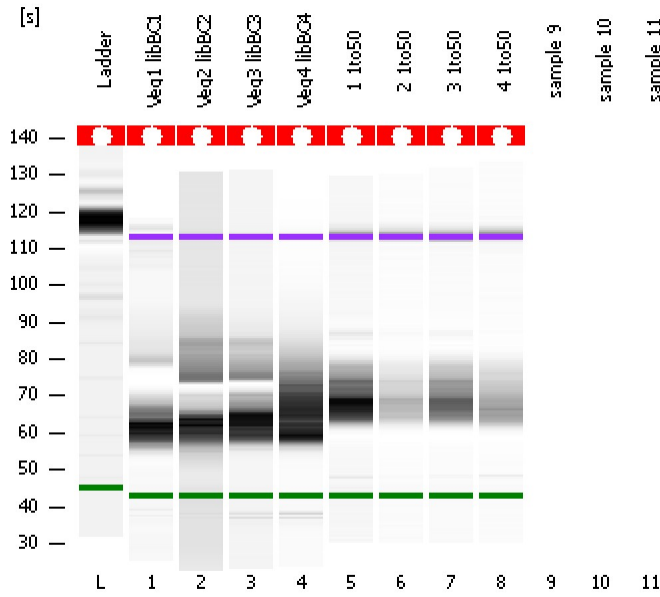


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
Modified: 9/19/2013 2:04:18 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

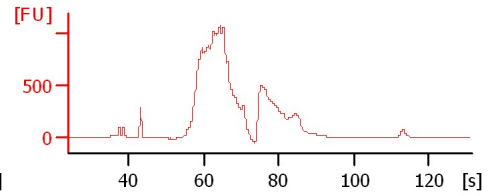
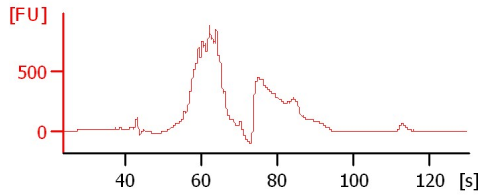
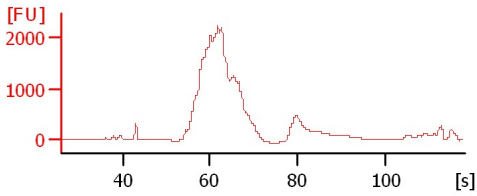
Chip Information:

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

Veg1 libBC1

Veg2 libBC2

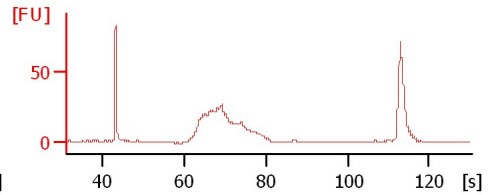
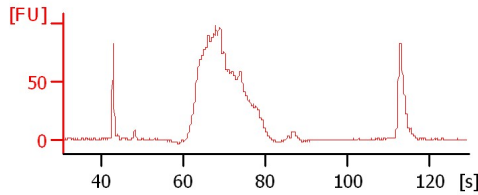
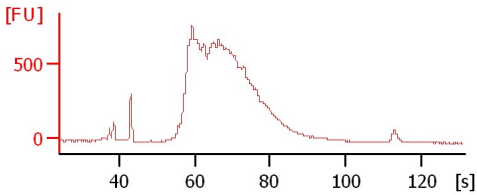
Veg3 libBC3



Veg4 libBC4

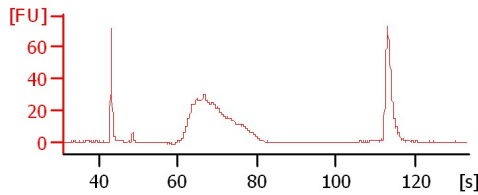
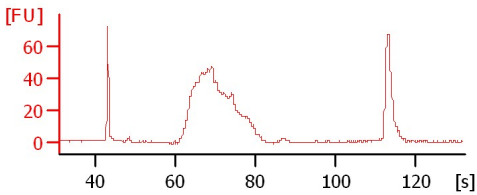
1 1to50

