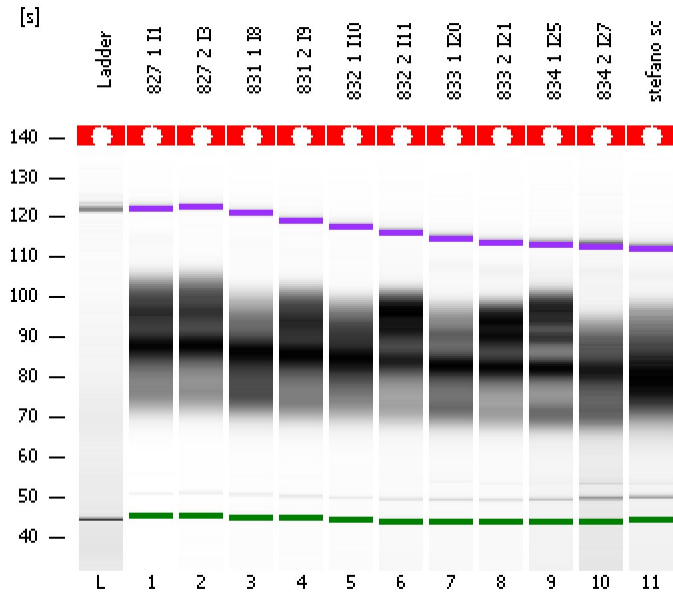


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
Modified: 7/11/2014 12:06:36 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

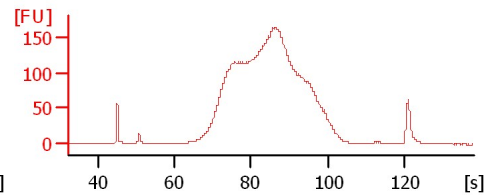
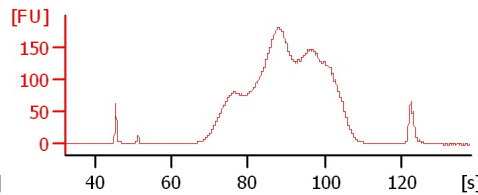
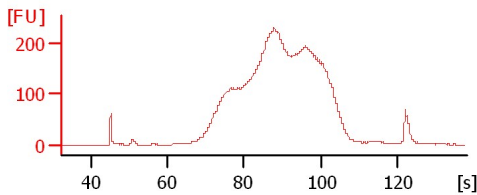
Chip Information:

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

827 1 I1

827 2 I3

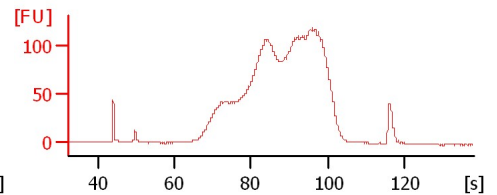
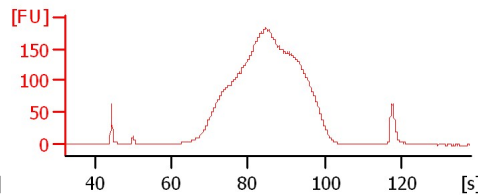
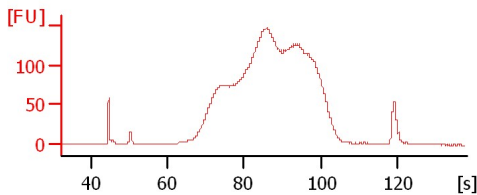
831 1 I8



831 2 I9

832 1 I10

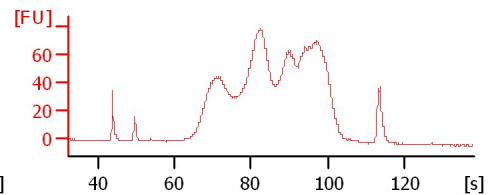
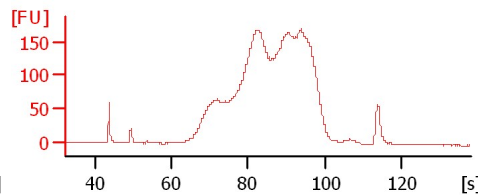
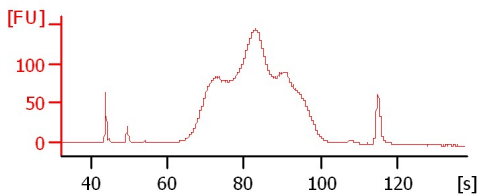
832 2 I11



833 1 I20

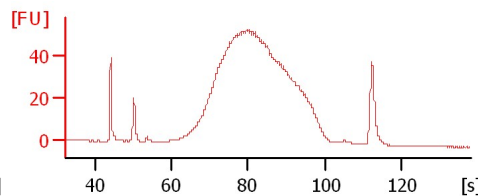
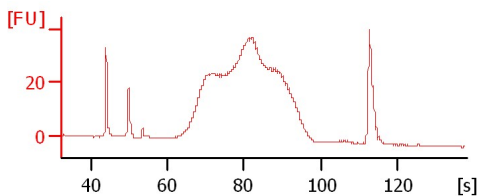
833 2 I21

