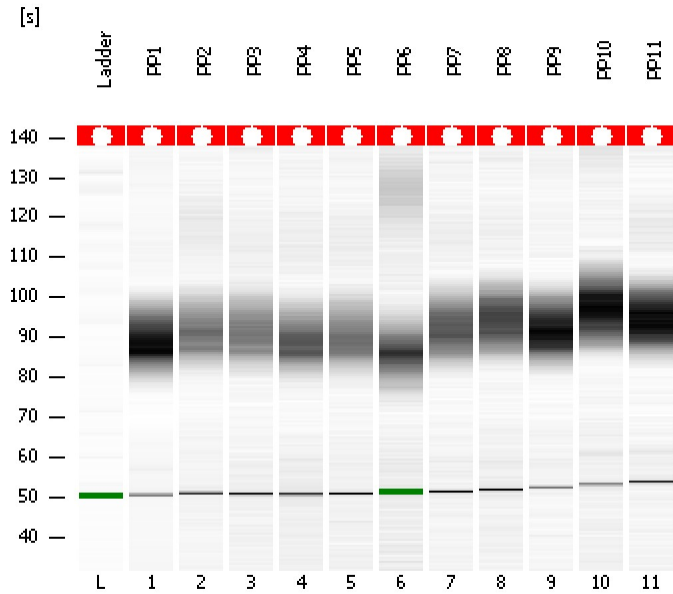


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
Modified: 2/3/2014 12:15:57 PM

Electrophoresis File Run Summary



Instrument Information:

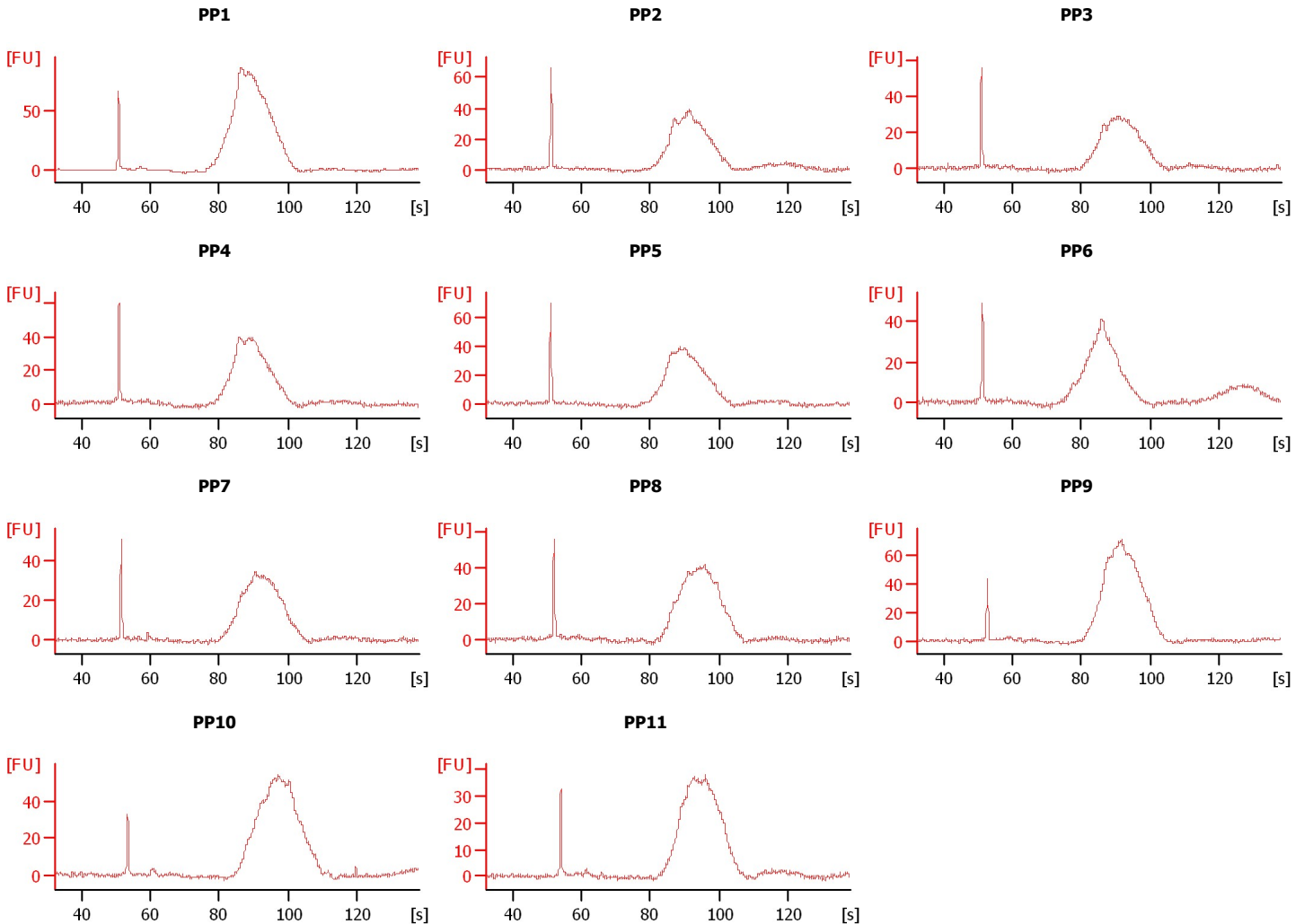
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
Modified: 2/3/2014 12:15:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PP1		<input type="checkbox"/>	✓			
PP2		<input type="checkbox"/>	✓			
PP3		<input type="checkbox"/>	✓			
PP4		<input type="checkbox"/>	✓			
PP5		<input type="checkbox"/>	✓			
PP6		<input type="checkbox"/>	✓			
PP7		<input type="checkbox"/>	✓			
PP8		<input type="checkbox"/>	✓			
PP9		<input type="checkbox"/>	✓			
PP10		<input type="checkbox"/>	✓			
PP11		<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\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
Modified: 2/3/2014 12:15:57 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

