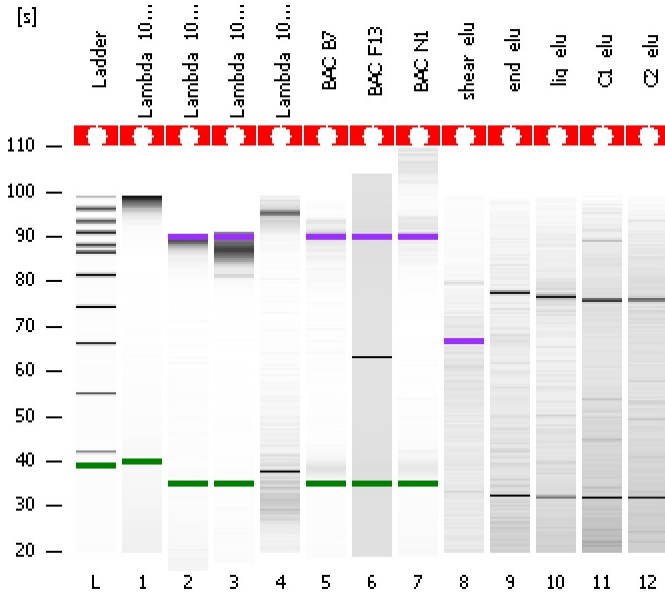


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 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\DNA 12000 Series II.xsy

Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

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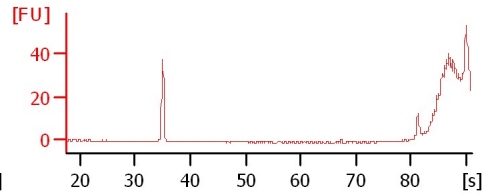
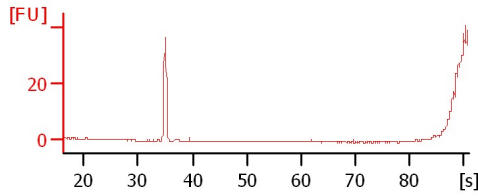
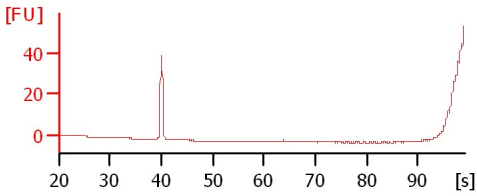
Chip Information:

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

Lambda_10k_shear

Lambda_10k_FFPE

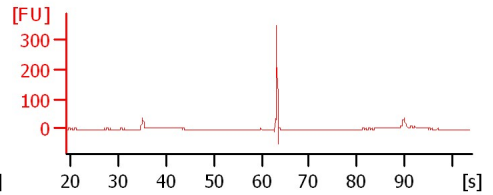
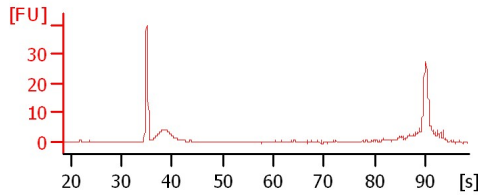
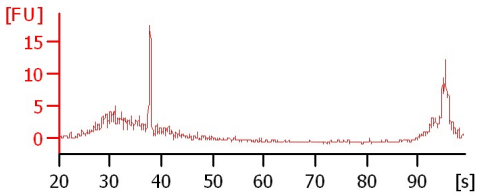
Lambda_10k_end



Lambda_10k_PSM

BAC_B7

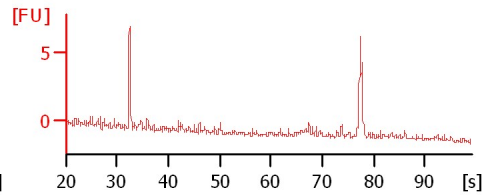
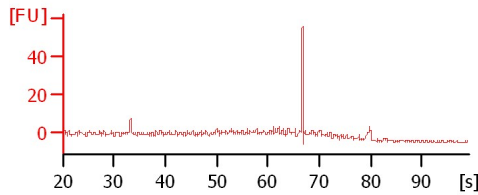
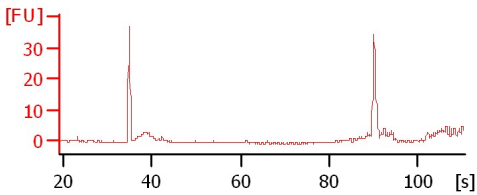
BAC_F13