2 1to50



3 1to50

4 1to50



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Veg1 libBC1		<input type="checkbox"/>	✓			
Veg2 libBC2		<input type="checkbox"/>	✓			
Veg3 libBC3		<input type="checkbox"/>	✓			
Veg4 libBC4		<input type="checkbox"/>	✓			
1 1to50		<input type="checkbox"/>	✓			
2 1to50		<input type="checkbox"/>	✓			
3 1to50		<input type="checkbox"/>	✓			
4 1to50		<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:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
Modified: 9/19/2013 2:04:18 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

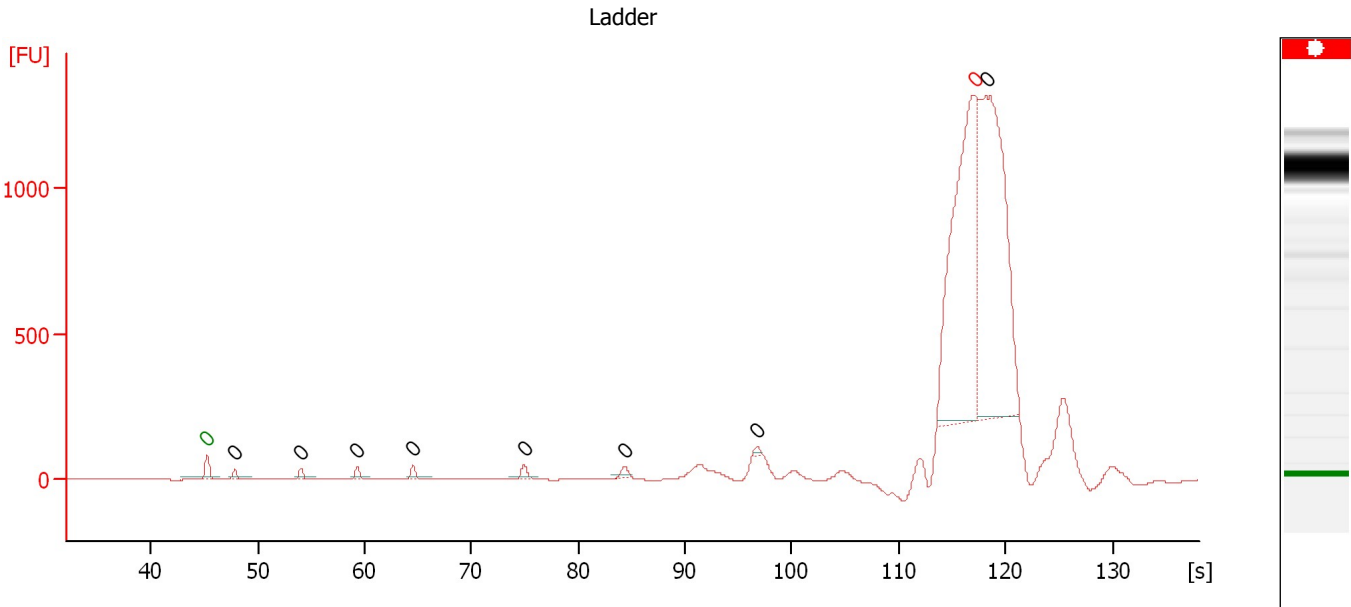
Ladder

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:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

