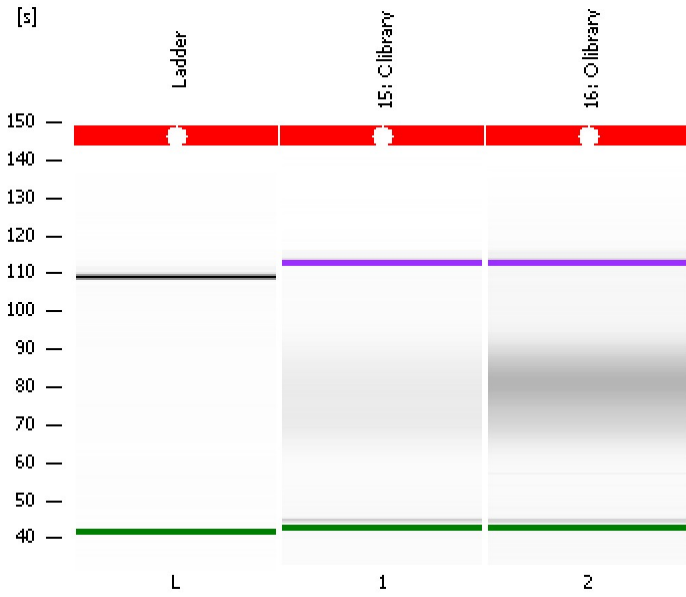


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
Modified: 10/31/2016 2:24:33 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

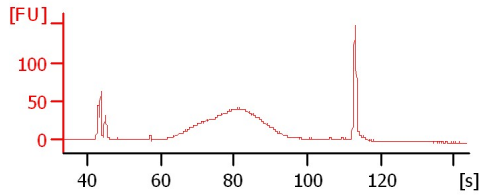
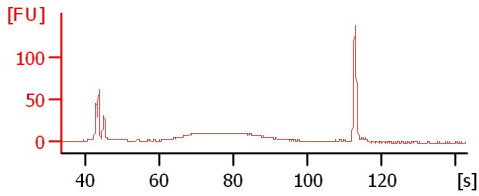
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

**15: C library**

**16: O library**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
 Modified: 10/31/2016 2:24:33 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
15: C library		<input type="checkbox"/>				
16: O library		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
Modified: 10/31/2016 2:24:33 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