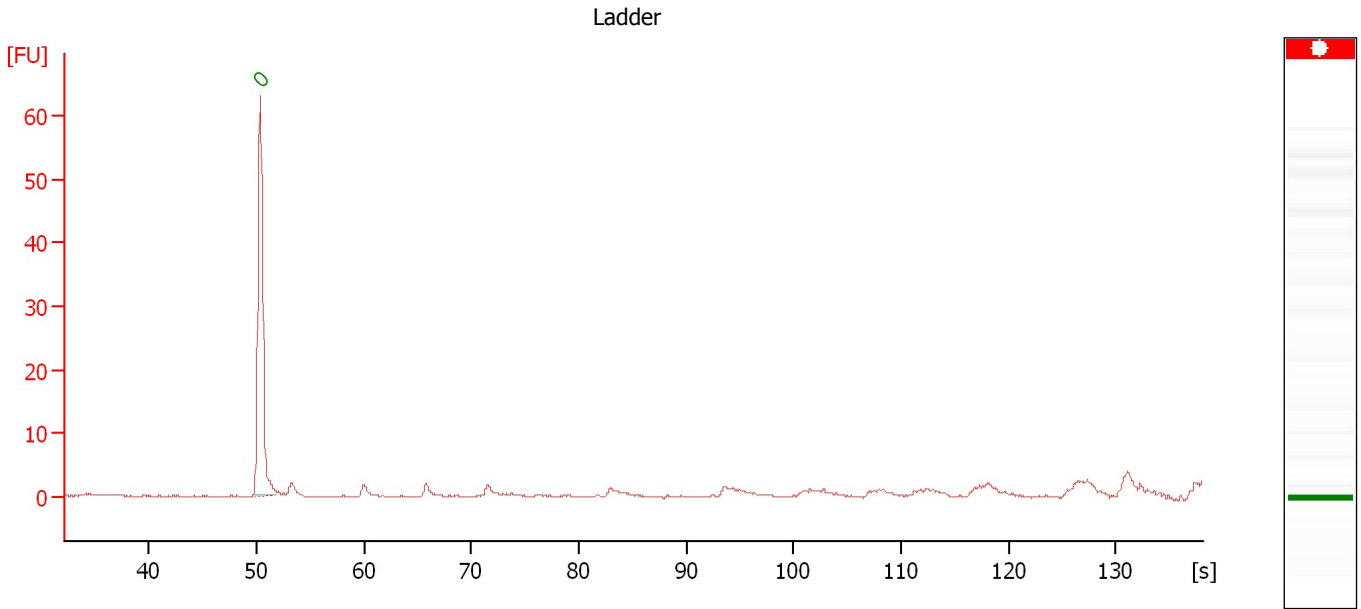
Ladder

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\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

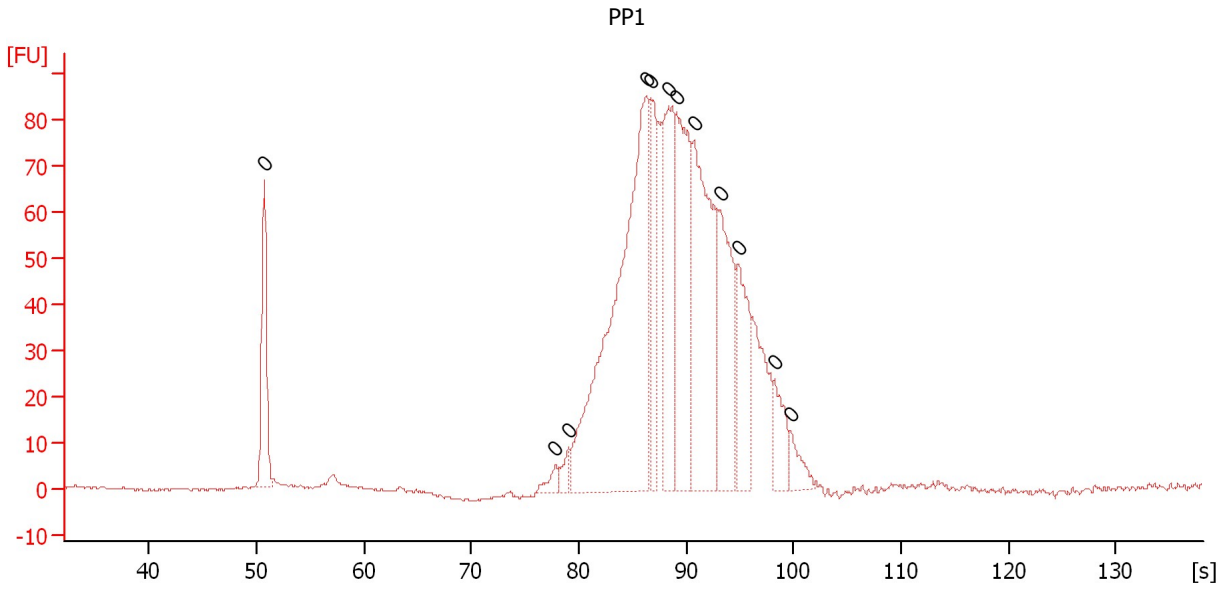
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	50.35	0	0.00	0.0	Lower Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PP1