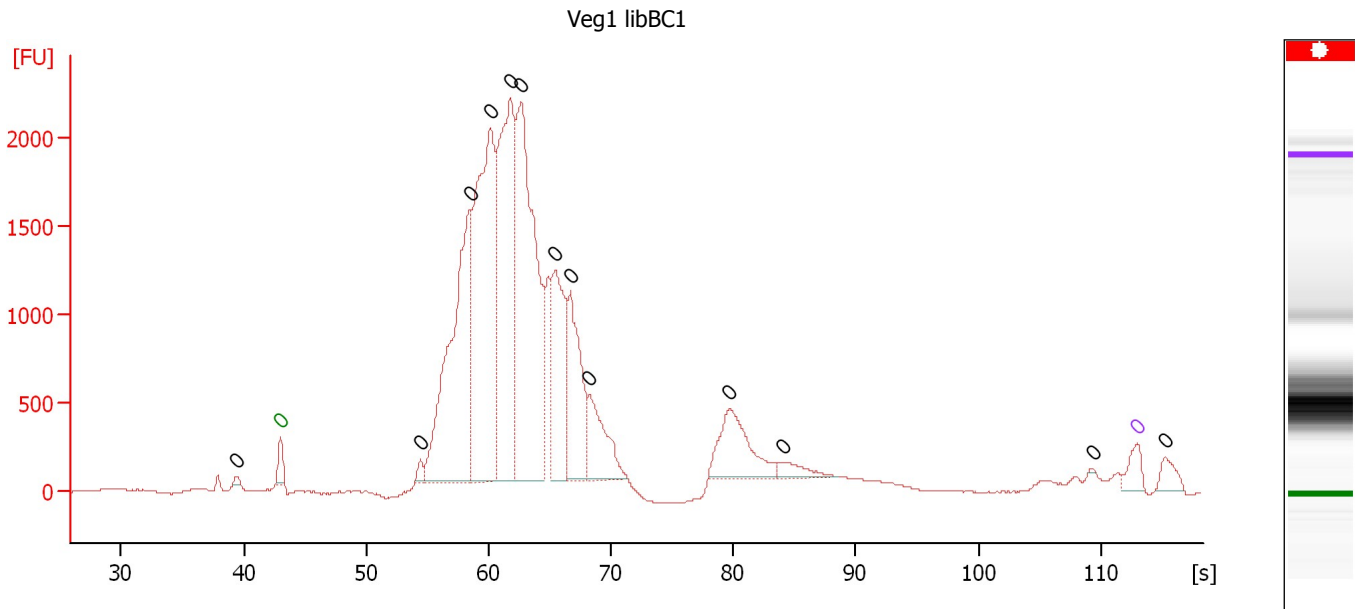
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Ladder Peak
3	0	0.00	0.0	Ladder Peak
4	0	0.00	0.0	Ladder Peak
5	0	0.00	0.0	Ladder Peak
6	0	0.00	0.0	Ladder Peak
7	0	0.00	0.0	Ladder Peak
8	0	0.00	0.0	Ladder Peak
9	0	0.00	0.0	excluded peak
10	0	0.00	0.0	Ladder Peak