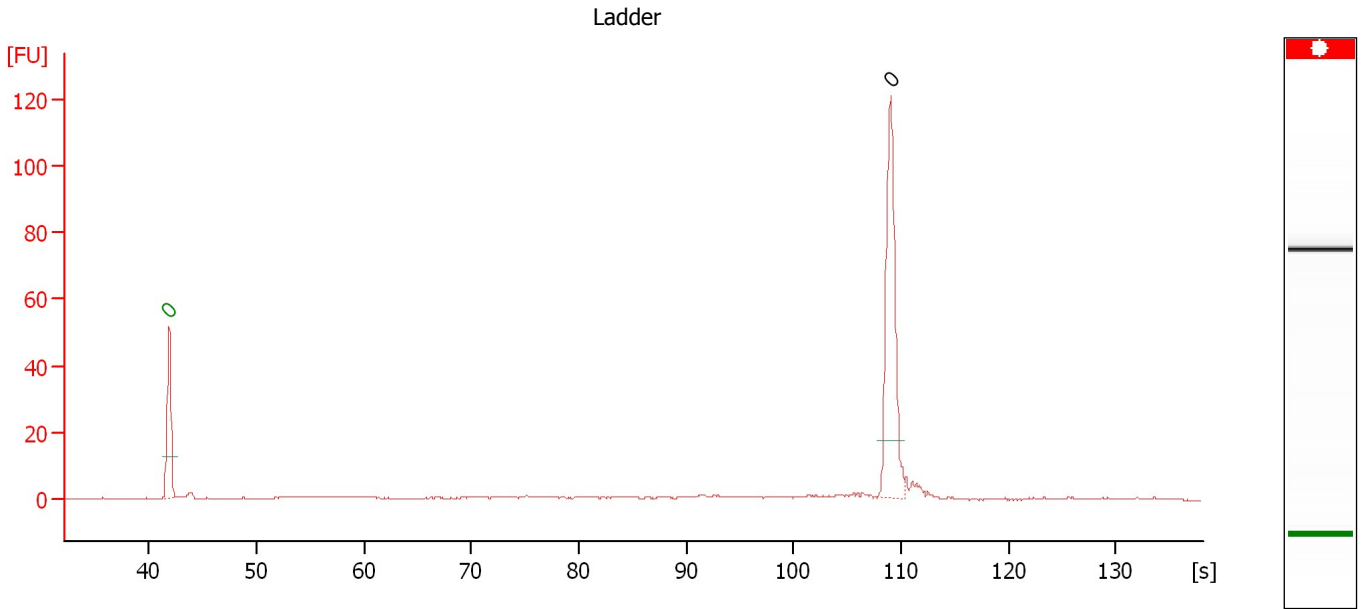
**Ladder**

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:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
 Modified: 10/31/2016 2:24:33 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

**Peak table for Ladder**

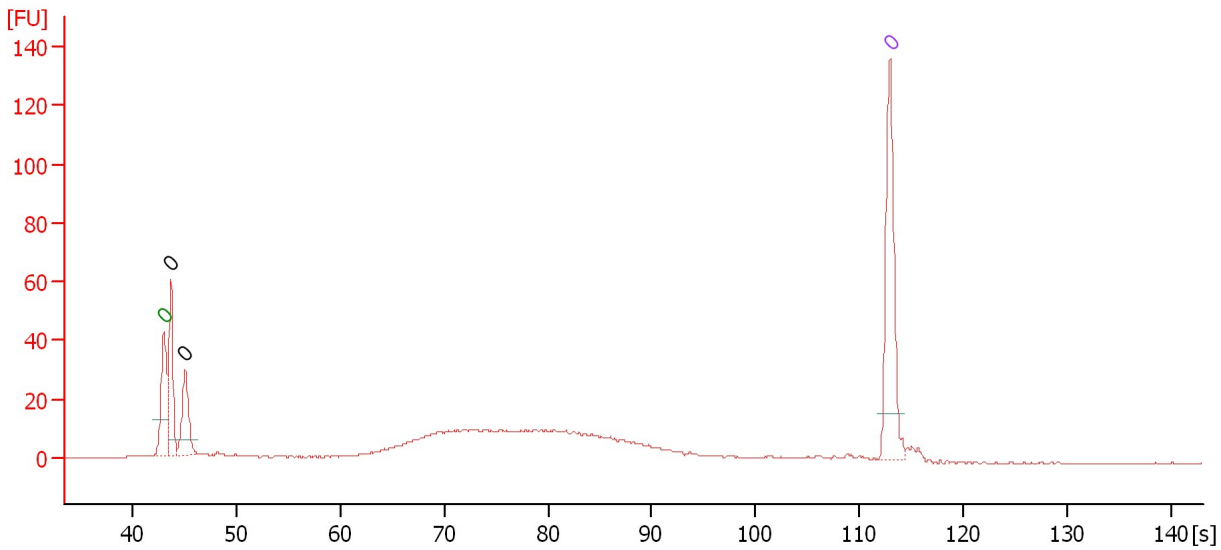
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	41.85
2	0	0.00	0.0	Ladder Peak	109.05

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
 Modified: 10/31/2016 2:24:33 PM

