

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 AM

Electrophoresis File Run Summary

Instrument Information:

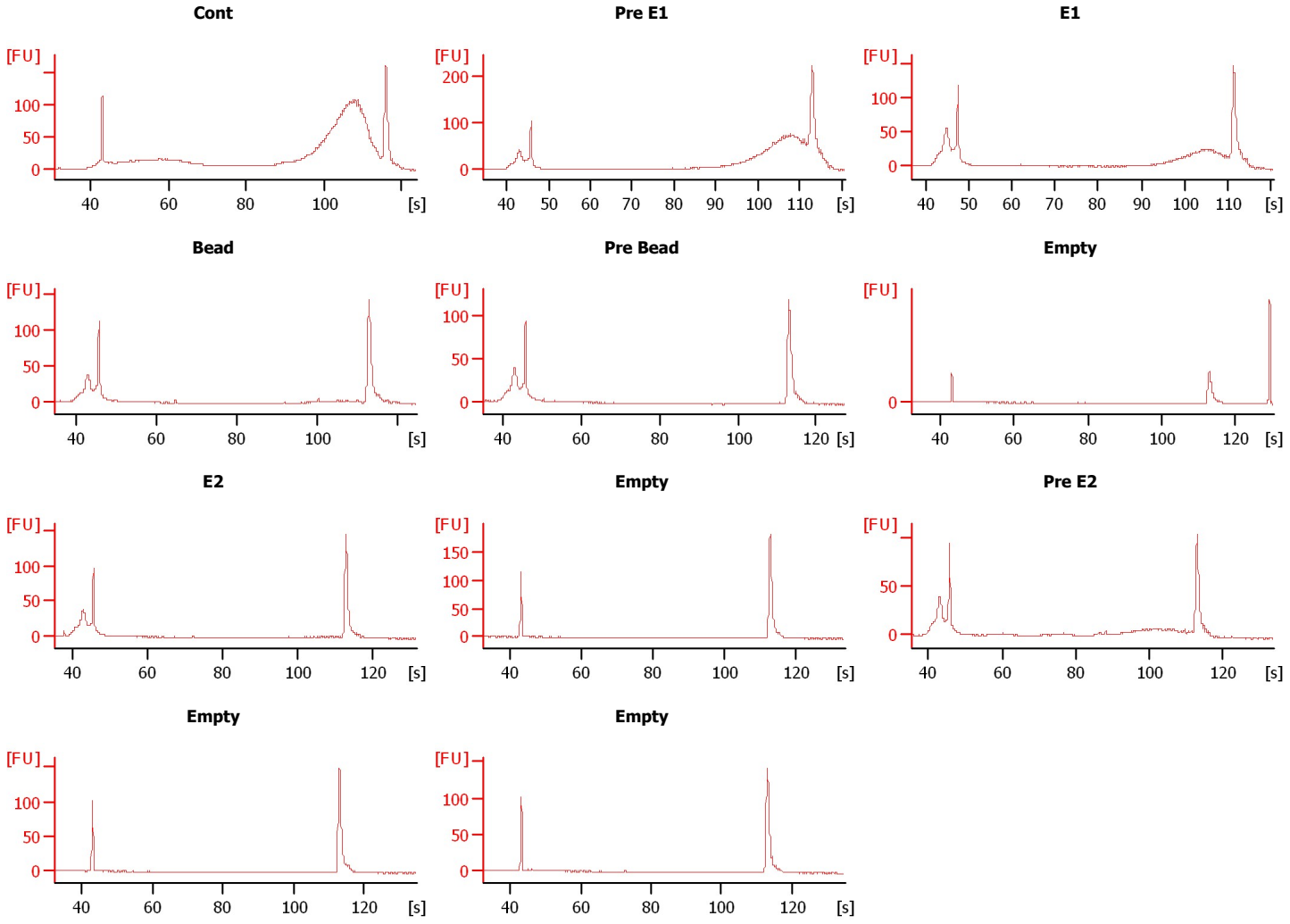
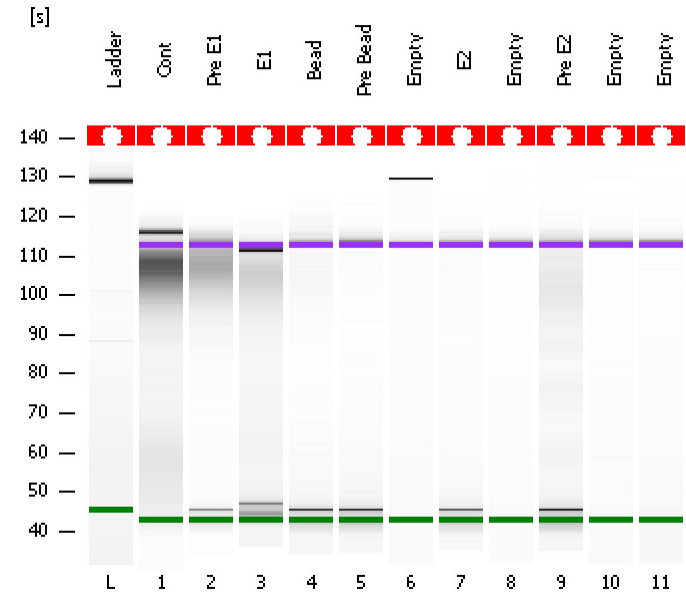
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Cont		<input type="checkbox"/>	✓			
Pre E1		<input type="checkbox"/>	✓			
E1		<input type="checkbox"/>	✓			
Bead		<input type="checkbox"/>	✓			
Pre Bead		<input type="checkbox"/>	✓			
Empty		<input type="checkbox"/>	✓			
E2		<input type="checkbox"/>	✓			
Empty		<input type="checkbox"/>	✓			
Pre E2		<input type="checkbox"/>	✓			
Empty		<input type="checkbox"/>	✓			
Empty		<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\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 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