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Veg1 libBC1

Number of peaks found: 13 Noise: 1.9

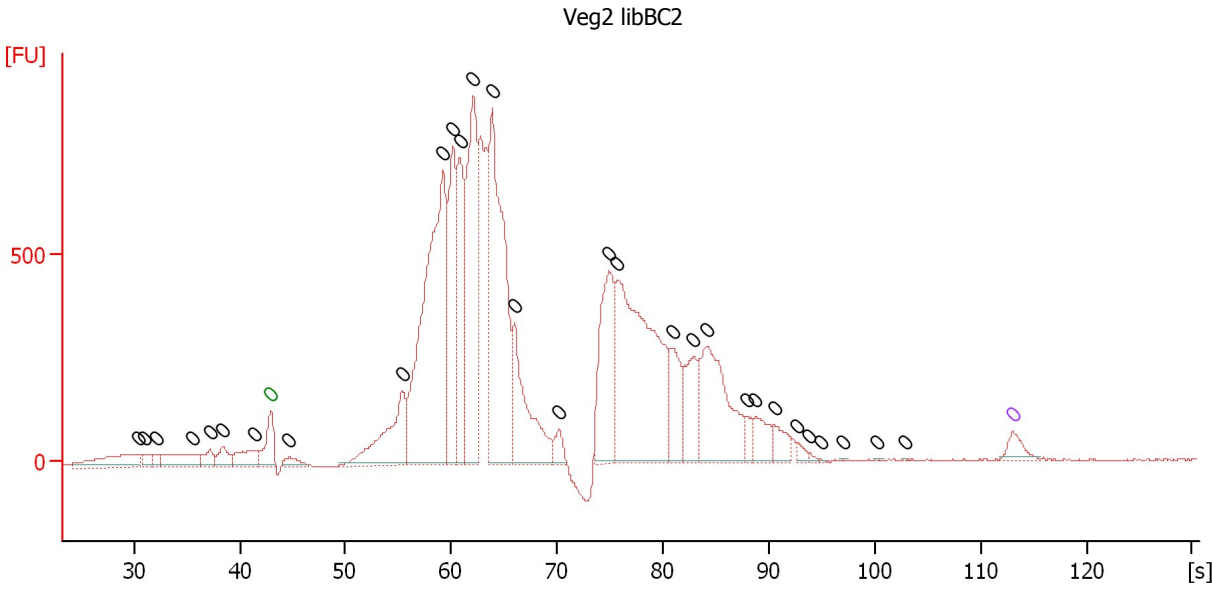
Peak table for sample 1 : Veg1 libBC1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	Lower Marker
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	Upper Marker
15	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Veg2 libBC2

Number of peaks found: 30 Noise: 0.9


Peak table for sample 2 : Veg2 libBC2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	Lower Marker
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	
23	0	0.00	0.0	
24	0	0.00	0.0	
25	0	0.00	0.0	
26	0	0.00	0.0	
27	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
Modified: 9/19/2013 2:04:18 PM

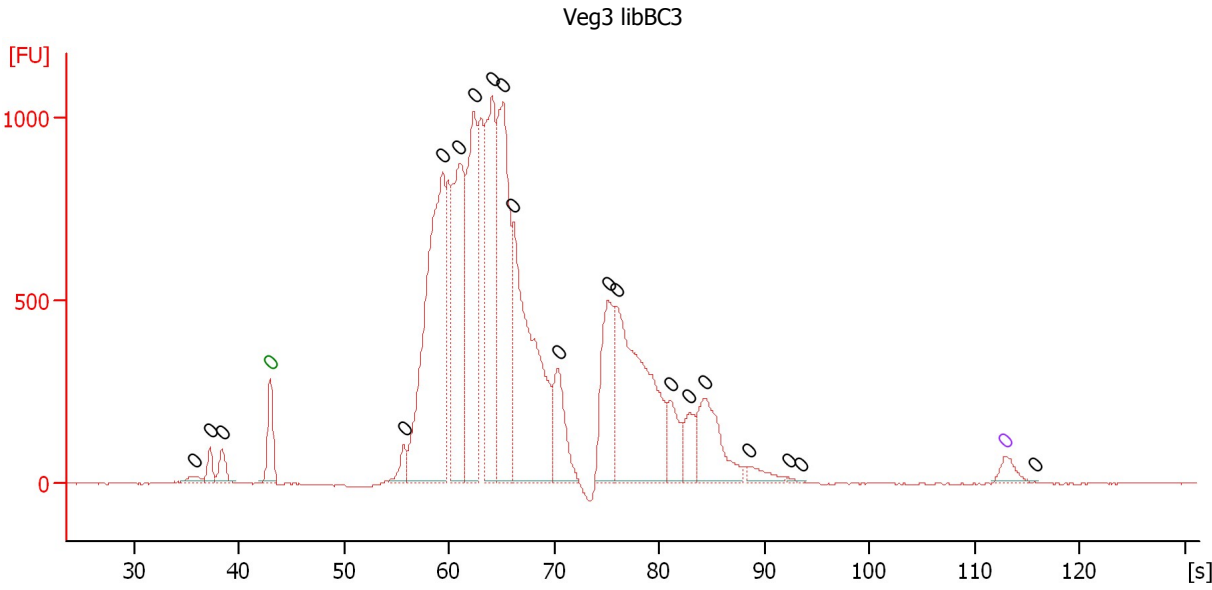
Electropherogram Summary Continued ...**... Peak table for sample 2 : Veg2 libBC2**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
28	0	0.00	0.0	
29	0	0.00	0.0	
30	0	0.00	0.0	
31	0	0.00	0.0	
32	 0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Veg3 libBC3