**Electropherogram Summary Continued ...**

15: C library



**Overall Results for sample 1 : 15: C library**

Number of peaks found: 2                      Noise: 0.2

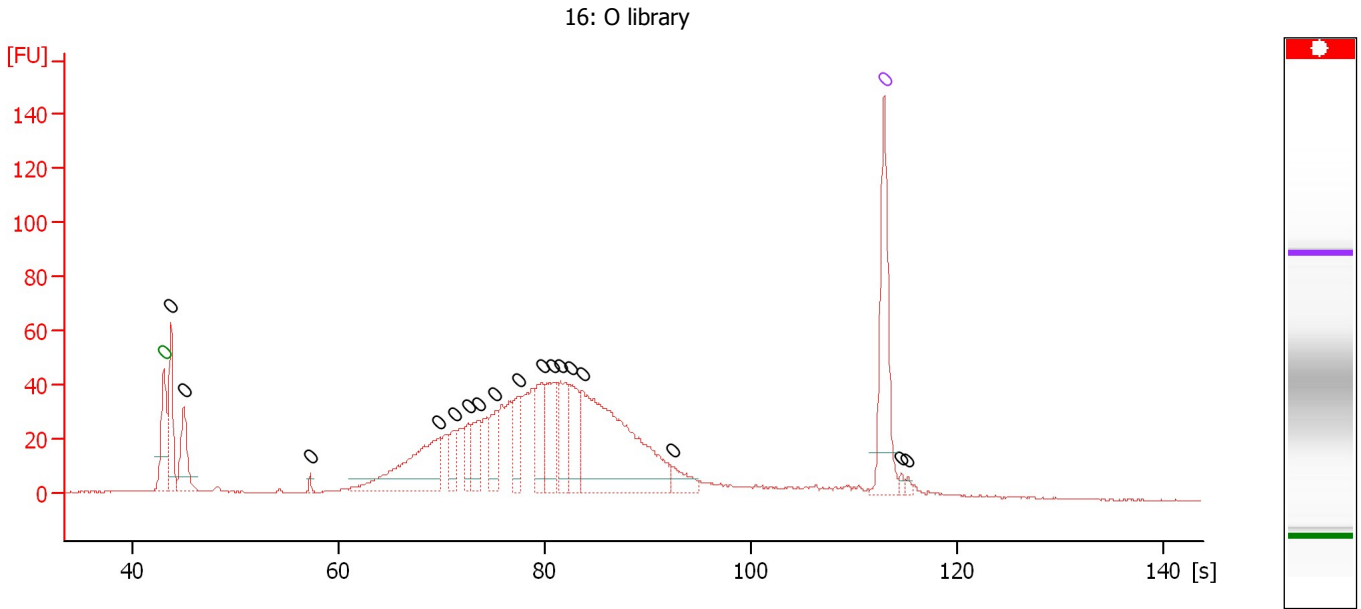
**Peak table for sample 1 : 15: C library**

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		43.67
3	0	0.00	0.0		45.02
4	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
 Modified: 10/31/2016 2:24:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 16: O library**