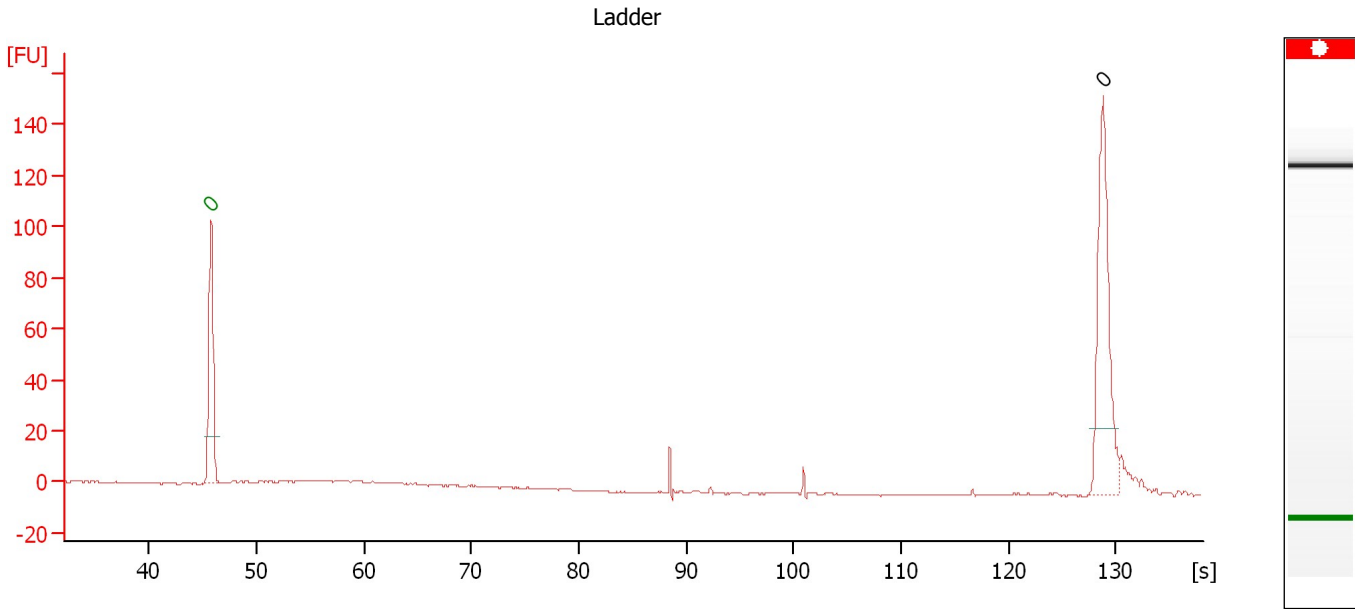
Ladder

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\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

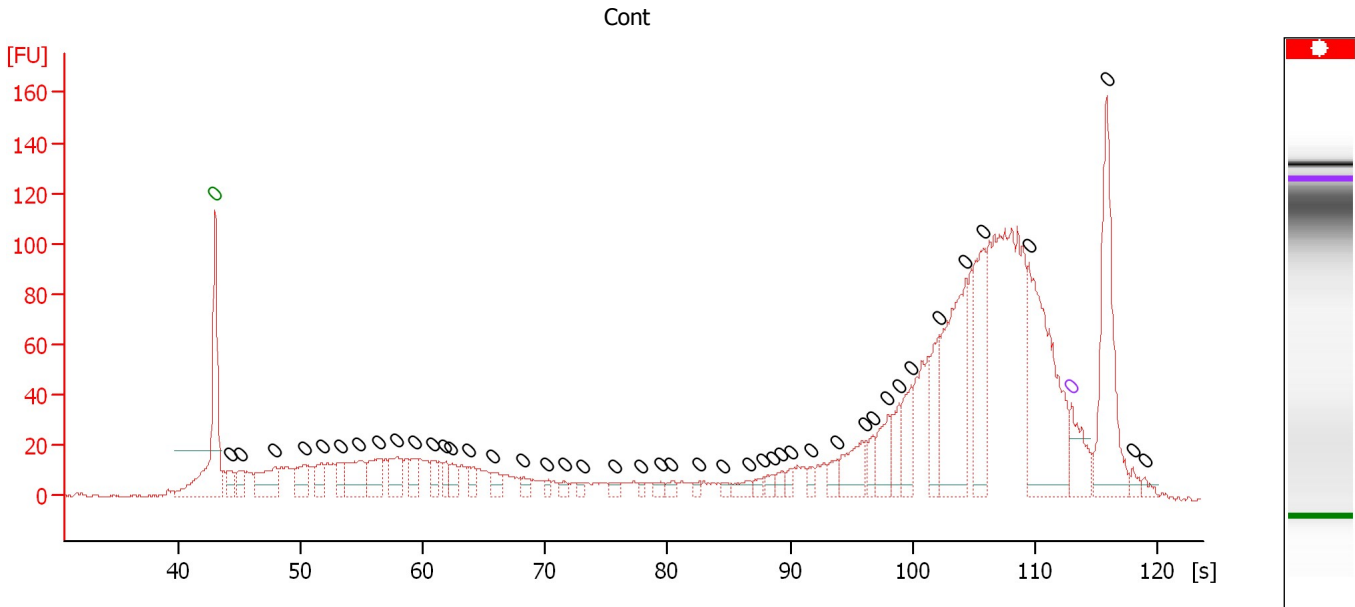
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	45.75
2	0	0.00	0.0	Ladder Peak	128.80