Number of peaks found: 20 Noise: 1.6

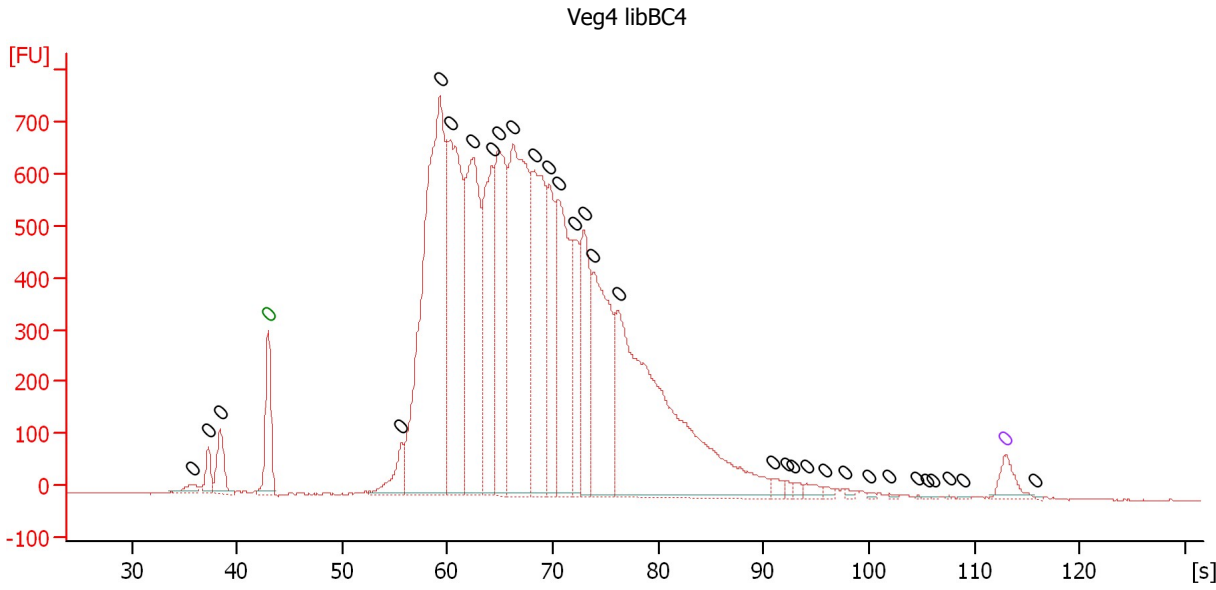
Peak table for sample 3 : Veg3 libBC3

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	Lower Marker
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	Upper Marker
22	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Veg4 libBC4

Number of peaks found: 31 Noise: 1.3

Peak table for sample 4 : Veg4 libBC4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	Lower Marker
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	
23	0	0.00	0.0	
24	0	0.00	0.0	
25	0	0.00	0.0	
26	0	0.00	0.0	
27	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
Modified: 9/19/2013 2:04:18 PM

