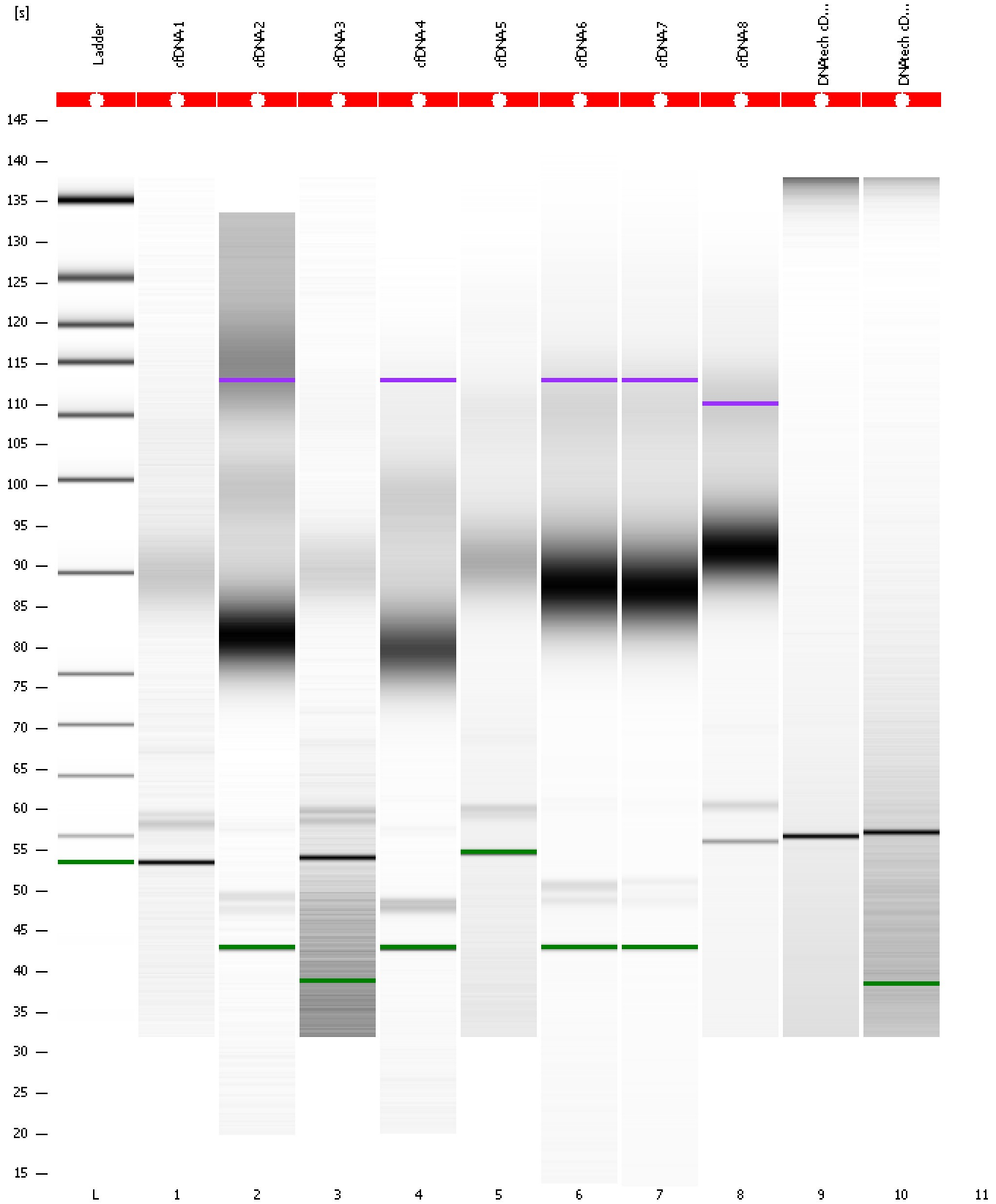
Peak table for sample 10 : DNAtech cDNA-2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		37.70
2	0	0.00	0.0	Lower Marker	38.55
3	0	0.00	0.0		39.85
4	0	0.00	0.0		42.40
5	0	0.00	0.0		45.25
6	0	0.00	0.0		45.80
7	0	0.00	0.0		47.35
8	0	0.00	0.0		48.50
9	0	0.00	0.0		49.25
10	0	0.00	0.0		49.85
11	0	0.00	0.0		51.10
12	0	0.00	0.0		53.65
13	0	0.00	0.0		57.20

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
Modified: 11/30/2017 12:06:52 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-30\2017-11-30_002.xad

Created: 11/30/2017 11:23:04 AM
Modified: 11/30/2017 12:06:52 PM

Invalid Samples

Sample 11 has not been run, no results available.