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Cont

Number of peaks found: 44 Noise: 0.4

Peak table for sample 1 : Cont

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		44.19
3	0	0.00	0.0		45.11
4	0	0.00	0.0		47.83
5	0	0.00	0.0		50.33
6	0	0.00	0.0		51.70
7	0	0.00	0.0		53.28
8	0	0.00	0.0		54.68
9	0	0.00	0.0		56.39
10	0	0.00	0.0		57.80
11	0	0.00	0.0		59.29
12	0	0.00	0.0		60.79
13	0	0.00	0.0		61.80
14	0	0.00	0.0		62.19
15	0	0.00	0.0		63.77
16	0	0.00	0.0		65.70
17	0	0.00	0.0		68.21
18	0	0.00	0.0		70.18
19	0	0.00	0.0		71.50
20	0	0.00	0.0		72.99
21	0	0.00	0.0		75.67
22	0	0.00	0.0		77.74
23	0	0.00	0.0		79.41
24	0	0.00	0.0		80.33
25	0	0.00	0.0		82.61
26	0	0.00	0.0		84.59
27	0	0.00	0.0		86.70

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 :

Cont

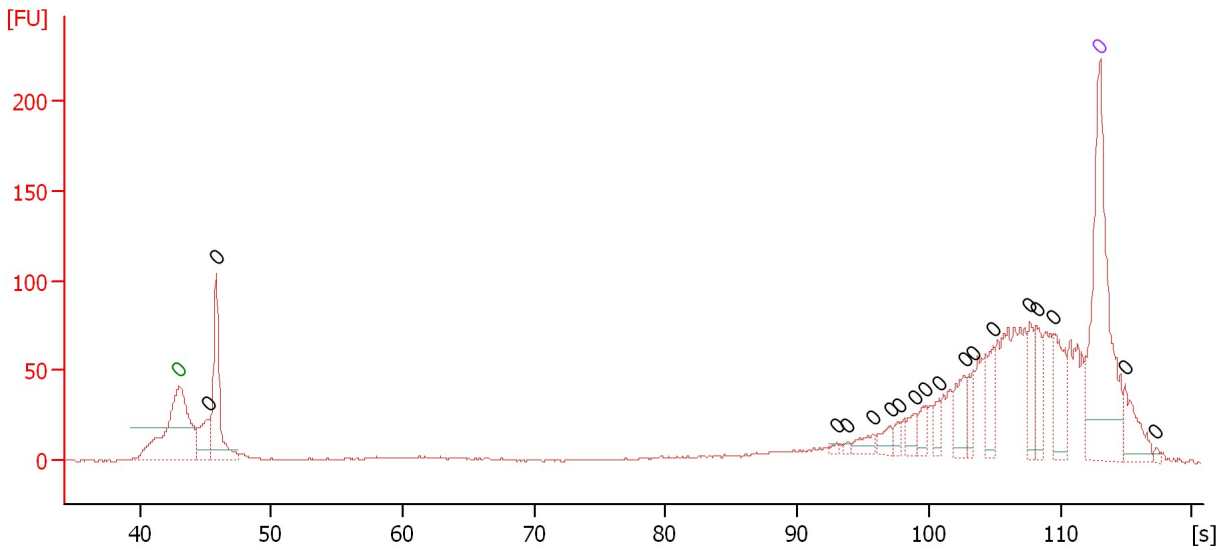
Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		87.75
29	0	0.00	0.0		88.63
30	0	0.00	0.0		89.33
31	0	0.00	0.0		90.08
32	0	0.00	0.0		91.79
33	0	0.00	0.0		93.85
34	0	0.00	0.0		96.14
35	0	0.00	0.0		96.75
36	0	0.00	0.0		97.98
37	0	0.00	0.0		98.90
38	0	0.00	0.0		99.87
39	0	0.00	0.0		102.15
40	0	0.00	0.0		104.39
41	0	0.00	0.0		105.84
42	0	0.00	0.0		109.53
43	0	0.00	0.0	Upper Marker	113.00
44	0	0.00	0.0		115.90
45	0	0.00	0.0		118.05
46	0	0.00	0.0		119.02

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...