BAC_N1

shear_elu

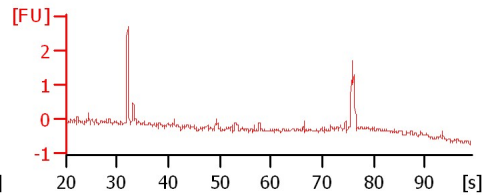
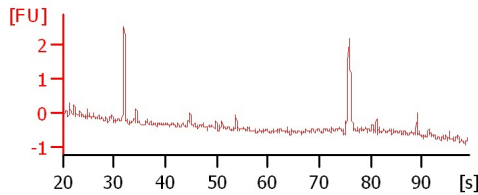
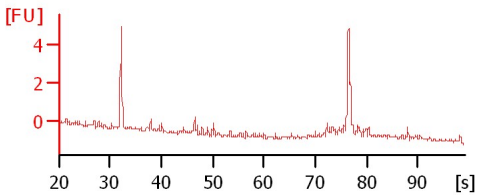
end_elu



lig_elu

C1_elu

C2_elu



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Lambda_10k_shear		<input type="checkbox"/>	✓			
Lambda_10k_FFPE		<input type="checkbox"/>	✓			
Lambda_10k_end		<input type="checkbox"/>	✓			
Lambda_10k_PSM		<input type="checkbox"/>	✓			
BAC_B7		<input type="checkbox"/>	✓			
BAC_F13		<input type="checkbox"/>	✓			
BAC_N1		<input type="checkbox"/>	✓			
shear_elu		<input type="checkbox"/>	✓			
end_elu		<input type="checkbox"/>	✓			
lig_elu		<input type="checkbox"/>	✓			
C1_elu		<input type="checkbox"/>	✓			
C2_elu		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 98.95
Ladder Concentration [ng/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 8.3
Upper Marker Concentration [ng/μl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 98.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

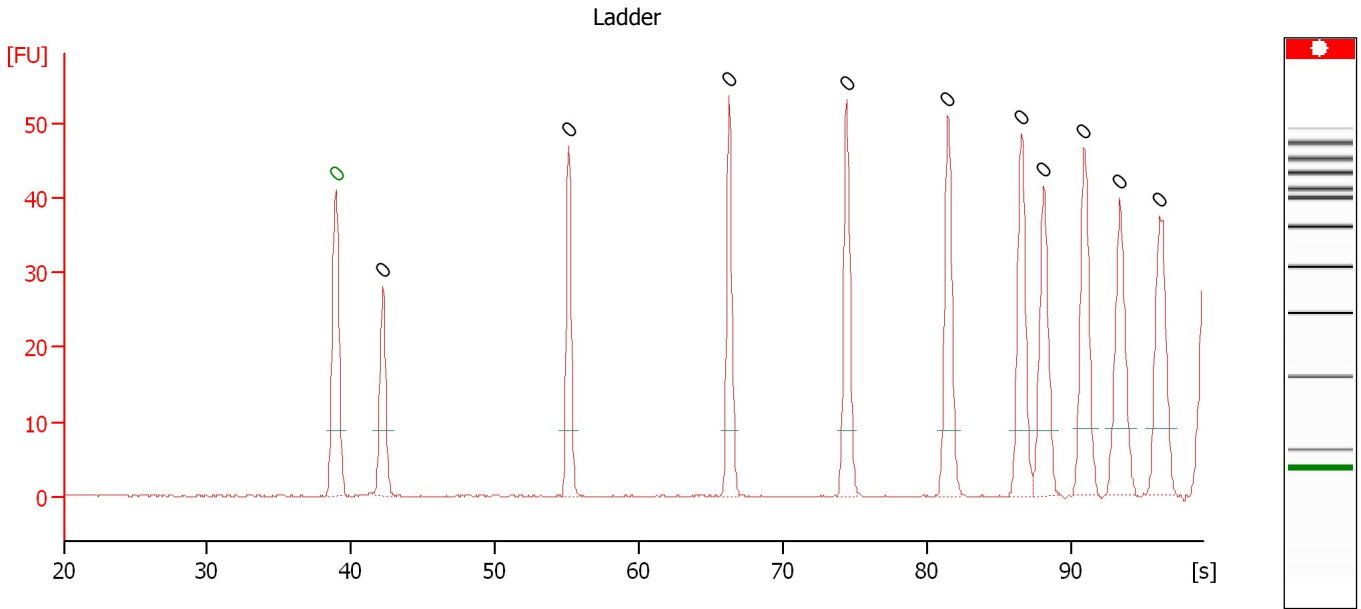
Ladder

Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
 Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary