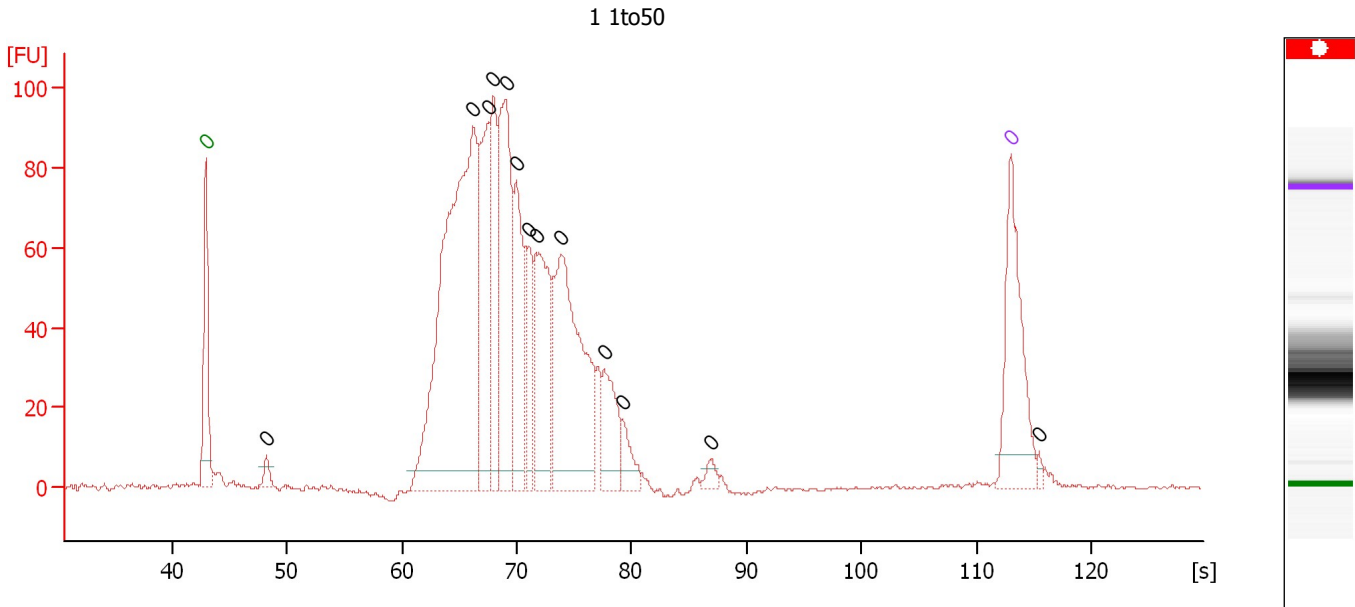
Electropherogram Summary Continued ...**... Peak table for sample 4 : Veg4 libBC4**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
28	0	0.00	0.0	
29	0	0.00	0.0	
30	0	0.00	0.0	
31	0	0.00	0.0	
32	0	0.00	0.0	Upper Marker
33	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1 1to50