Pre E1



Overall Results for sample 2 : Pre E1

Number of peaks found: 18 Noise: 0.6

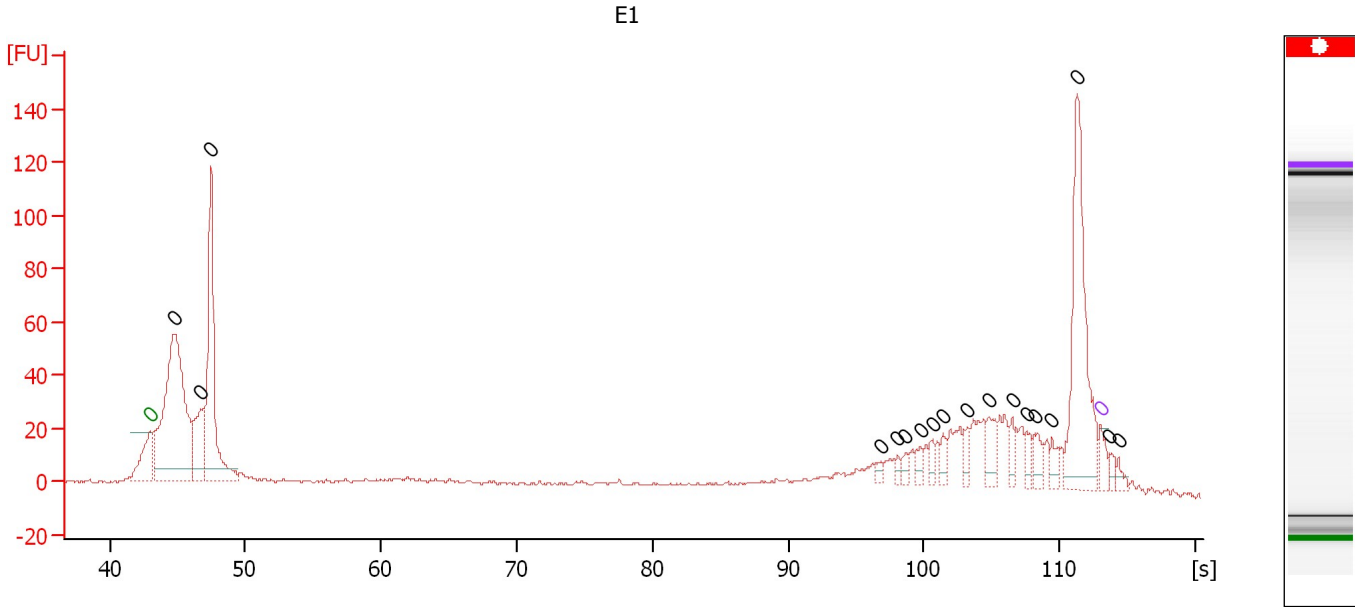
Peak table for sample 2 : Pre E1

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		45.25
3	0	0.00	0.0		45.82
4	0	0.00	0.0		92.99
5	0	0.00	0.0		93.85
6	0	0.00	0.0		95.72
7	0	0.00	0.0		97.07
8	0	0.00	0.0		97.68
9	0	0.00	0.0		98.99
10	0	0.00	0.0		99.77
11	0	0.00	0.0		100.75
12	0	0.00	0.0		102.71
13	0	0.00	0.0		103.36
14	0	0.00	0.0		104.87
15	0	0.00	0.0		107.69
16	0	0.00	0.0		108.18
17	0	0.00	0.0		109.49
18	0	0.00	0.0	Upper Marker	113.00
19	0	0.00	0.0		114.92
20	0	0.00	0.0		117.29