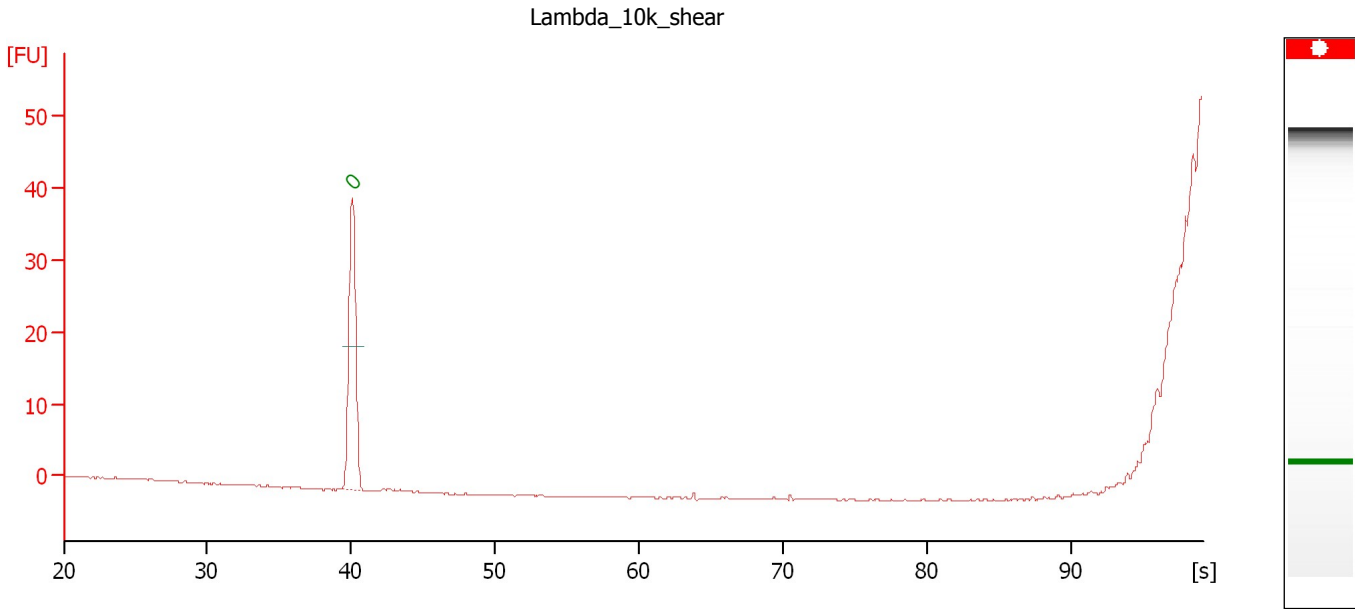
Peak table for Ladder

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/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	Ladder Peak
10	0	0.00	0.0	Ladder Peak
11	0	0.00	0.0	Ladder Peak