Number of peaks found: 0 Noise: 0.3

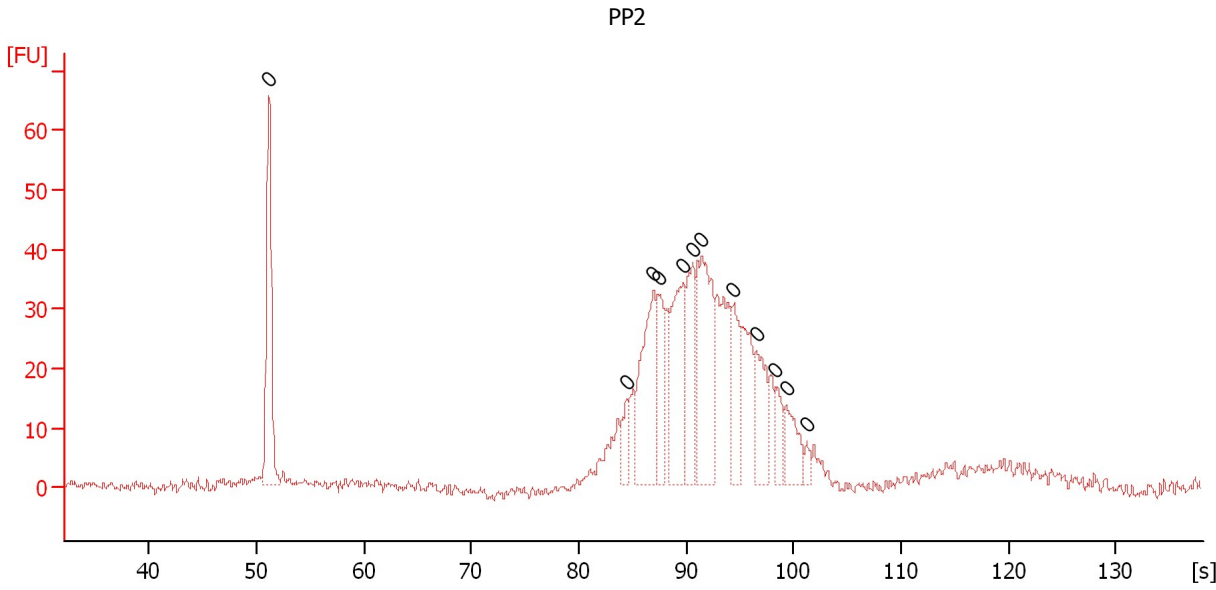
Peak table for sample 1 : PP1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	50.70	0	0.00	0.0	
2	77.80	0	0.00	0.0	
3	79.05	0	0.00	0.0	
4	86.30	0	0.00	0.0	
5	86.70	0	0.00	0.0	
6	88.35	0	0.00	0.0	
7	89.05	0	0.00	0.0	
8	90.75	0	0.00	0.0	
9	93.15	0	0.00	0.0	
10	94.85	0	0.00	0.0	
11	98.25	0	0.00	0.0	
12	99.70	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : PP2

Number of peaks found: 0 Noise: 0.8

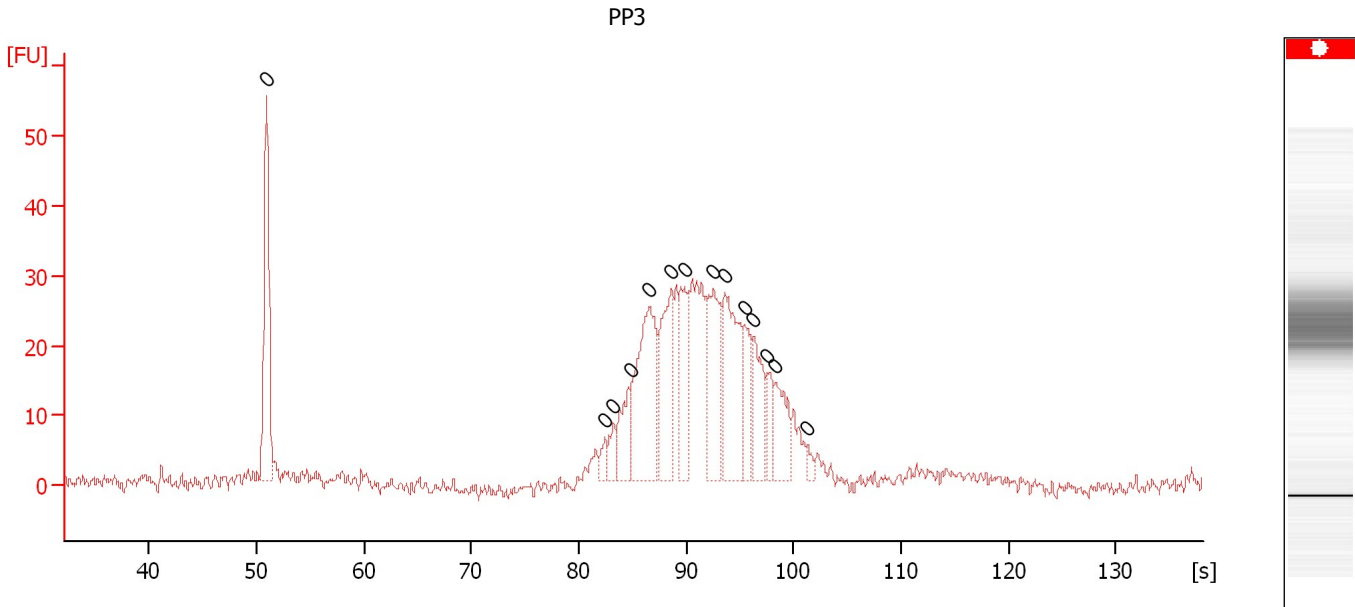
Peak table for sample 2 : PP2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.15	0	0.00	0.0	
2	84.50	0	0.00	0.0	
3	86.95	0	0.00	0.0	
4	87.40	0	0.00	0.0	
5	89.75	0	0.00	0.0	
6	90.55	0	0.00	0.0	
7	91.45	0	0.00	0.0	
8	94.35	0	0.00	0.0	
9	96.50	0	0.00	0.0	
10	98.35	0	0.00	0.0	
11	99.30	0	0.00	0.0	
12	101.20	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PP3