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : E1

Number of peaks found: 18 Noise: 0.5

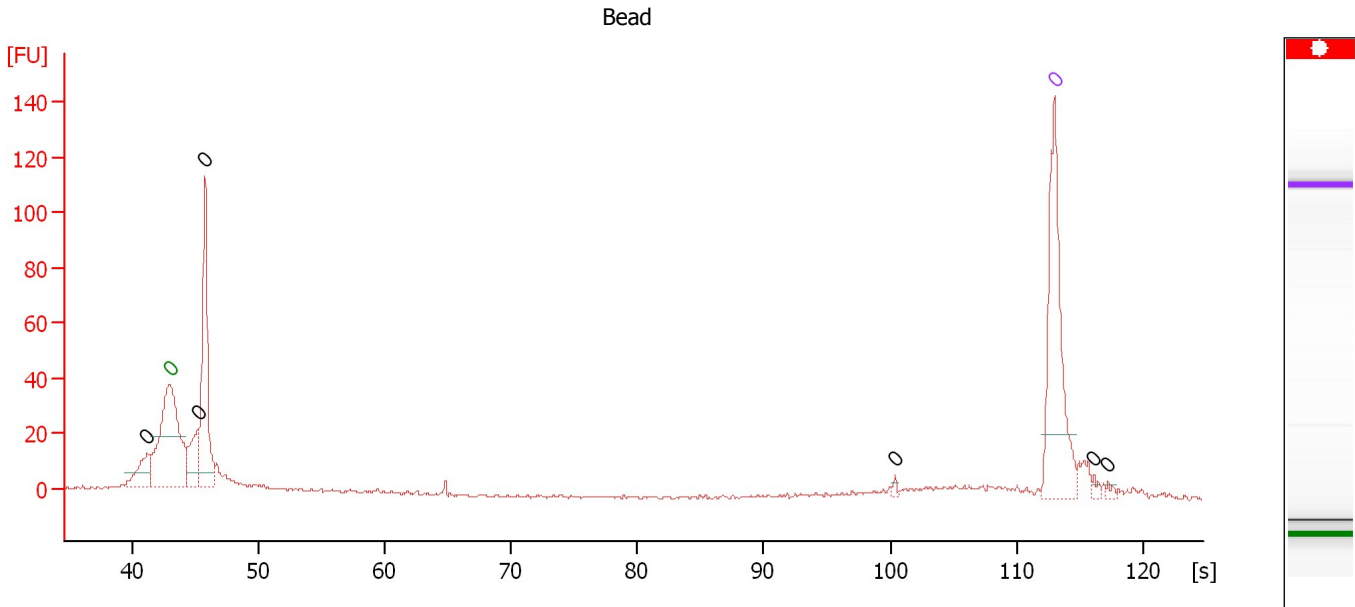
Peak table for sample 3 : E1

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		44.74
3	0	0.00	0.0		46.72
4	0	0.00	0.0		47.47
5	0	0.00	0.0		96.78
6	0	0.00	0.0		98.08
7	0	0.00	0.0		98.68
8	0	0.00	0.0		99.74
9	0	0.00	0.0		100.61
10	0	0.00	0.0		101.41
11	0	0.00	0.0		103.23
12	0	0.00	0.0		104.77
13	0	0.00	0.0		106.51
14	0	0.00	0.0		107.58
15	0	0.00	0.0		108.17
16	0	0.00	0.0		109.44
17	0	0.00	0.0		111.30
18	0	0.00	0.0	Upper Marker	113.00
19	0	0.00	0.0		113.67
20	0	0.00	0.0		114.35

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Bead

Number of peaks found: 6 Noise: 0.6

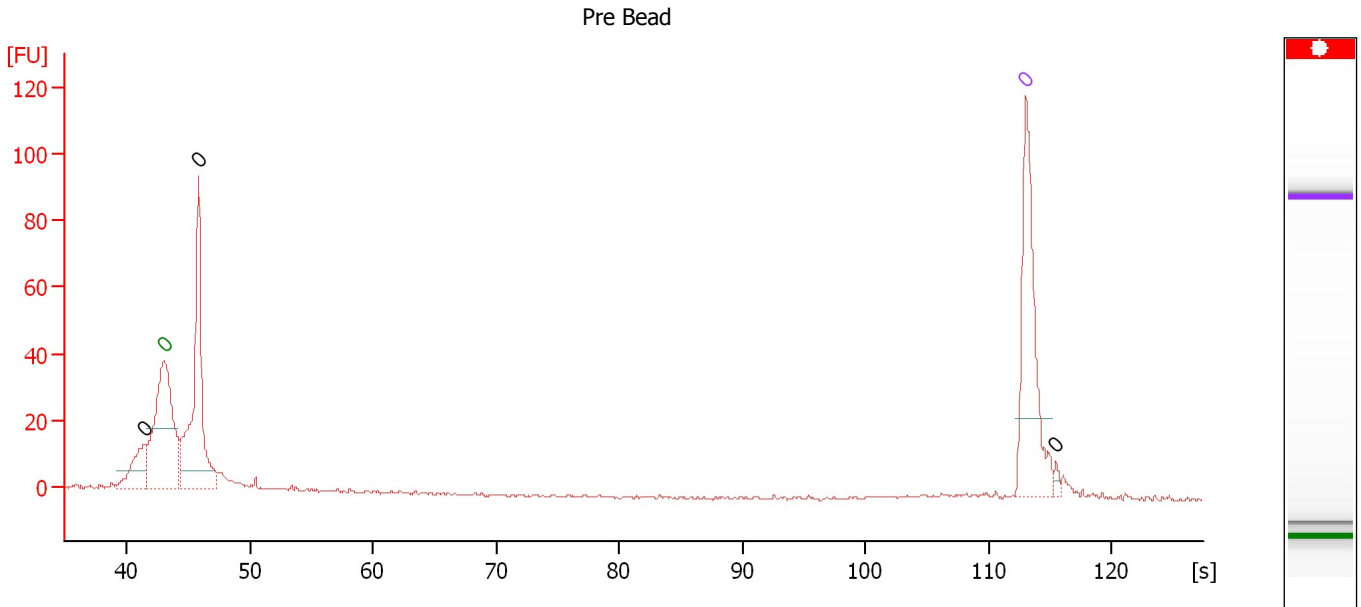
Peak table for sample 4 : Bead

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		41.22
2	0	0.00	0.0	Lower Marker	43.00
3	0	0.00	0.0		45.25
4	0	0.00	0.0		45.80
5	0	0.00	0.0		100.34
6	0	0.00	0.0	Upper Marker	113.00
7	0	0.00	0.0		116.10
8	0	0.00	0.0		117.21

