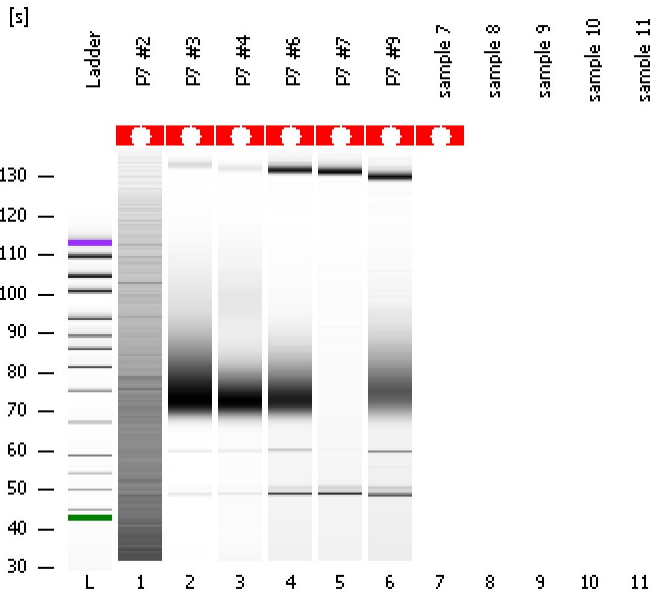


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

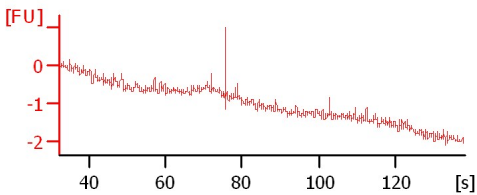
Assay Information:

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

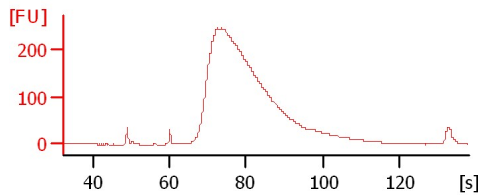
Chip Information:

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

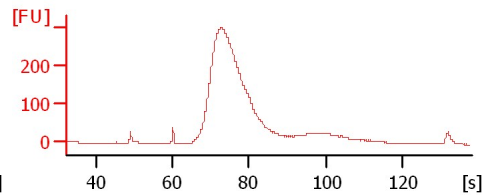
**P7 #2**



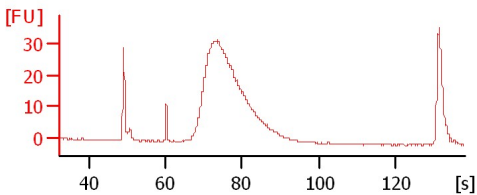
**P7 #3**



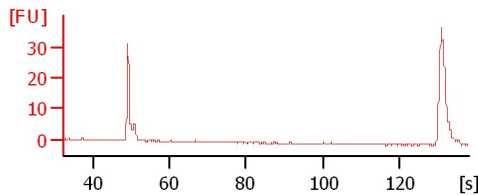
**P7 #4**



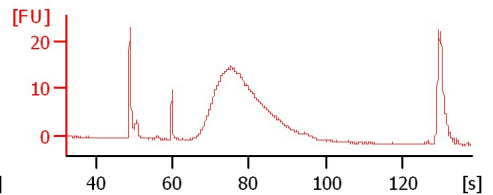
**P7 #6**



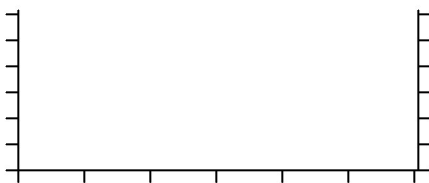
**P7 #7**



**P7 #9**



**sample 7**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P7 #2		<input type="checkbox"/>	✓			
P7 #3		<input type="checkbox"/>	✓			
P7 #4		<input type="checkbox"/>	✓			
P7 #6		<input type="checkbox"/>	✓			
P7 #7		<input type="checkbox"/>	✓			
P7 #9		<input type="checkbox"/>	✓			
sample 7		<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:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
 Modified: 5/1/2015 1:59:49 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