Number of peaks found: 17 Noise: 0.2

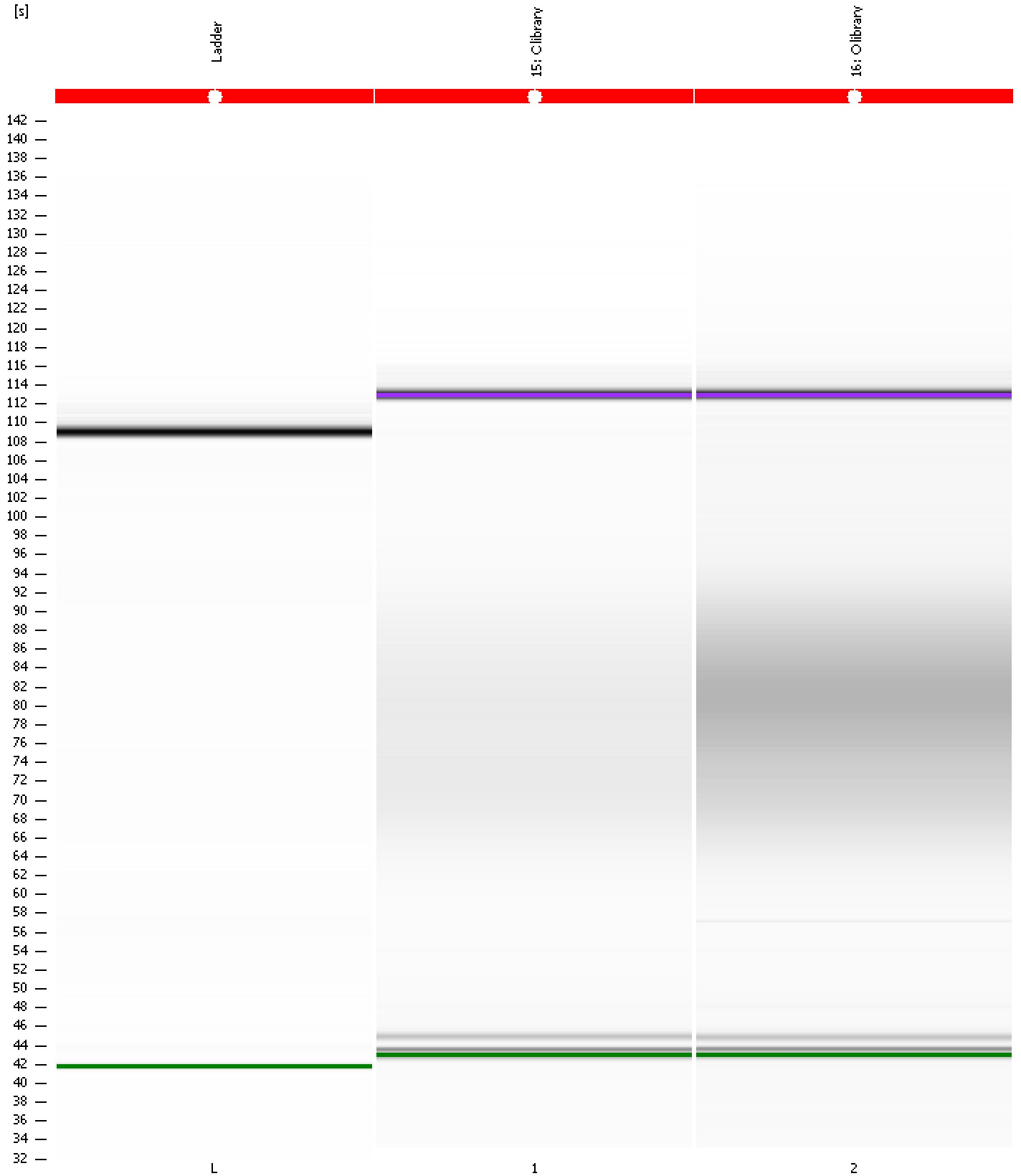
**Peak table for sample 2 : 16: O library**

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		43.73
3	0	0.00	0.0		44.93
4	0	0.00	0.0		57.24
5	0	0.00	0.0		69.65
6	0	0.00	0.0		71.17
7	0	0.00	0.0		72.52
8	0	0.00	0.0		73.57
9	0	0.00	0.0		75.24
10	0	0.00	0.0		77.53
11	0	0.00	0.0		79.77
12	0	0.00	0.0		80.87
13	0	0.00	0.0		81.49
14	0	0.00	0.0		82.49
15	0	0.00	0.0		83.69
16	0	0.00	0.0		92.40
17	0	0.00	0.0	Upper Marker	113.00
18	0	0.00	0.0		114.62
19	0	0.00	0.0		115.30

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
Modified: 10/31/2016 2:24:33 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ata\2016-10-31\2016-10-31\_004\_HiSeq663\_Libraries\_15-16.xad

Created: 10/31/2016 12:41:18 PM  
 Modified: 10/31/2016 2:24:33 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		10/31/2016 1:22:36 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\2016-10-31\2016-10-31_004.xad)		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1