Number of peaks found: 0 Noise: 1.0

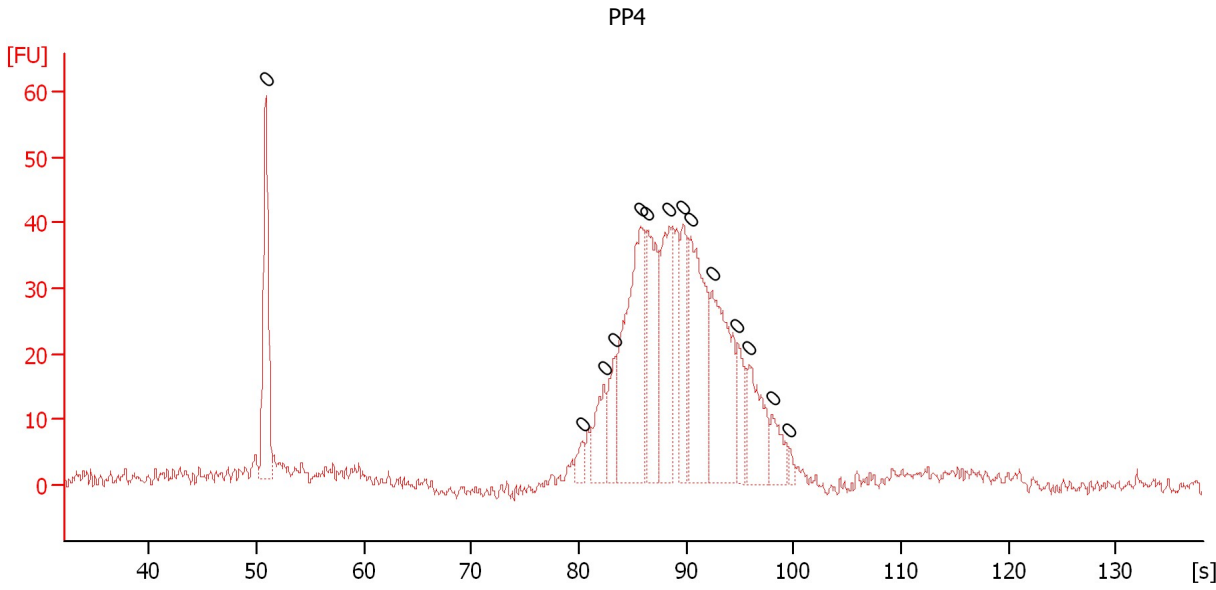
Peak table for sample 3 : PP3

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	50.90	0	0.00	0.0	
2	82.40	0	0.00	0.0	
3	83.20	0	0.00	0.0	
4	84.80	0	0.00	0.0	
5	86.55	0	0.00	0.0	
6	88.65	0	0.00	0.0	
7	89.85	0	0.00	0.0	
8	92.55	0	0.00	0.0	
9	93.60	0	0.00	0.0	
10	95.40	0	0.00	0.0	
11	96.30	0	0.00	0.0	
12	97.60	0	0.00	0.0	
13	98.35	0	0.00	0.0	
14	101.25	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PP4

Number of peaks found: 0 Noise: 1.0

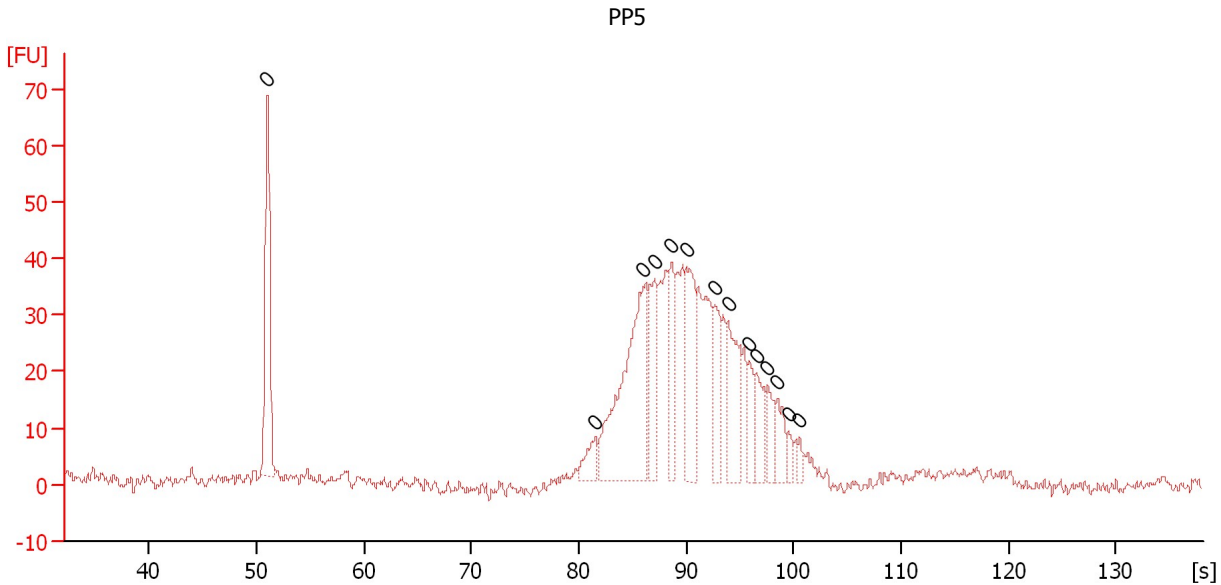
Peak table for sample 4 : PP4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	50.85	0	0.00	0.0	
2	80.30	0	0.00	0.0	
3	82.35	0	0.00	0.0	
4	83.35	0	0.00	0.0	
5	85.70	0	0.00	0.0	
6	86.40	0	0.00	0.0	
7	88.45	0	0.00	0.0	
8	89.75	0	0.00	0.0	
9	90.40	0	0.00	0.0	
10	92.40	0	0.00	0.0	
11	94.75	0	0.00	0.0	
12	95.90	0	0.00	0.0	
13	98.00	0	0.00	0.0	
14	99.60	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PP5