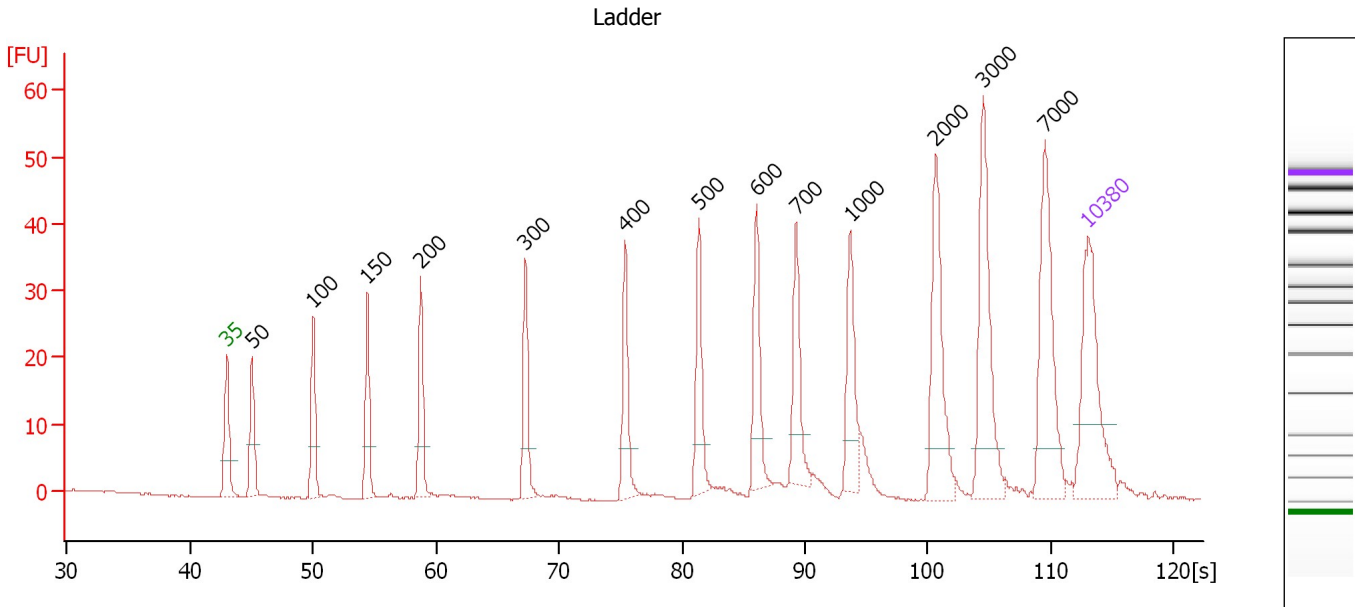
**Ladder**

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:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