834 1 I25



834 2 I27

stefano sc



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
827 1 I1		<input type="checkbox"/>	✓			
827 2 I3		<input type="checkbox"/>	✓			
831 1 I8		<input type="checkbox"/>	✓			
831 2 I9		<input type="checkbox"/>	✓			
832 1 I10		<input type="checkbox"/>	✓			
832 2 I11		<input type="checkbox"/>	✓			
833 1 I20		<input type="checkbox"/>	✓			
833 2 I21		<input type="checkbox"/>	✓			
834 1 I25		<input type="checkbox"/>	✓			
834 2 I27		<input type="checkbox"/>	✓			
stefano sc		<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\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
Modified: 7/11/2014 12:06:36 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**

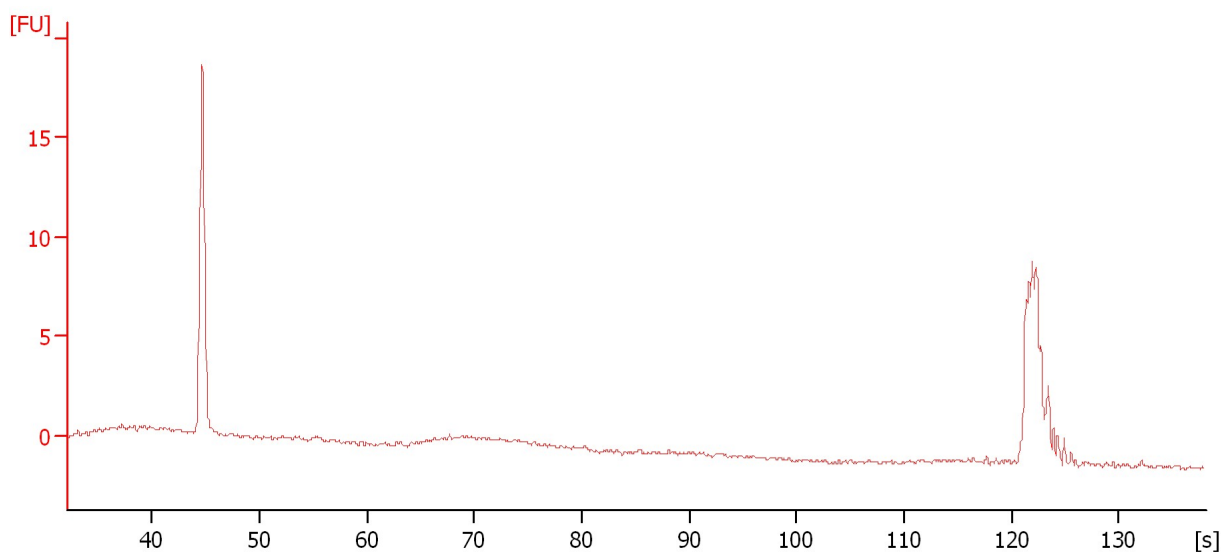
Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
Modified: 7/11/2014 12:06:36 PM