Number of peaks found: 0 Noise: 1.1

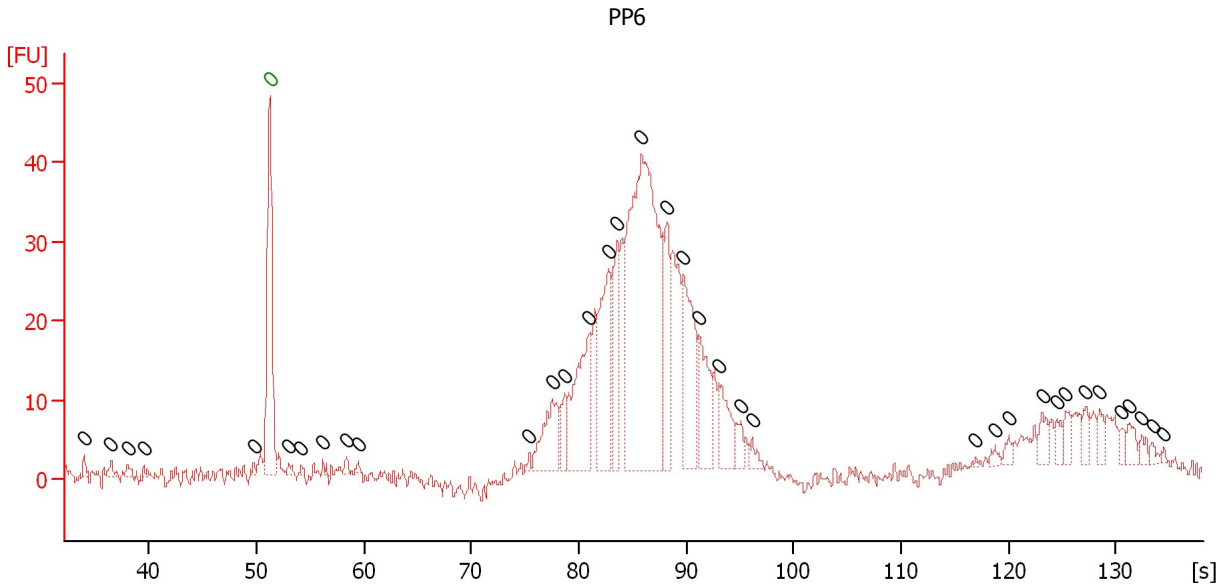
Peak table for sample 5 : PP5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.00	0	0.00	0.0	
2	81.50	0	0.00	0.0	
3	86.00	0	0.00	0.0	
4	87.05	0	0.00	0.0	
5	88.65	0	0.00	0.0	
6	90.00	0	0.00	0.0	
7	92.65	0	0.00	0.0	
8	93.90	0	0.00	0.0	
9	95.85	0	0.00	0.0	
10	96.50	0	0.00	0.0	
11	97.60	0	0.00	0.0	
12	98.50	0	0.00	0.0	
13	99.50	0	0.00	0.0	
14	100.55	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 6 : PP6

Height Threshold [FU] : 1

Overall Results for sample 6 : PP6

Number of peaks found: 0 Noise: 1.1

Peak table for sample 6 : PP6

Pea k	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33.95	0	0.00	0.0	
2	36.45	0	0.00	0.0	
3	38.00	0	0.00	0.0	
4	39.50	0	0.00	0.0	
5	49.75	0	0.00	0.0	
6	51.20	0	0.00	0.0	Lower Marker
7	53.00	0	0.00	0.0	
8	54.15	0	0.00	0.0	
9	56.15	0	0.00	0.0	
10	58.40	0	0.00	0.0	
11	59.50	0	0.00	0.0	
12	75.40	0	0.00	0.0	
13	77.50	0	0.00	0.0	
14	78.65	0	0.00	0.0	
15	81.00	0	0.00	0.0	
16	82.80	0	0.00	0.0	
17	83.60	0	0.00	0.0	
18	85.85	0	0.00	0.0	
19	88.20	0	0.00	0.0	
20	89.70	0	0.00	0.0	
21	91.15	0	0.00	0.0	
22	93.05	0	0.00	0.0	
23	95.05	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 :