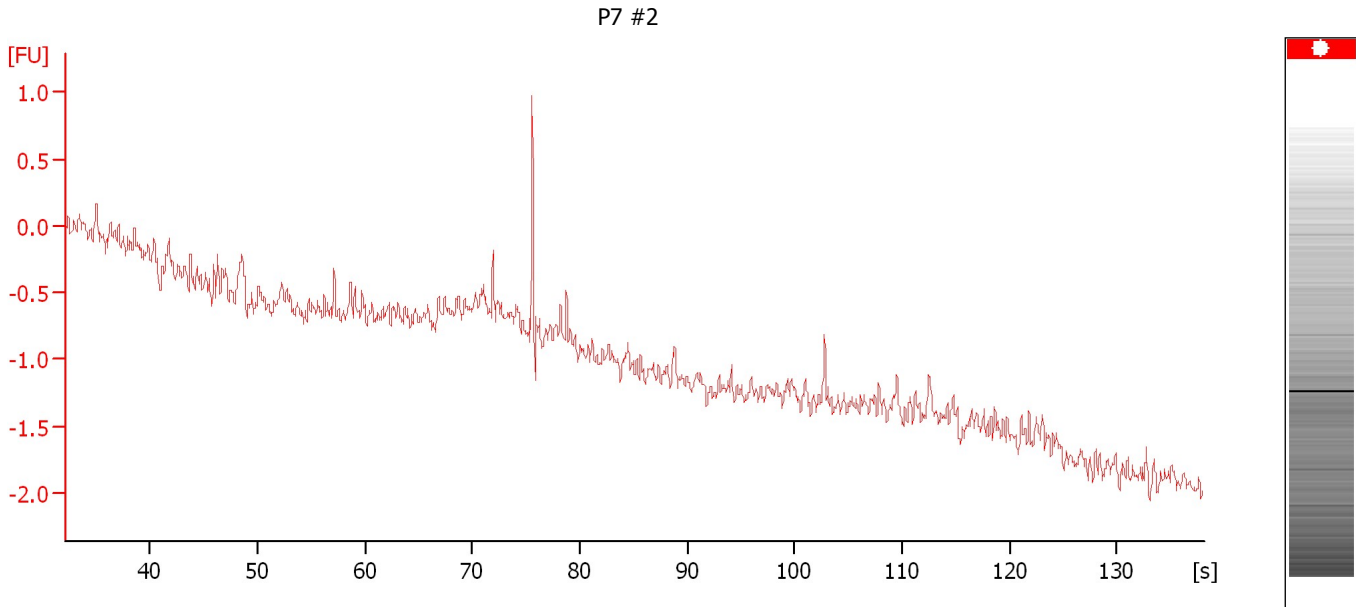
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.05
3	100	150.00	2,272.7	Ladder Peak	50.03
4	150	150.00	1,515.2	Ladder Peak	54.43
5	200	150.00	1,136.4	Ladder Peak	58.80
6	300	150.00	757.6	Ladder Peak	67.31
7	400	150.00	568.2	Ladder Peak	75.38
8	500	150.00	454.5	Ladder Peak	81.40
9	600	150.00	378.8	Ladder Peak	86.07
10	700	150.00	324.7	Ladder Peak	89.30
11	1,000	150.00	227.3	Ladder Peak	93.67
12	2,000	150.00	113.6	Ladder Peak	100.65
13	3,000	150.00	75.8	Ladder Peak	104.49
14	7,000	150.00	32.5	Ladder Peak	109.51
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Electropherogram Summary Continued ...**



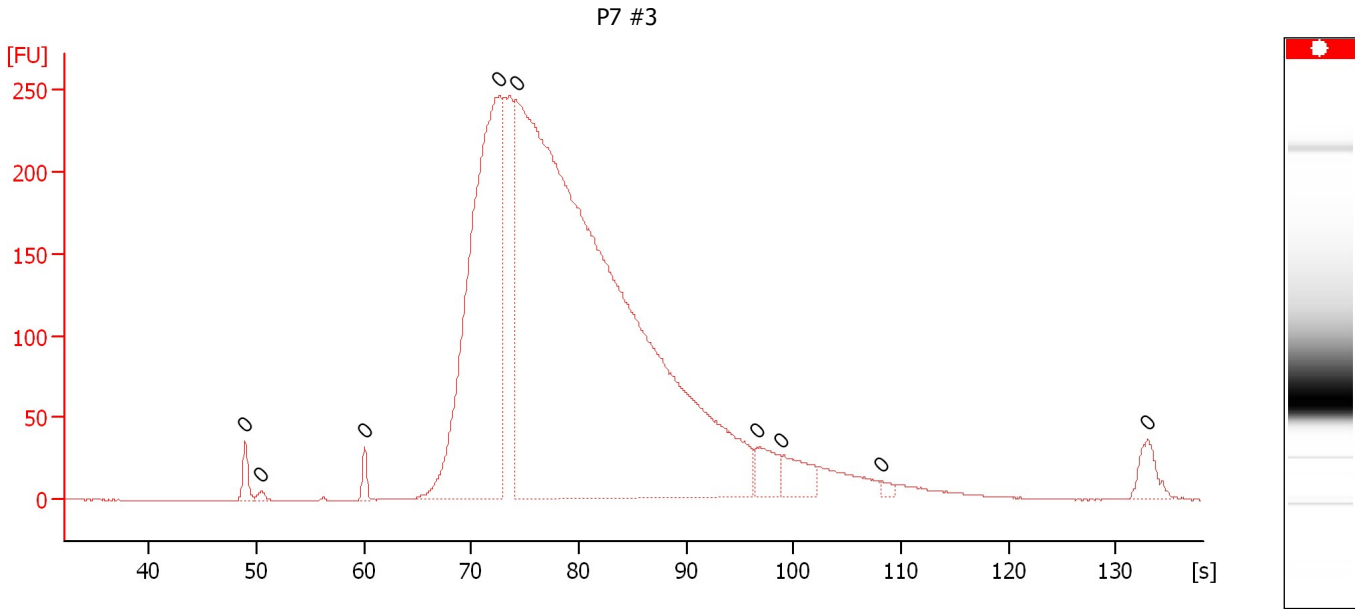
**Overall Results for sample 1 : P7 #2**

Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : P7 #3**

Number of peaks found: 0                      Noise: 0.1

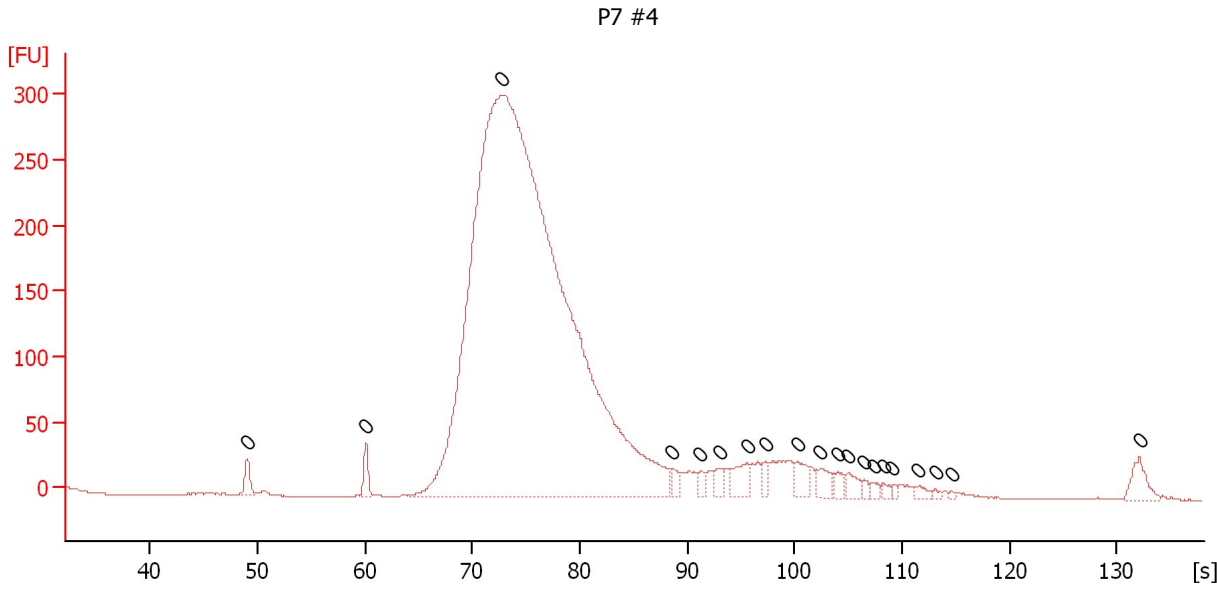
**Peak table for sample 2 : P7 #3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		48.95
2	0	0.00	0.0		50.45
3	0	0.00	0.0		60.05
4	0	0.00	0.0		72.60
5	0	0.00	0.0		74.15
6	0	0.00	0.0		96.60
7	0	0.00	0.0		98.85
8	0	0.00	0.0		108.20
9	0	0.00	0.0		133.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : P7 #4**