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Pre Bead

Number of peaks found: 3 Noise: 0.4

Peak table for sample 5 : Pre Bead

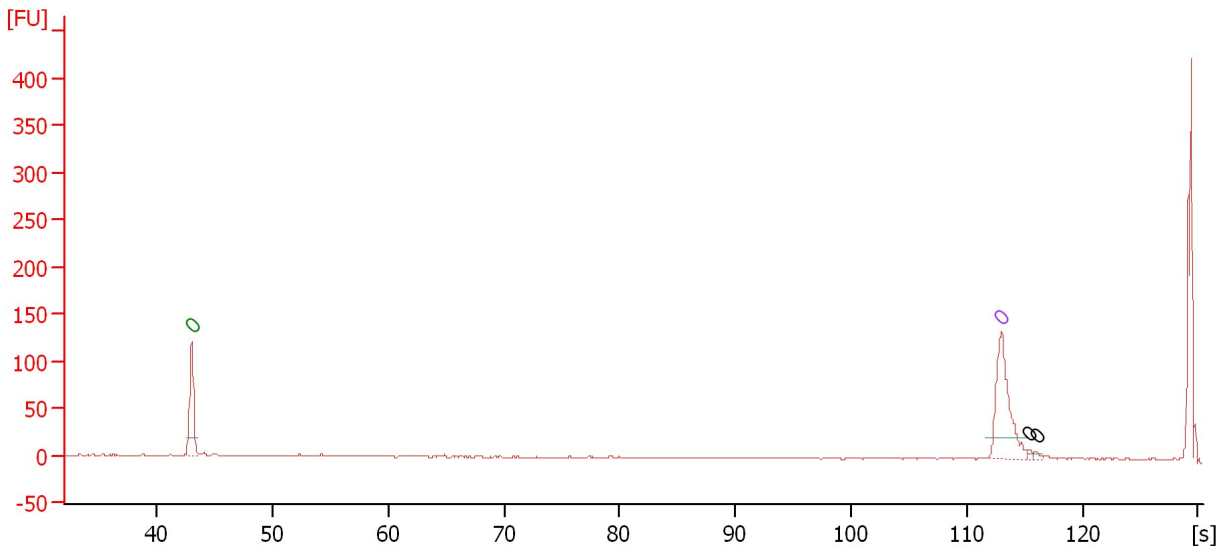
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		41.39
2	0	0.00	0.0	Lower Marker	43.00
3	0	0.00	0.0		45.79
4	0	0.00	0.0	Upper Marker	113.00
5	0	0.00	0.0		115.44

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...

Empty



Overall Results for sample 6 : Empty

Number of peaks found: 2 Noise: 0.4

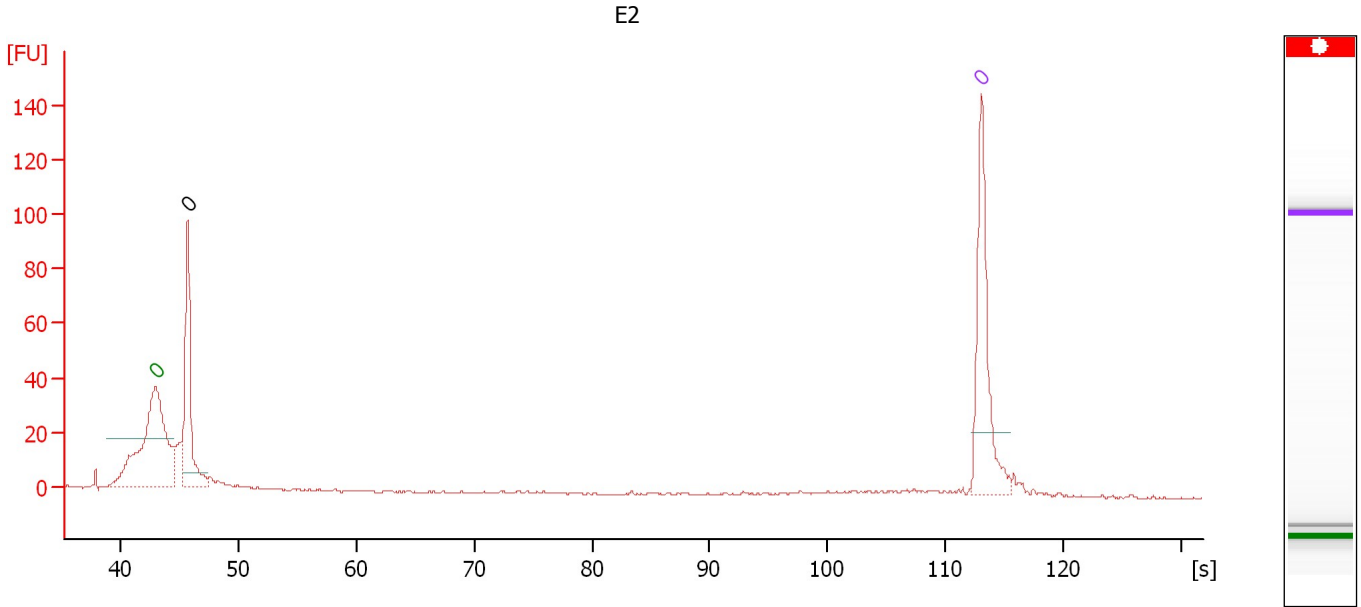
Peak table for sample 6 : Empty

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	Upper Marker	113.00
3	0	0.00	0.0		115.41
4	0	0.00	0.0		116.02