Number of peaks found: 13 Noise: 0.4

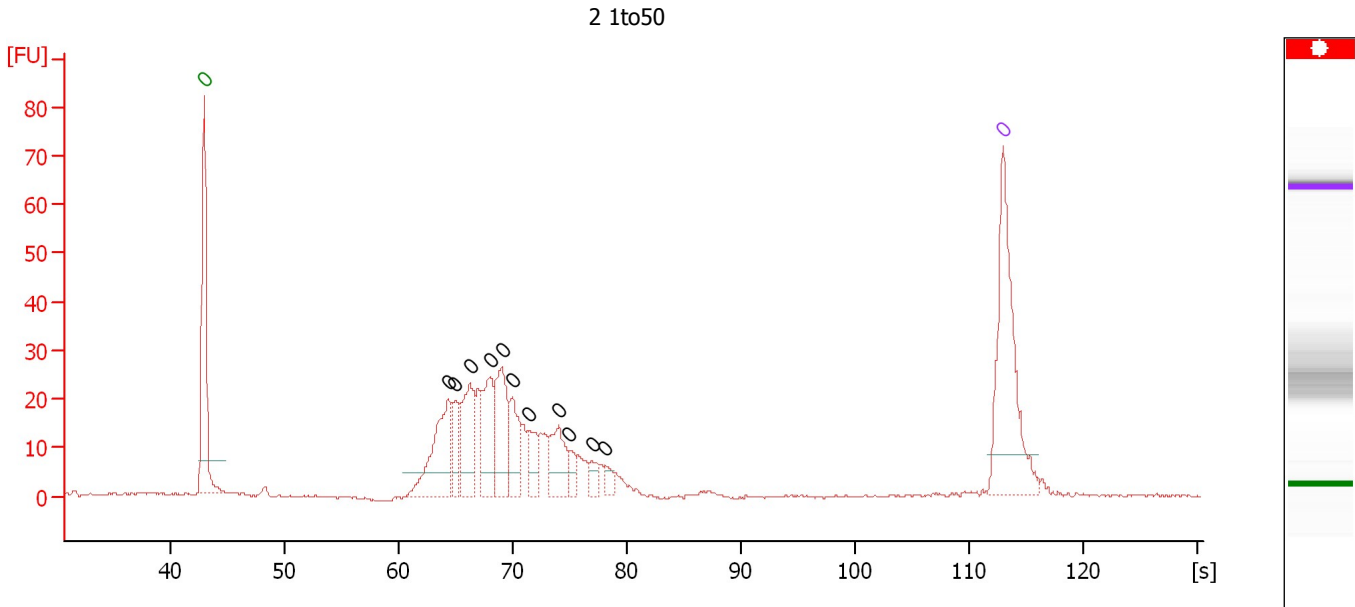
Peak table for sample 5 : 1 1to50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	Upper Marker
15	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2 1to50

Number of peaks found: 11 Noise: 0.3

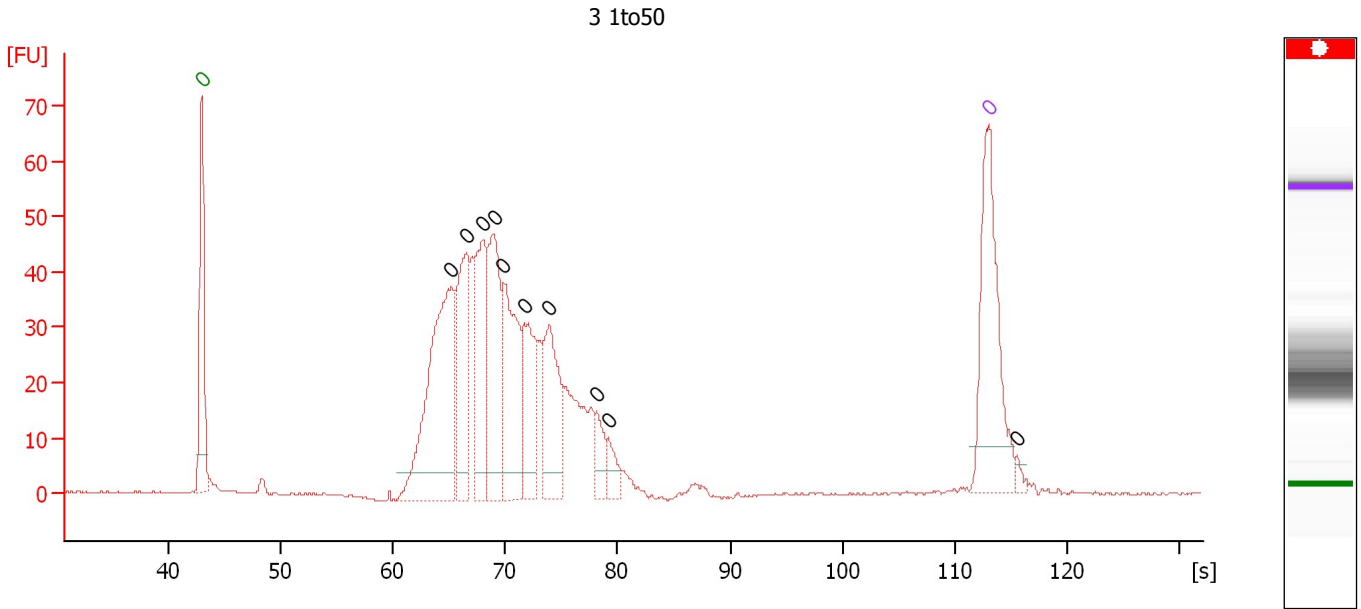
Peak table for sample 6 : 2 1to50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 3 1to50