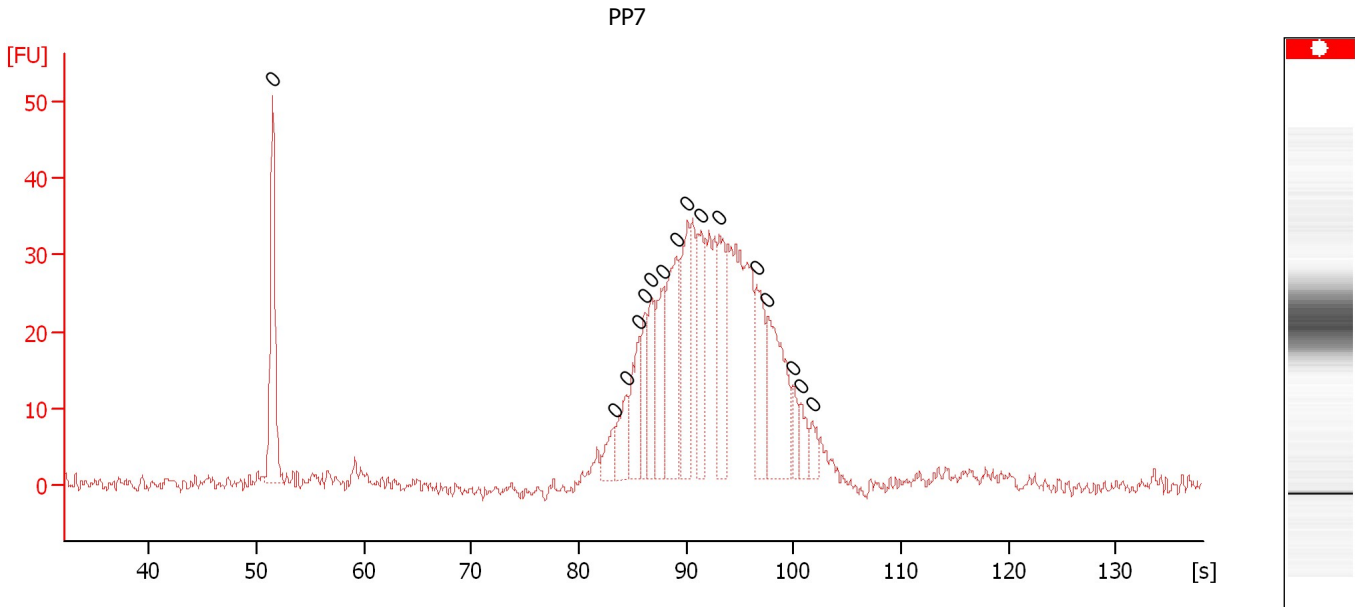
PP6

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
24	96.15	0	0.00	0.0	
25	116.95	0	0.00	0.0	
26	118.80	0	0.00	0.0	
27	120.05	0	0.00	0.0	
28	123.15	0	0.00	0.0	
29	124.50	0	0.00	0.0	
30	125.30	0	0.00	0.0	
31	127.15	0	0.00	0.0	
32	128.50	0	0.00	0.0	
33	130.55	0	0.00	0.0	
34	131.30	0	0.00	0.0	
35	132.40	0	0.00	0.0	
36	133.40	0	0.00	0.0	
37	134.40	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PP7

Number of peaks found: 0 Noise: 1.1

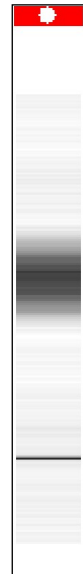
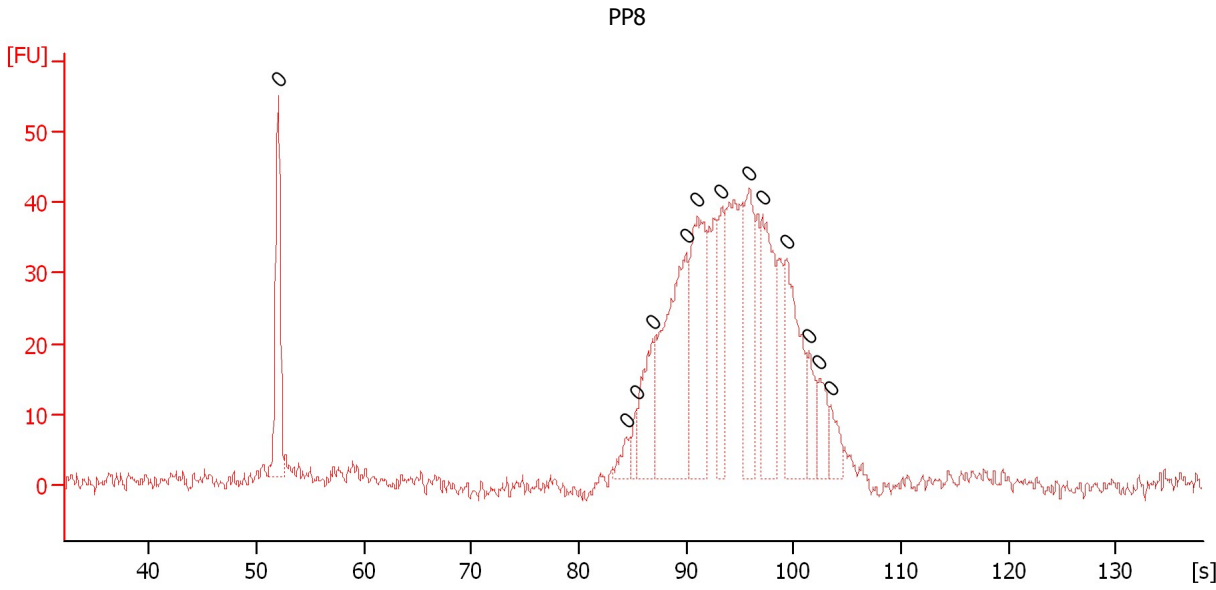
Peak table for sample 7 : PP7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.50	0	0.00	0.0	
2	83.35	0	0.00	0.0	
3	84.45	0	0.00	0.0	
4	85.60	0	0.00	0.0	
5	86.20	0	0.00	0.0	
6	86.70	0	0.00	0.0	
7	87.85	0	0.00	0.0	
8	89.05	0	0.00	0.0	
9	90.15	0	0.00	0.0	
10	91.35	0	0.00	0.0	
11	93.05	0	0.00	0.0	
12	96.55	0	0.00	0.0	
13	97.60	0	0.00	0.0	
14	99.90	0	0.00	0.0	
15	100.70	0	0.00	0.0	
16	101.75	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PP8