### Electropherogram Summary

Ladder



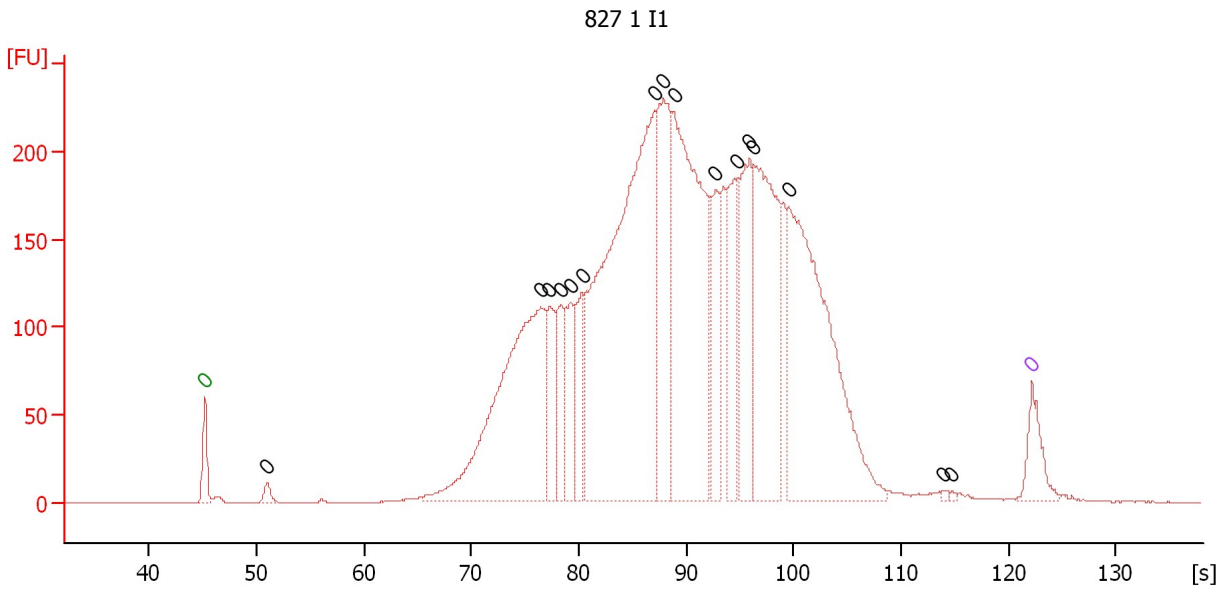
### Overall Results for Ladder

Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 827 1 I1**

Number of peaks found: 0                      Noise: 0.2

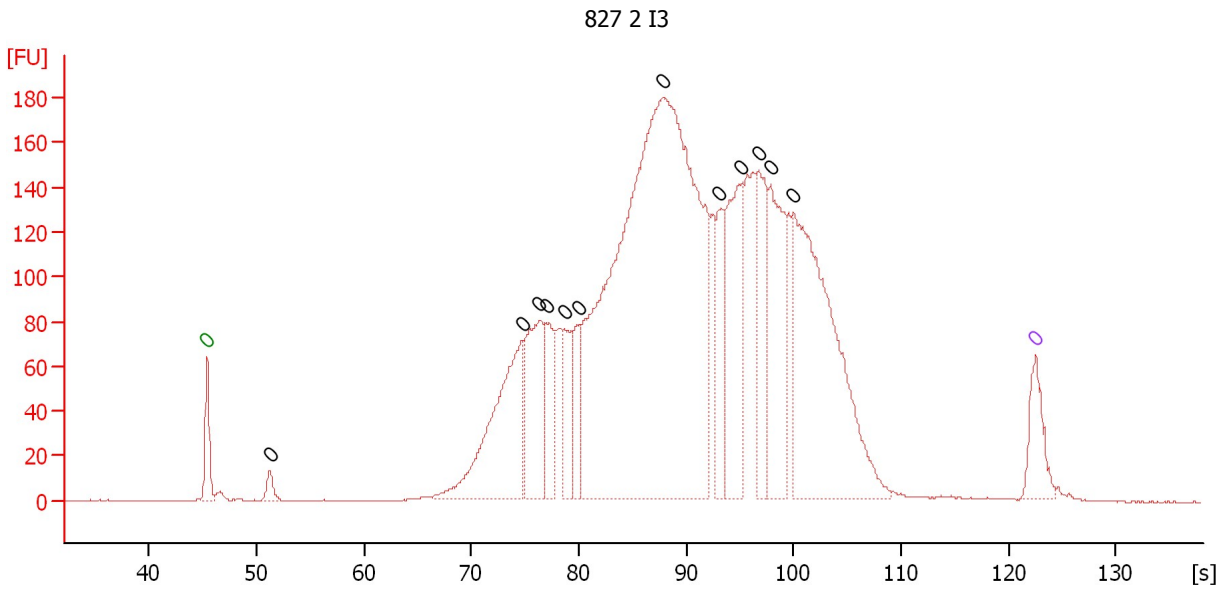
**Peak table for sample 1 : 827 1 I1**

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	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 827 2 I3**

Number of peaks found: 0                      Noise: 0.2

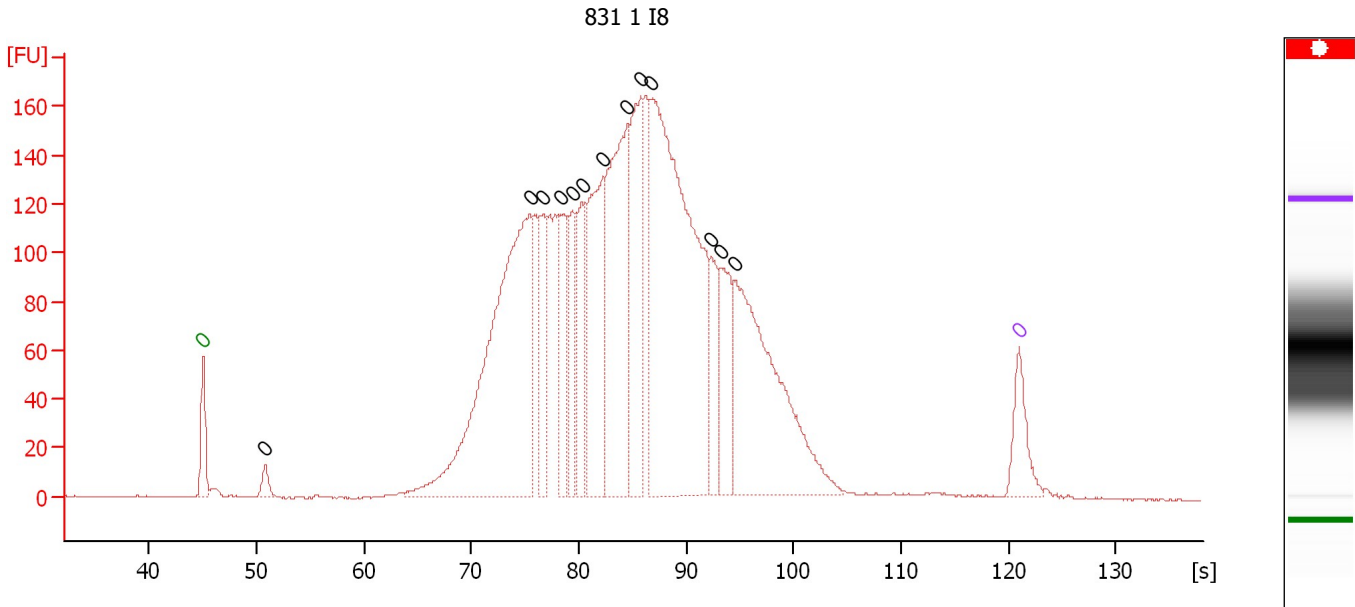
**Peak table for sample 2 : 827 2 I3**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 831 1 I8**