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : E2

Number of peaks found: 1 Noise: 0.3

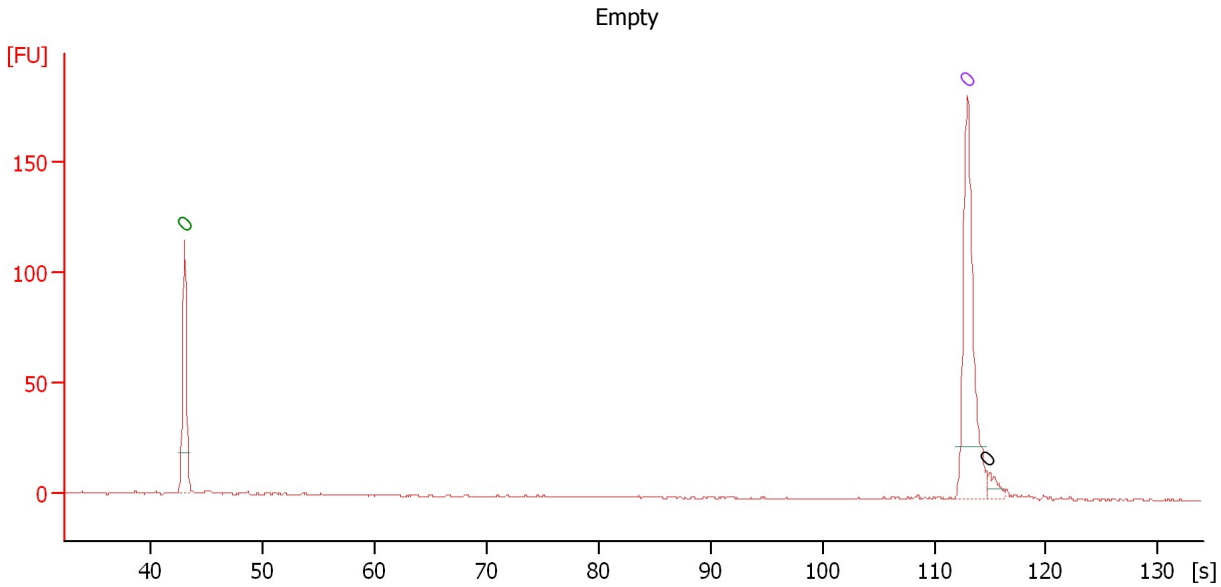
Peak table for sample 7 : E2

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		45.73
3	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Empty

Number of peaks found: 1 Noise: 0.2

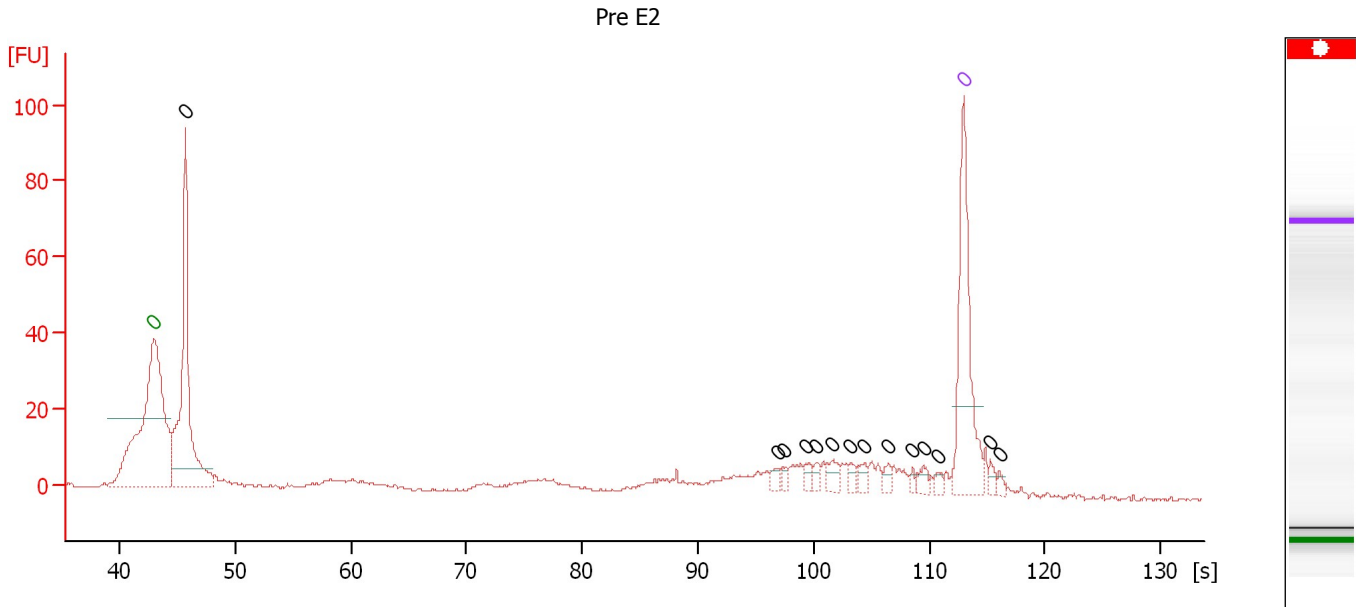
Peak table for sample 8 : Empty

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	Upper Marker	113.00
3	0	0.00	0.0		114.73

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
 Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Pre E2