Number of peaks found: 0 Noise: 1.2

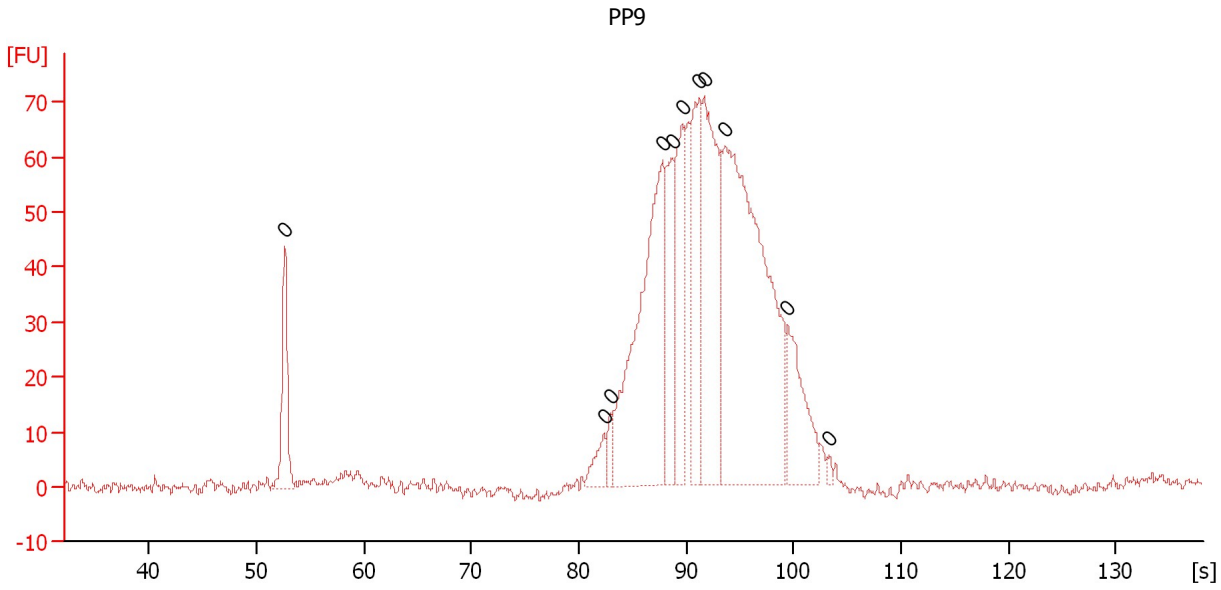
Peak table for sample 8 : PP8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	52.00	0	0.00	0.0	
2	84.40	0	0.00	0.0	
3	85.35	0	0.00	0.0	
4	86.85	0	0.00	0.0	
5	90.05	0	0.00	0.0	
6	91.05	0	0.00	0.0	
7	93.30	0	0.00	0.0	
8	95.85	0	0.00	0.0	
9	97.10	0	0.00	0.0	
10	99.35	0	0.00	0.0	
11	101.40	0	0.00	0.0	
12	102.45	0	0.00	0.0	
13	103.45	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PP9