Number of peaks found: 0                      Noise: 0.2

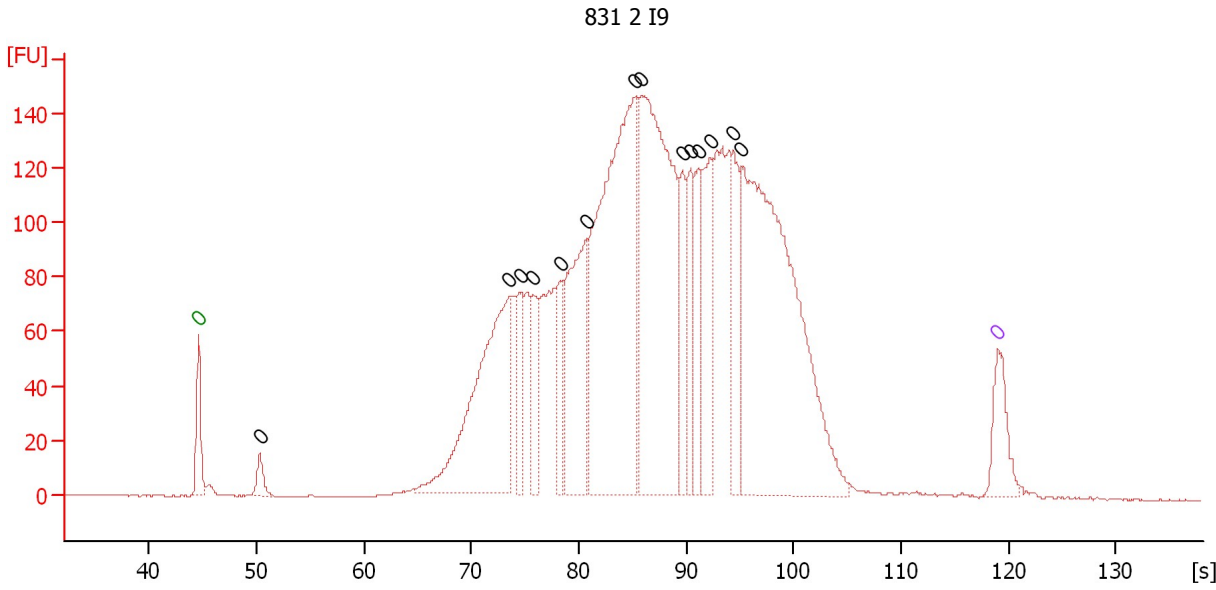
**Peak table for sample 3 : 831 1 I8**

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	
15	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 831 2 I9**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 4 : 831 2 I9**

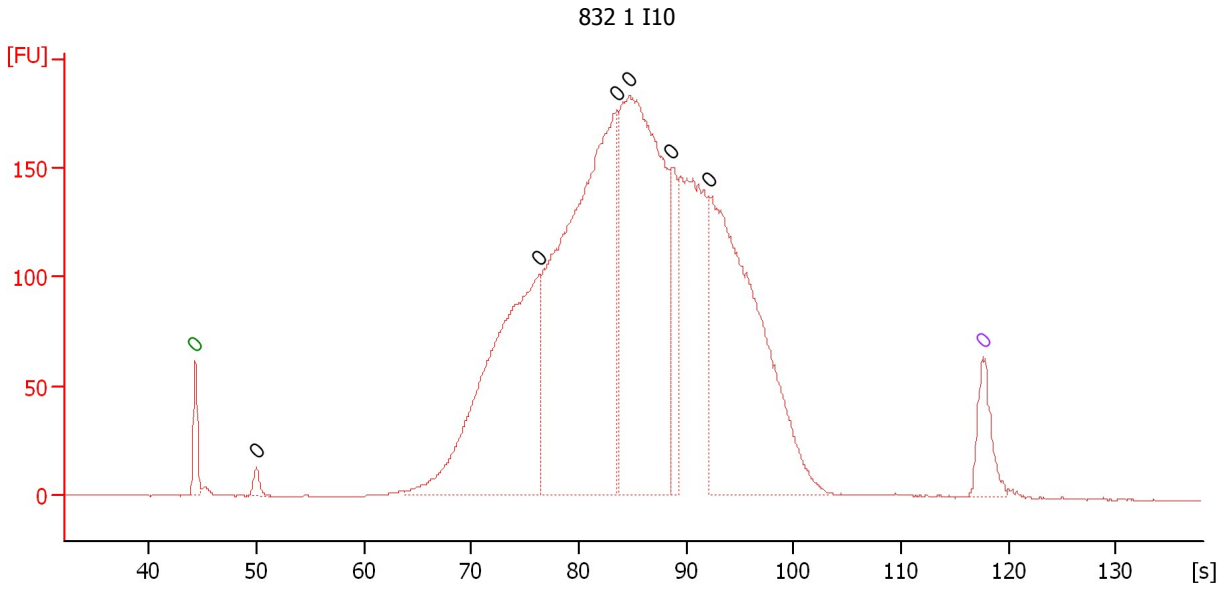
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0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