Number of peaks found: 0                      Noise: 0.3

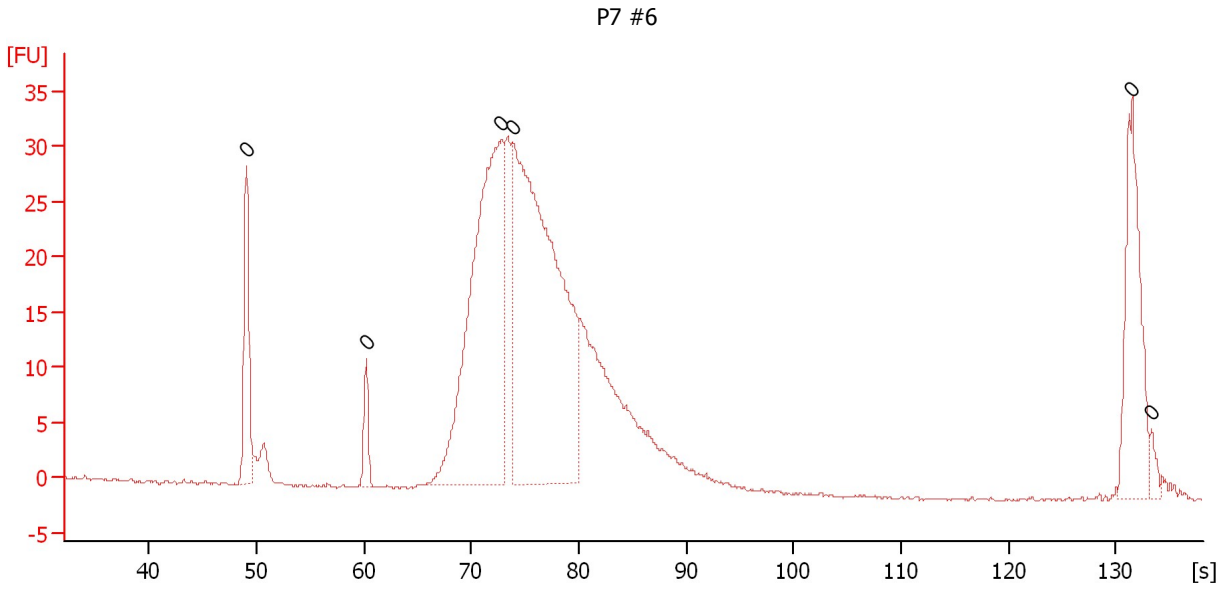
**Peak table for sample 3 : P7 #4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.05
2	0	0.00	0.0		60.10
3	0	0.00	0.0		72.80
4	0	0.00	0.0		88.60
5	0	0.00	0.0		91.20
6	0	0.00	0.0		93.00
7	0	0.00	0.0		95.60
8	0	0.00	0.0		97.30
9	0	0.00	0.0		100.25
10	0	0.00	0.0		102.40
11	0	0.00	0.0		104.05
12	0	0.00	0.0		105.00
13	0	0.00	0.0		106.45
14	0	0.00	0.0		107.45
15	0	0.00	0.0		108.25
16	0	0.00	0.0		109.15
17	0	0.00	0.0		111.55
18	0	0.00	0.0		113.10
19	0	0.00	0.0		114.60
20	0	0.00	0.0		132.10

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : P7 #6**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 4 : P7 #6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.05
2	0	0.00	0.0		60.20
3	0	0.00	0.0		72.80
4	0	0.00	0.0		73.90
5	0	0.00	0.0		131.45
6	0	0.00	0.0		133.30