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Lambda 10k shear

Number of peaks found: 0

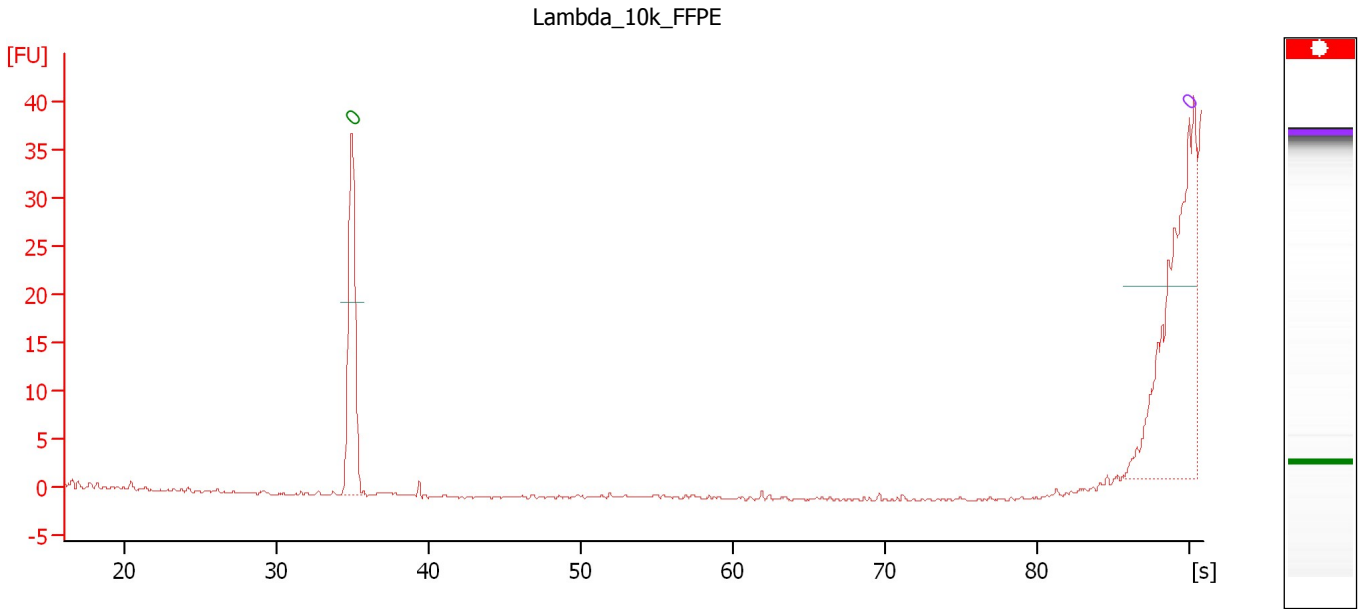
Peak table for sample 1 : Lambda 10k shear

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Lambda 10k FFPE

Number of peaks found: 0

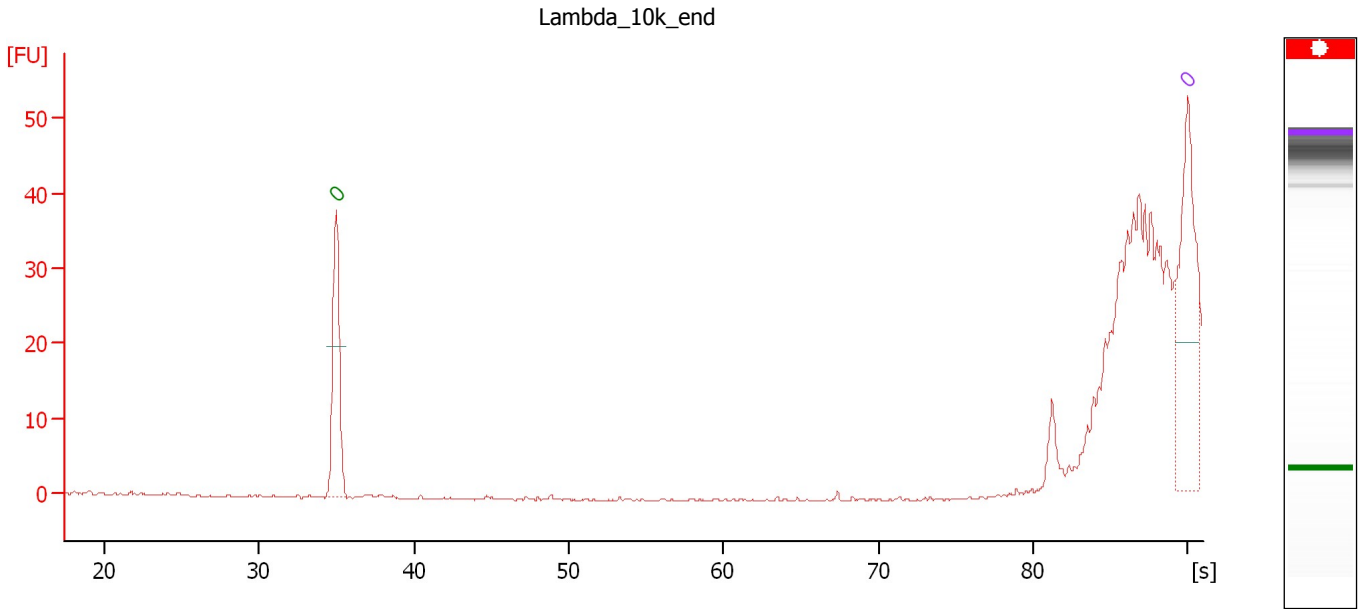
Peak table for sample 2 : Lambda 10k FFPE