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 832 1 I10**

Number of peaks found: 0                      Noise: 0.3

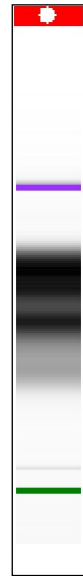
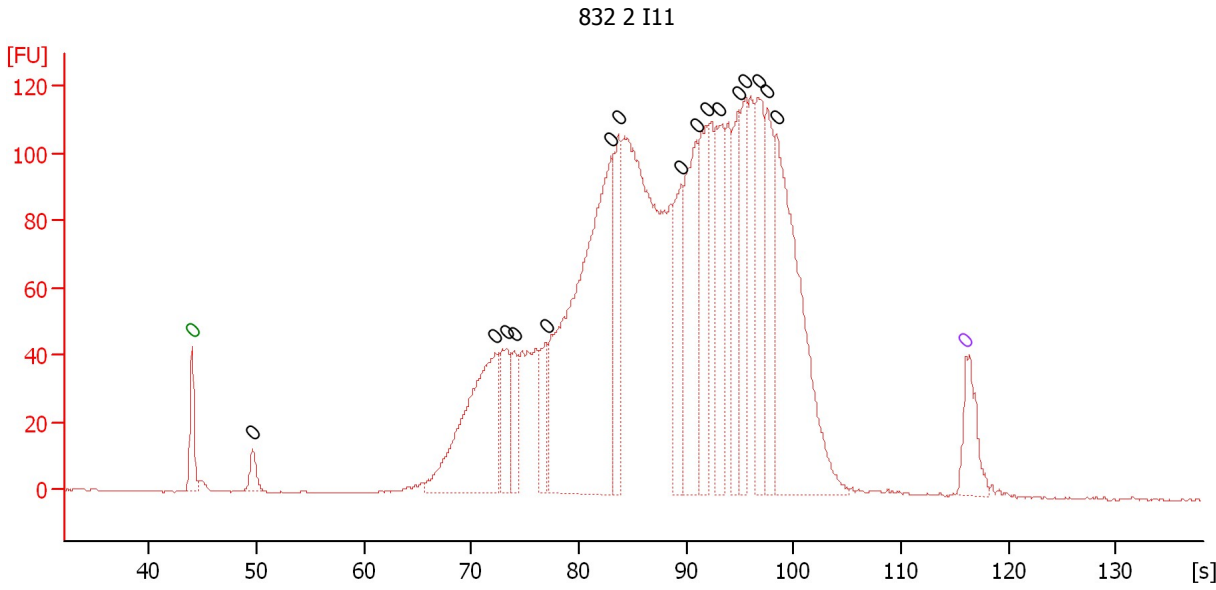
**Peak table for sample 5 : 832 1 I10**

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	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 832 2 I11**

Number of peaks found: 0                      Noise: 0.2

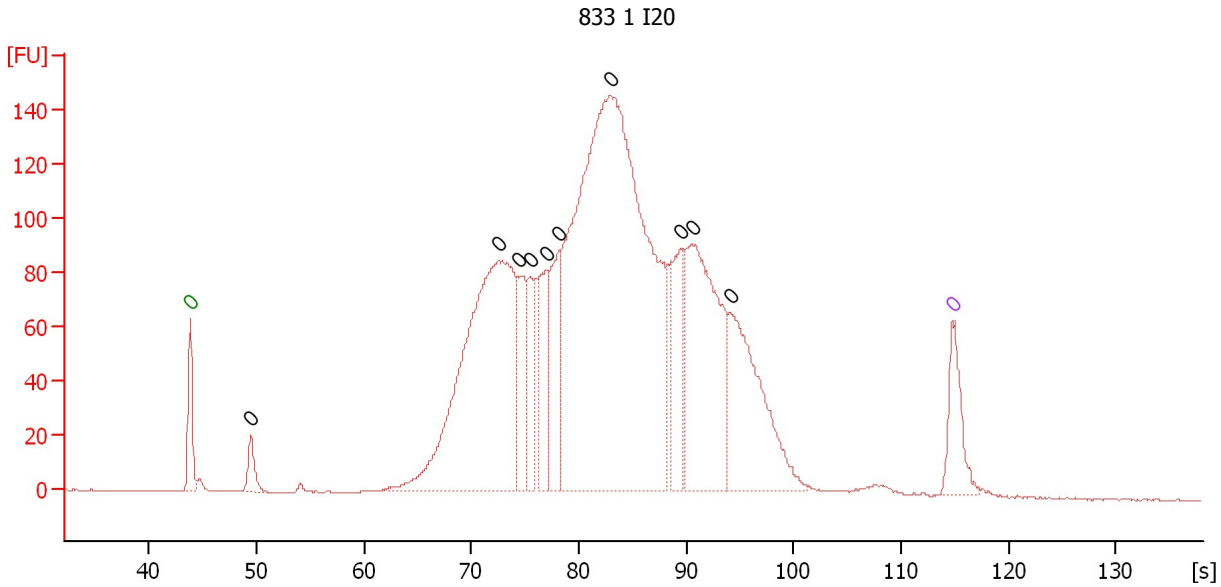
**Peak table for sample 6 : 832 2 I11**

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	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 833 1 I20**