Number of peaks found: 14 Noise: 0.3

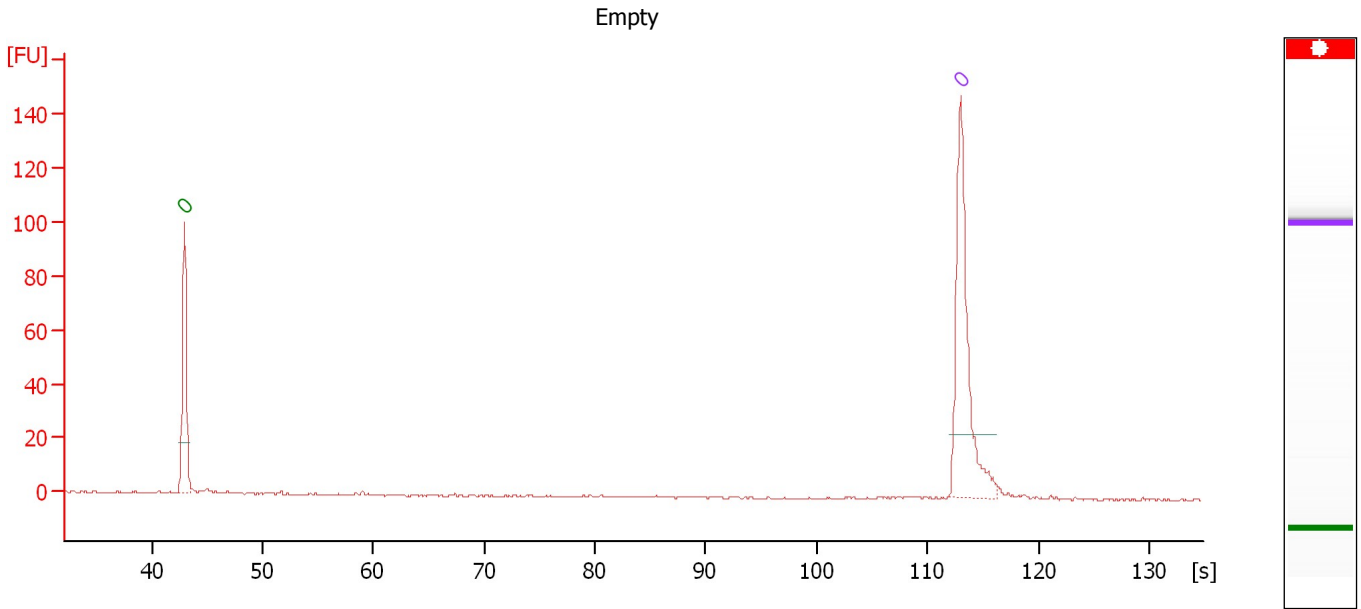
Peak table for sample 9 : Pre E2

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		45.74
3	0	0.00	0.0		96.99
4	0	0.00	0.0		97.40
5	0	0.00	0.0		99.35
6	0	0.00	0.0		100.19
7	0	0.00	0.0		101.58
8	0	0.00	0.0		103.21
9	0	0.00	0.0		104.41
10	0	0.00	0.0		106.50
11	0	0.00	0.0		108.59
12	0	0.00	0.0		109.56
13	0	0.00	0.0		110.82
14	0	0.00	0.0	Upper Marker	113.00
15	0	0.00	0.0		115.27
16	0	0.00	0.0		116.06

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Empty

Number of peaks found: 0 Noise: 0.3

Peak table for sample 10 : Empty

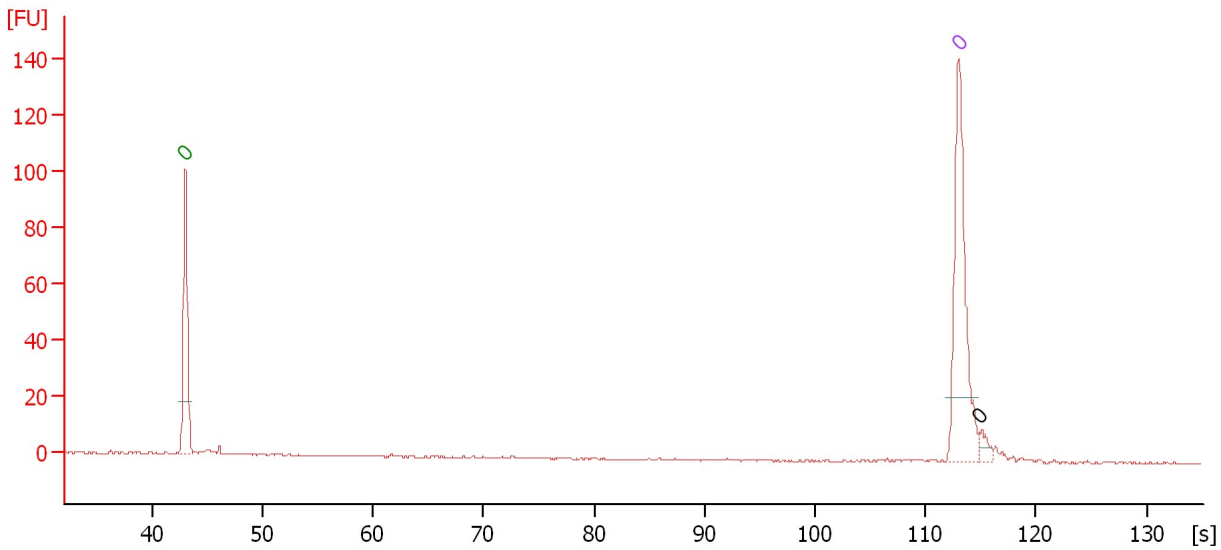
Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 AM

Electropherogram Summary Continued ...

Empty



Overall Results for sample 11 : Empty

Number of peaks found: 1 Noise: 0.2

Peak table for sample 11 : Empty

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	Upper Marker	113.00
3	0	0.00	0.0		114.90

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-08\2018-08-08_001.xad

Created: 8/8/2018 10:22:59 AM
Modified: 8/8/2018 11:05:37 AM

Gel Image