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Lambda 10k end

Number of peaks found: 0

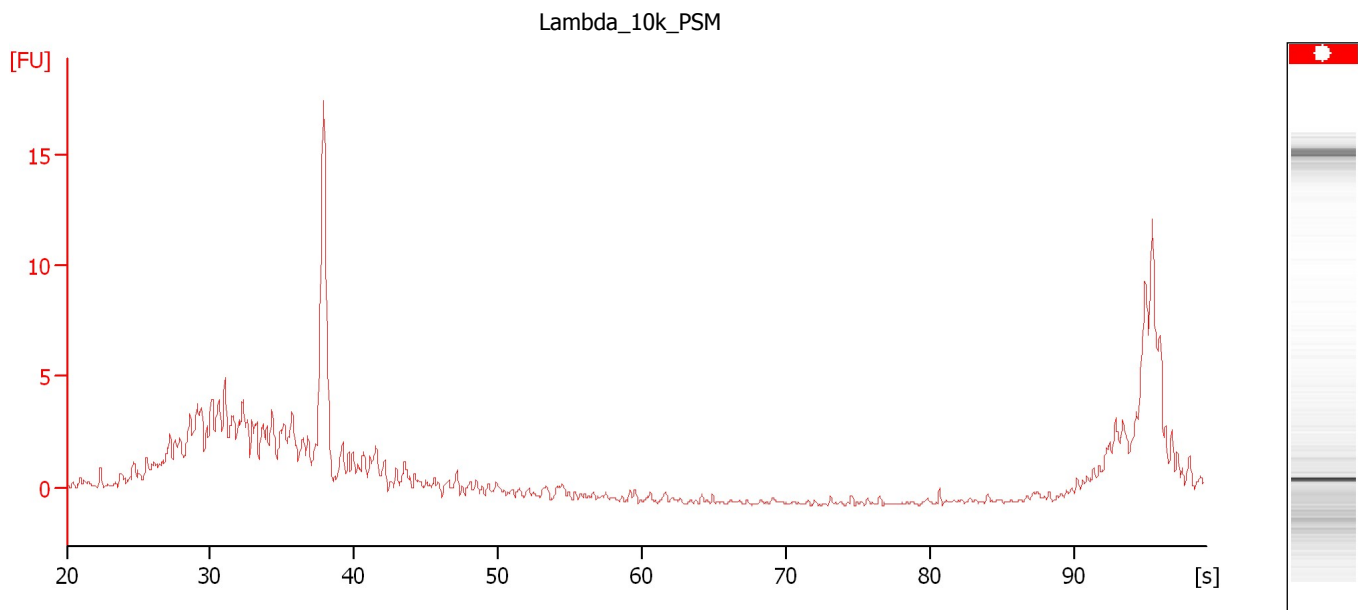
Peak table for sample 3 : Lambda 10k end