Number of peaks found: 0                      Noise: 0.3

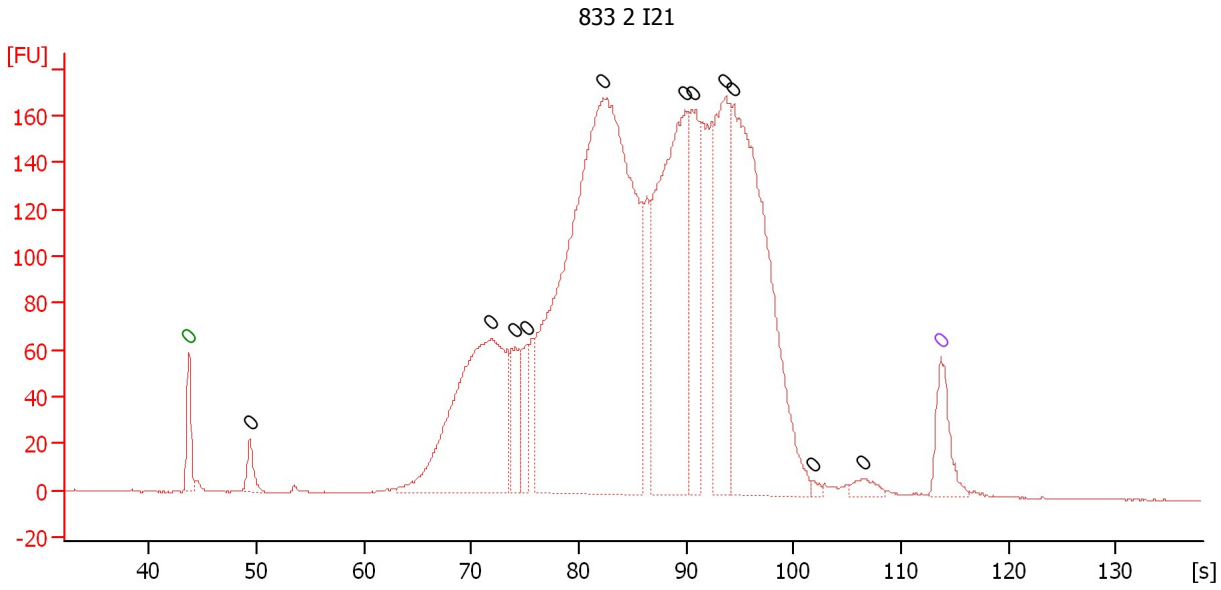
**Peak table for sample 7 : 833 1 I20**

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	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 833 2 I21**

Number of peaks found: 0                      Noise: 0.3

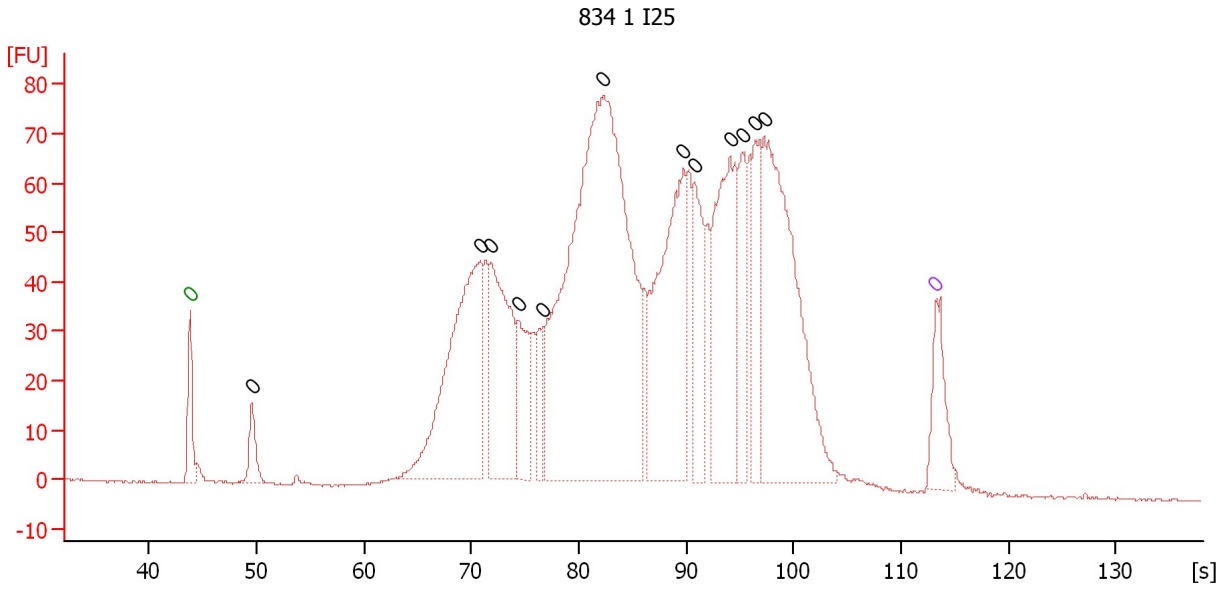
**Peak table for sample 8 : 833 2 I21**

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:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 834 1 I25**