Number of peaks found: 0 Noise: 1.1

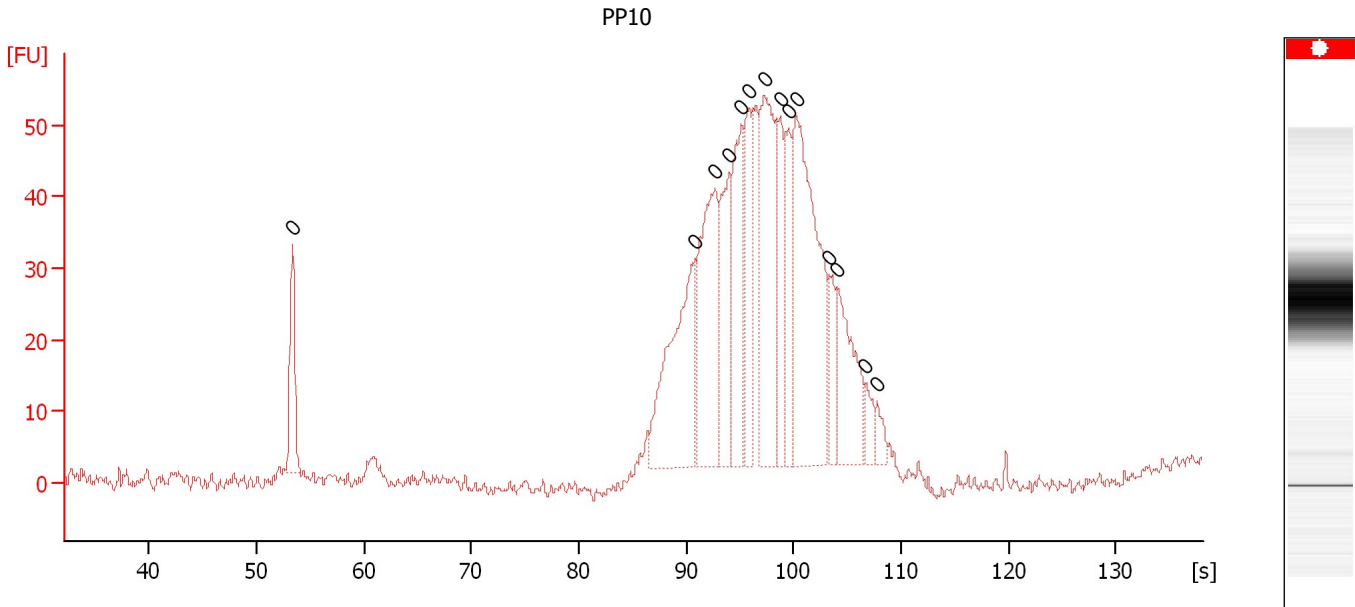
Peak table for sample 9 : PP9

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	52.65	0	0.00	0.0	
2	82.35	0	0.00	0.0	
3	82.95	0	0.00	0.0	
4	87.80	0	0.00	0.0	
5	88.70	0	0.00	0.0	
6	89.60	0	0.00	0.0	
7	91.25	0	0.00	0.0	
8	91.65	0	0.00	0.0	
9	93.65	0	0.00	0.0	
10	99.45	0	0.00	0.0	
11	103.30	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
 Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : PP10

Number of peaks found: 0 Noise: 1.2

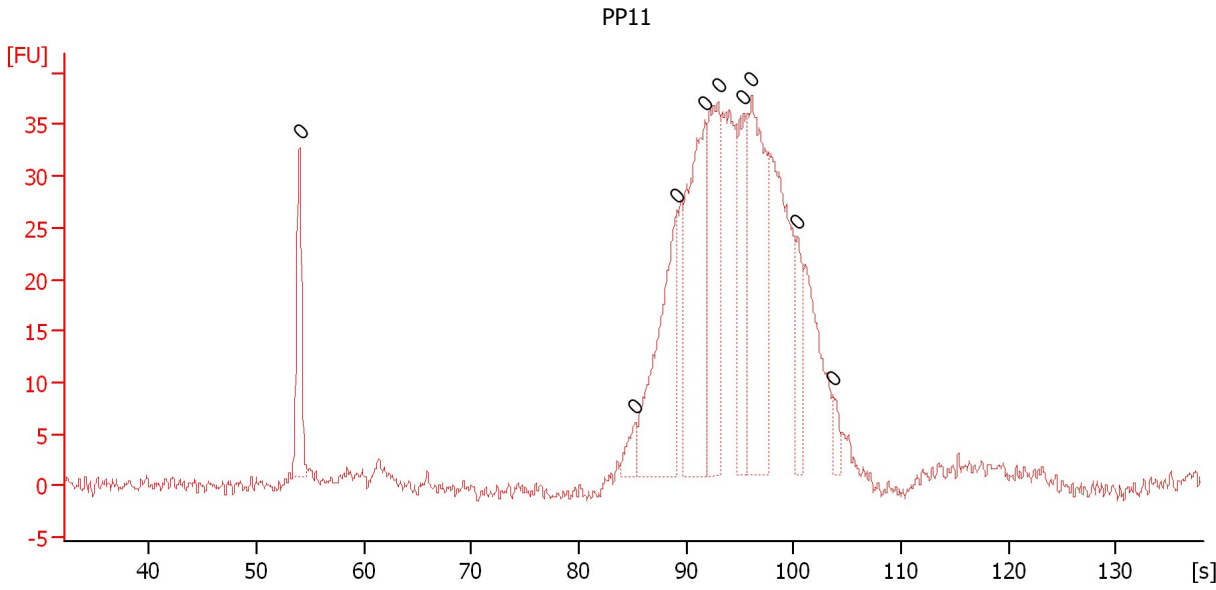
Peak table for sample 10 : PP10

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	53.35	0	0.00	0.0	
2	90.80	0	0.00	0.0	
3	92.70	0	0.00	0.0	
4	94.05	0	0.00	0.0	
5	95.10	0	0.00	0.0	
6	95.80	0	0.00	0.0	
7	97.25	0	0.00	0.0	
8	98.75	0	0.00	0.0	
9	99.55	0	0.00	0.0	
10	100.25	0	0.00	0.0	
11	103.30	0	0.00	0.0	
12	104.00	0	0.00	0.0	
13	106.70	0	0.00	0.0	
14	107.80	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
Modified: 2/3/2014 12:15:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : PP11

Number of peaks found: 0 Noise: 0.7

Peak table for sample 11 : PP11

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	54.00	0	0.00	0.0	
2	85.25	0	0.00	0.0	
3	89.10	0	0.00	0.0	
4	91.70	0	0.00	0.0	
5	92.95	0	0.00	0.0	
6	95.35	0	0.00	0.0	
7	96.10	0	0.00	0.0	
8	100.35	0	0.00	0.0	
9	103.65	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-03\2014-02-03_001.xad

Created: 2/3/2014 11:34:01 AM
Modified: 2/3/2014 12:15:57 PM

Gel Image