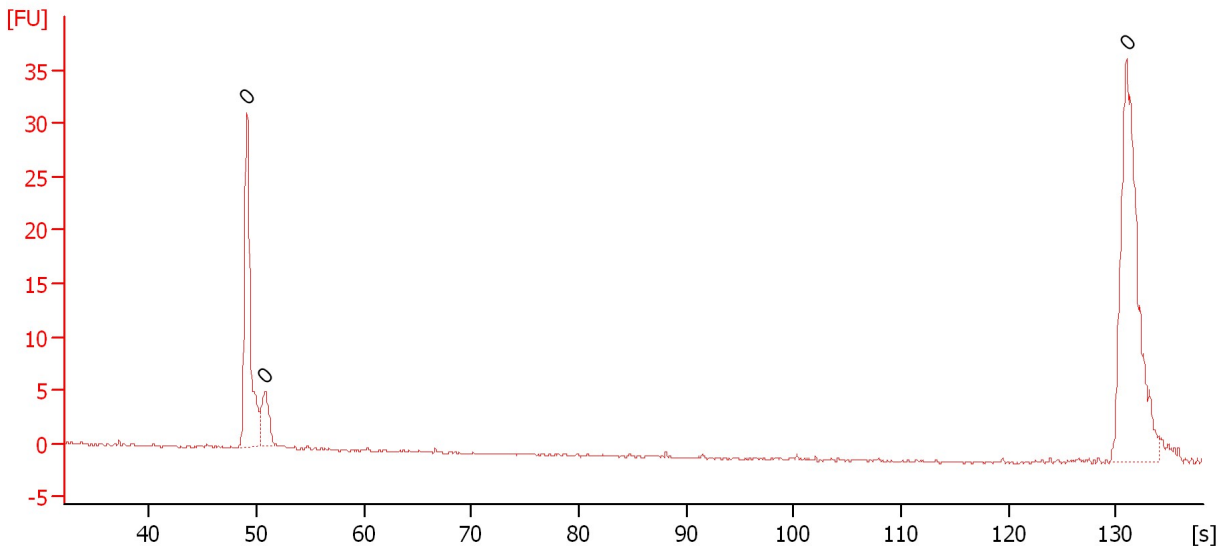


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Electropherogram Summary Continued ...**

P7 #7



**Overall Results for sample 5 : P7 #7**

Number of peaks found: 0                      Noise: 0.1

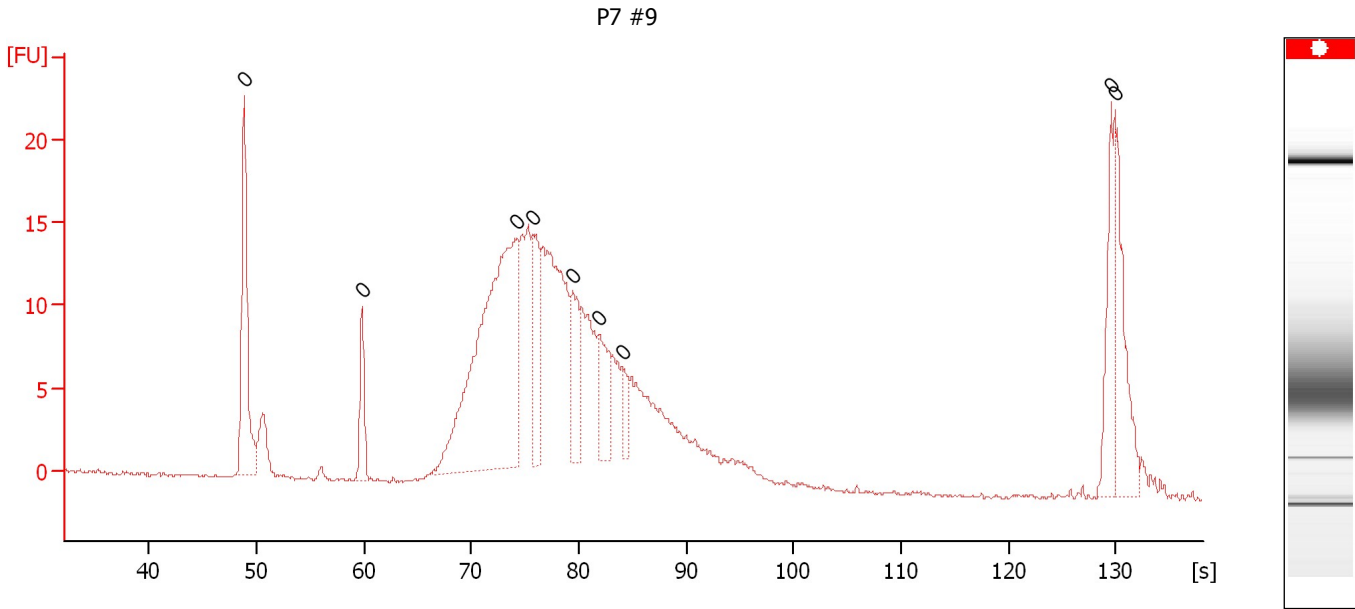
**Peak table for sample 5 : P7 #7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.10
2	0	0.00	0.0		50.80
3	0	0.00	0.0		131.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : P7 #9**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 6 : P7 #9**