Number of peaks found: 0      Noise: 0.2

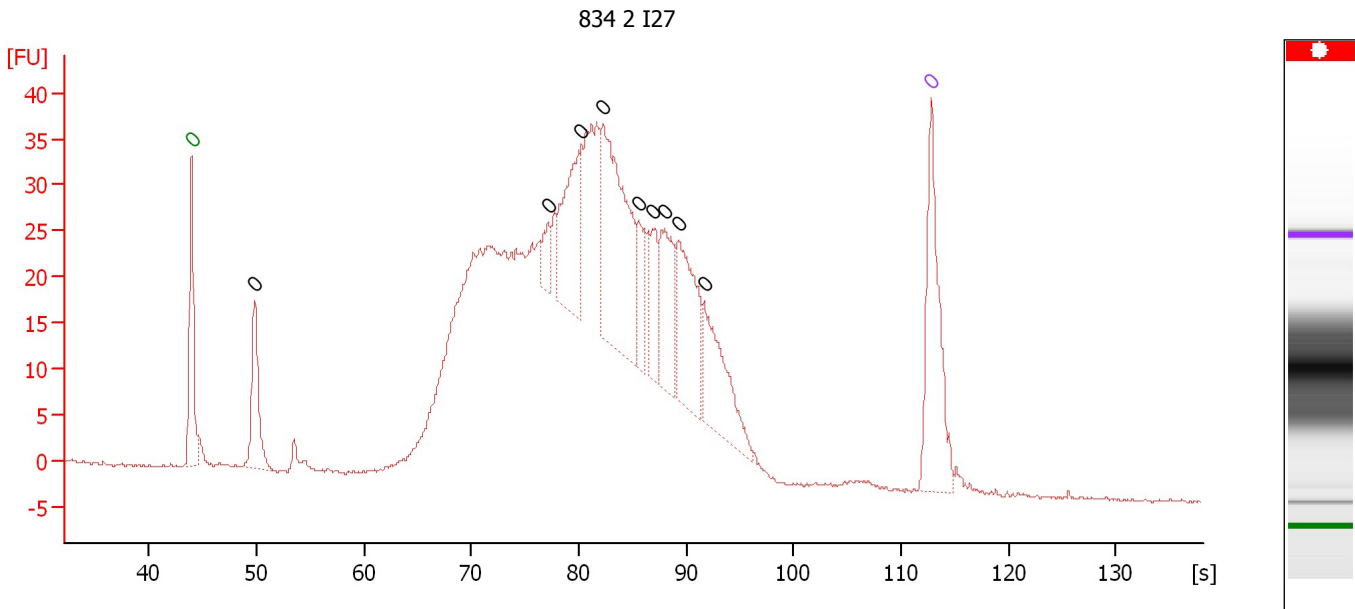
**Peak table for sample 9 : 834 1 I25**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 834 2 I27**

Number of peaks found: 0                      Noise: 0.2

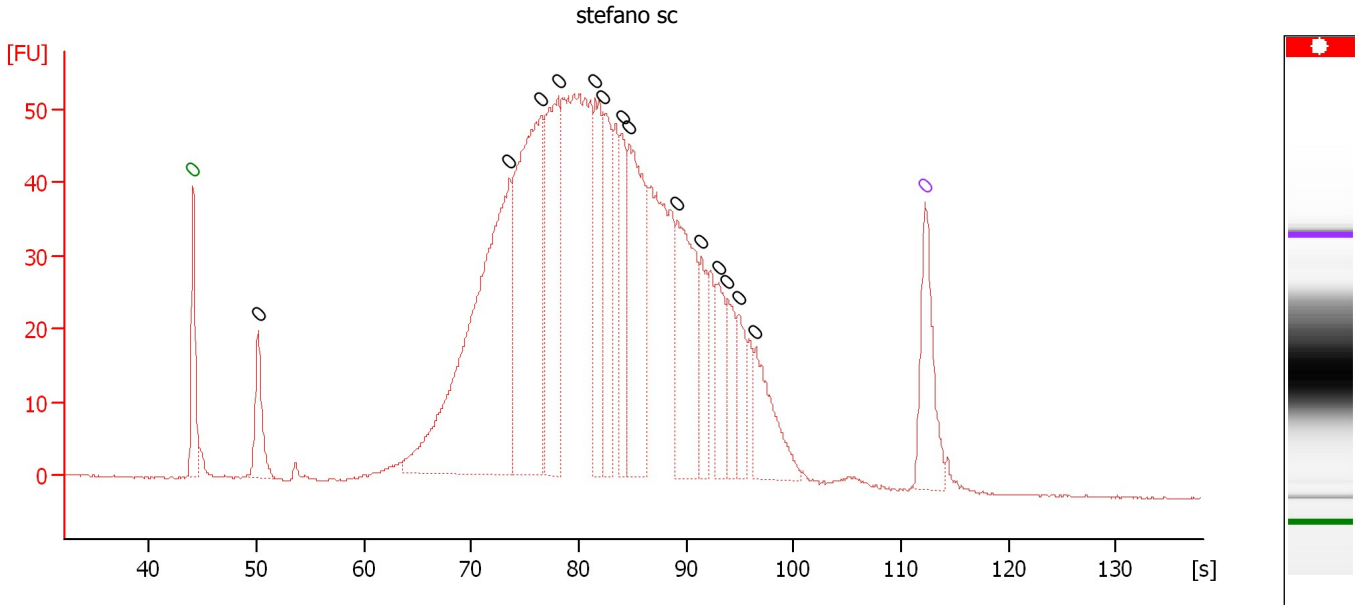
**Peak table for sample 10 : 834 2 I27**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : stefano sc**