Number of peaks found: 10 Noise: 0.2

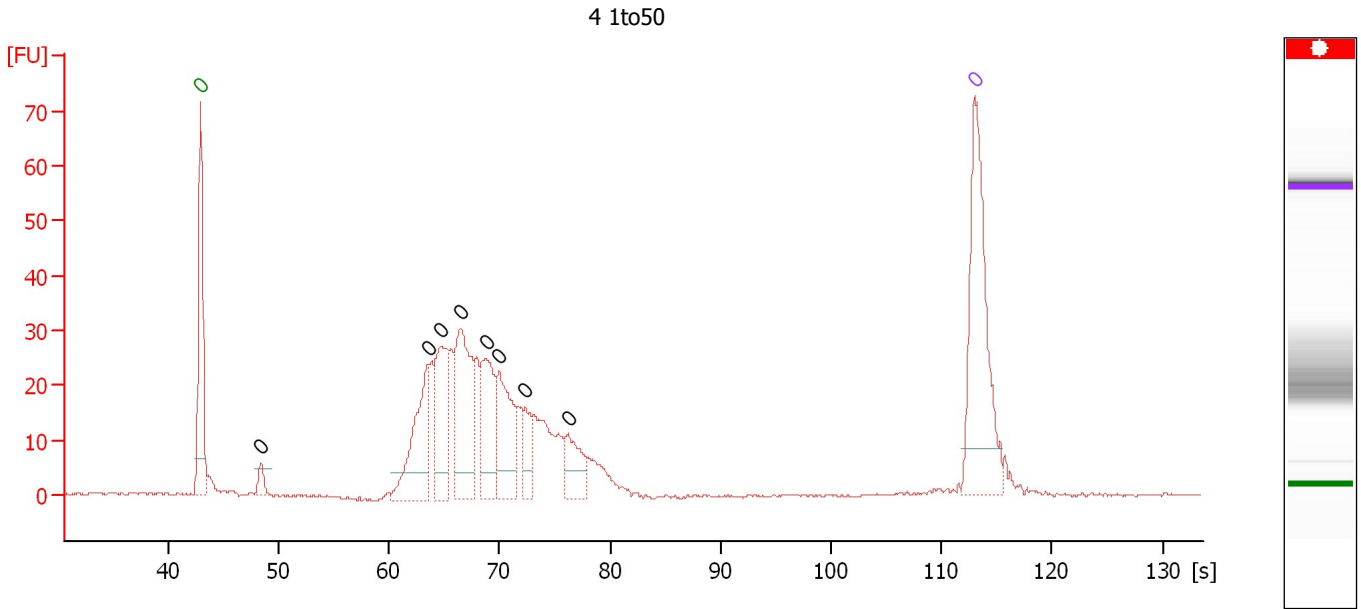
Peak table for sample 7 : 3 1to50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	Upper Marker
12	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
 Modified: 9/19/2013 2:04:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 4 1to50

Number of peaks found: 8 Noise: 0.2

Peak table for sample 8 : 4 1to50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-19\2013-09-19_004.xad

Created: 9/19/2013 1:18:55 PM
Modified: 9/19/2013 2:04:18 PM

Gel Image