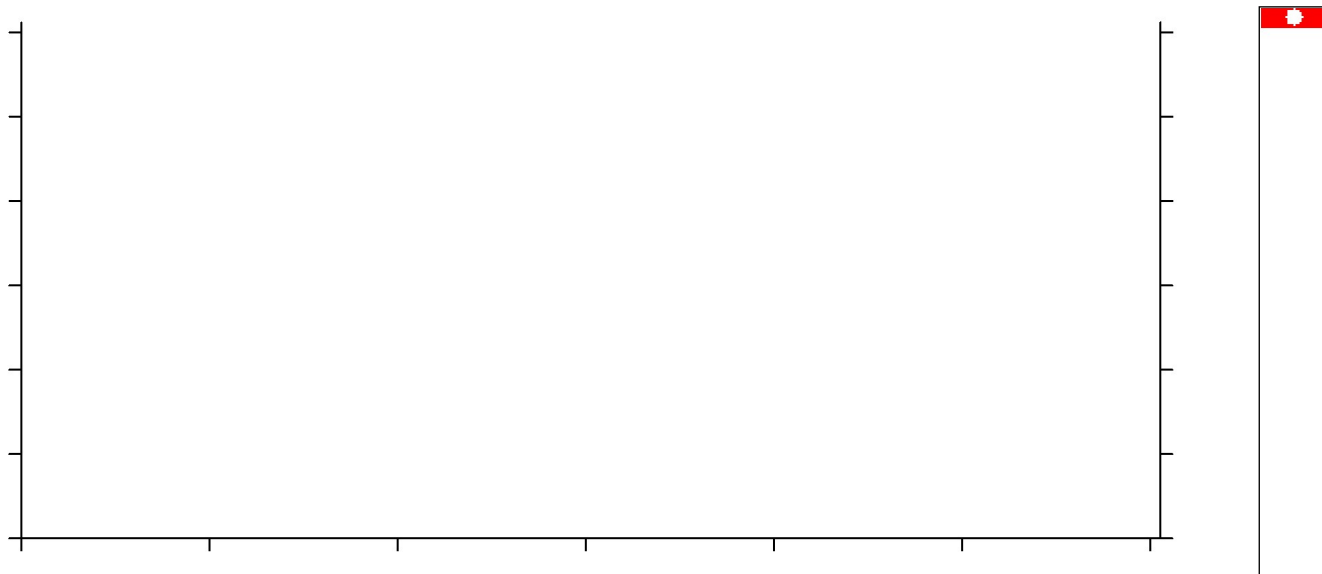
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		48.85
2	0	0.00	0.0		59.85
3	0	0.00	0.0		74.20
4	0	0.00	0.0		75.70
5	0	0.00	0.0		79.40
6	0	0.00	0.0		81.90
7	0	0.00	0.0		84.05
8	0	0.00	0.0		129.55
9	0	0.00	0.0		129.95