Number of peaks found: 0      Noise: 0.1

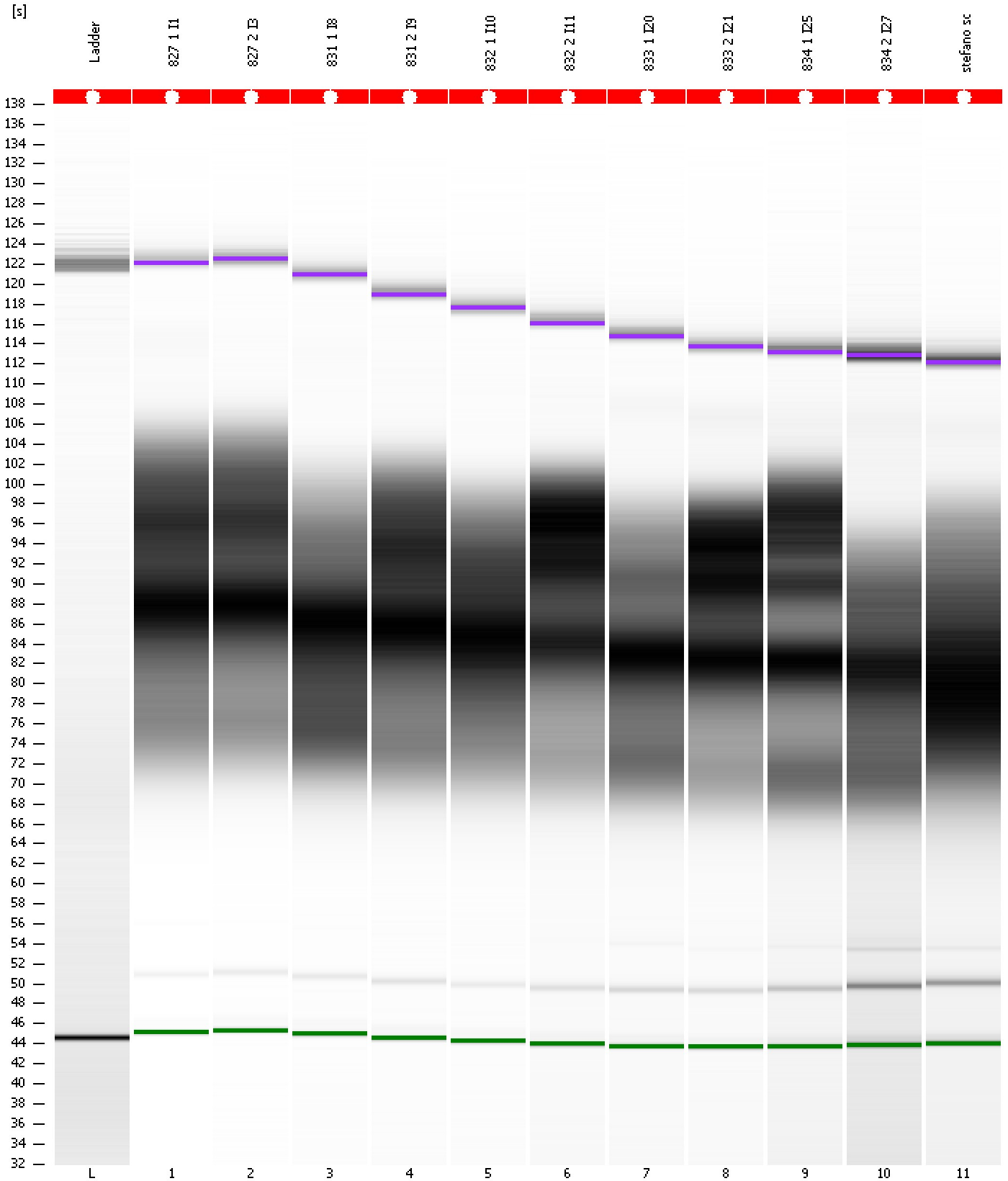
**Peak table for sample 11 : stefano sc**

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	
15	0	0.00	0.0	
16	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
Modified: 7/11/2014 12:06:36 PM

Gel Image





Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11\_002.xad

Created: 7/11/2014 11:20:03 AM  
 Modified: 7/11/2014 12:06:36 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/11/2014 12:01:20 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11_002.xad)		Instrument	Run		7/11/2014 11:20:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/11/2014 11:20:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/11/2014 11:20:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/11/2014 11:20:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/11/2014 11:20:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/11/2014 11:20:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/11/2014 11:20:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1