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Electropherogram Summary Continued ...**

sample 7



**Setpoint Deviations for sample 7 : sample 7**

End Analysis Time Range [s] : 4.7

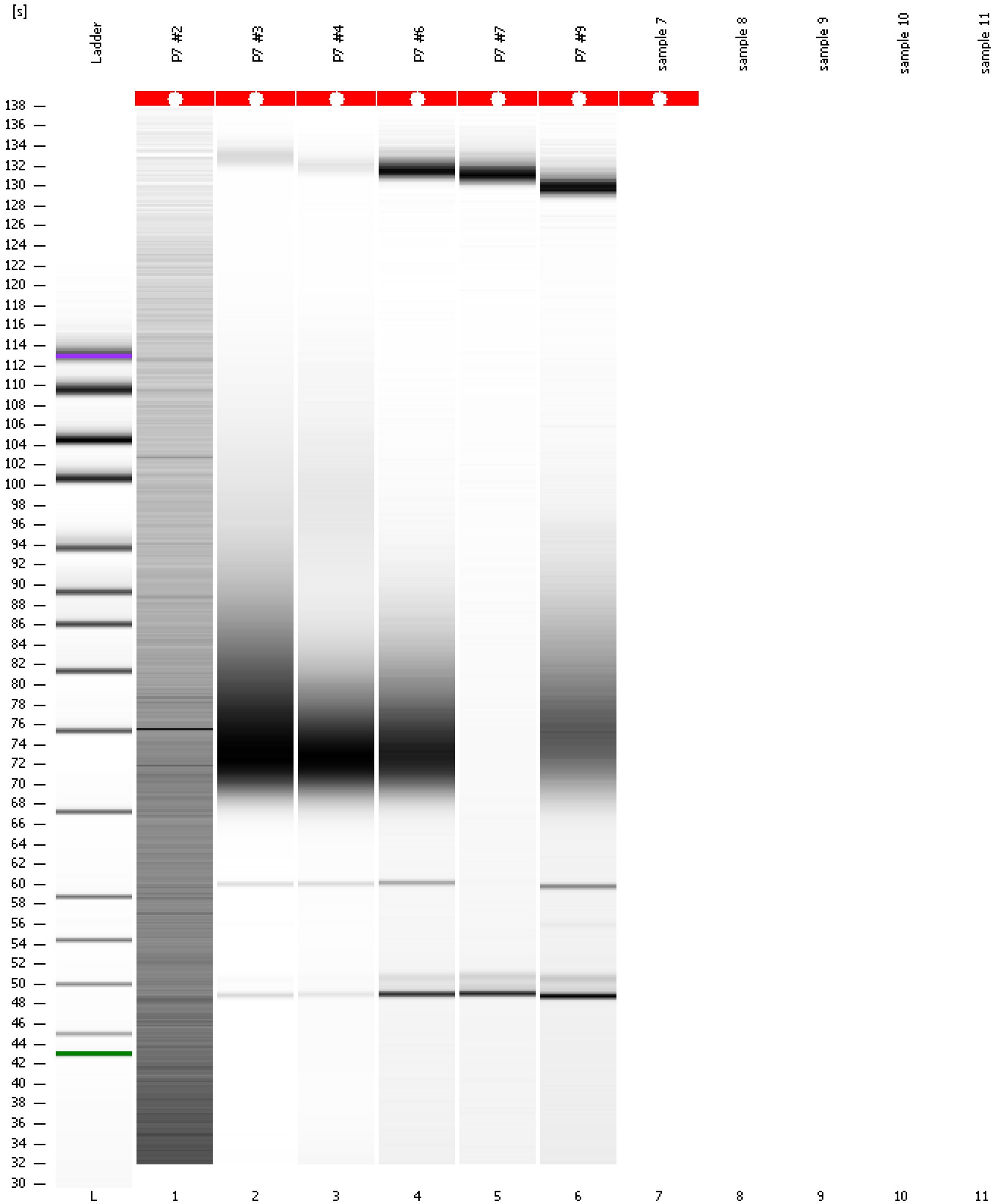
**Overall Results for sample 7 : sample 7**

Noise: 0.2

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01\_005.xad

Created: 5/1/2015 1:31:23 PM  
Modified: 5/1/2015 1:59:49 PM

**Invalid Samples**

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.