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

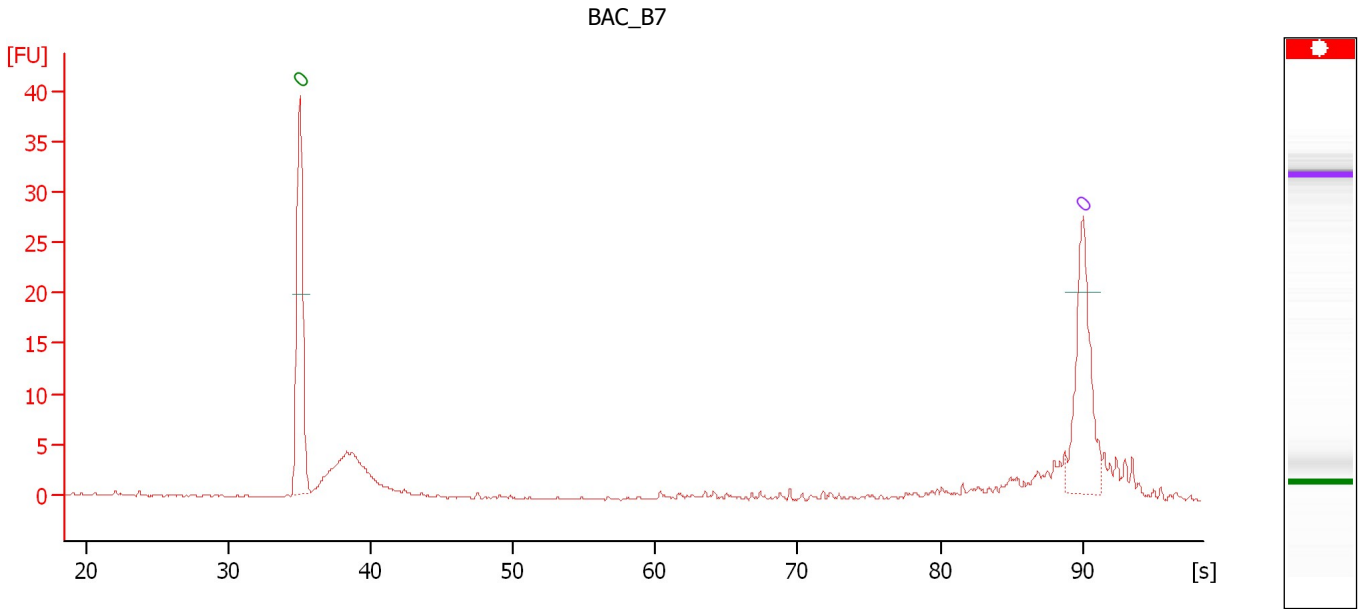
Electropherogram Summary Continued ...



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BAC_B7

Number of peaks found: 0

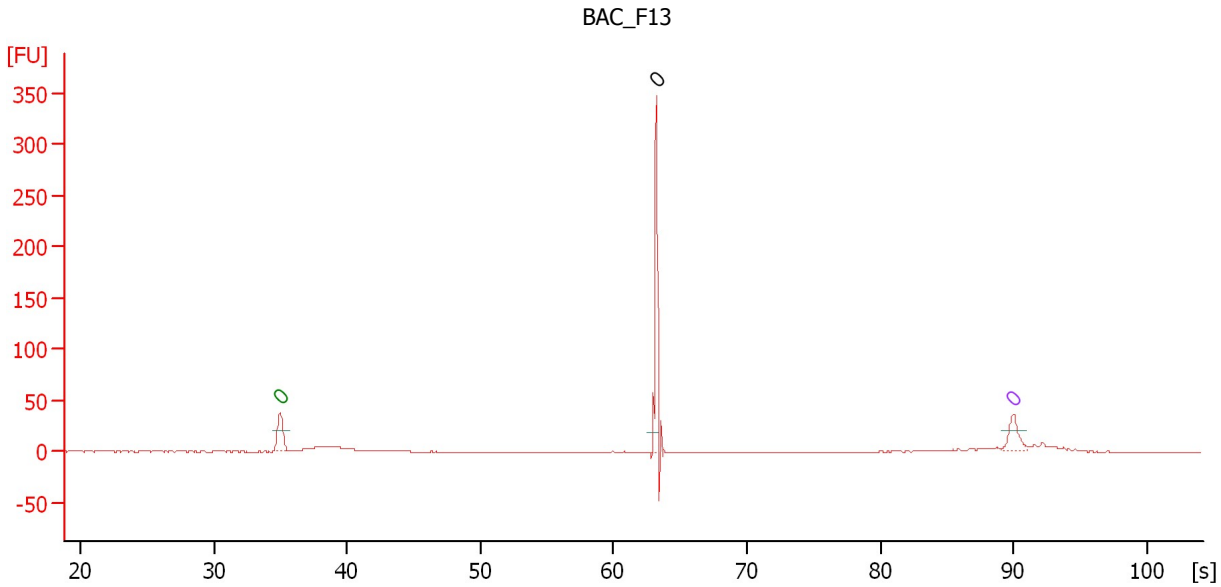
Peak table for sample 5 : BAC_B7

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : BAC_F13

Number of peaks found: 1

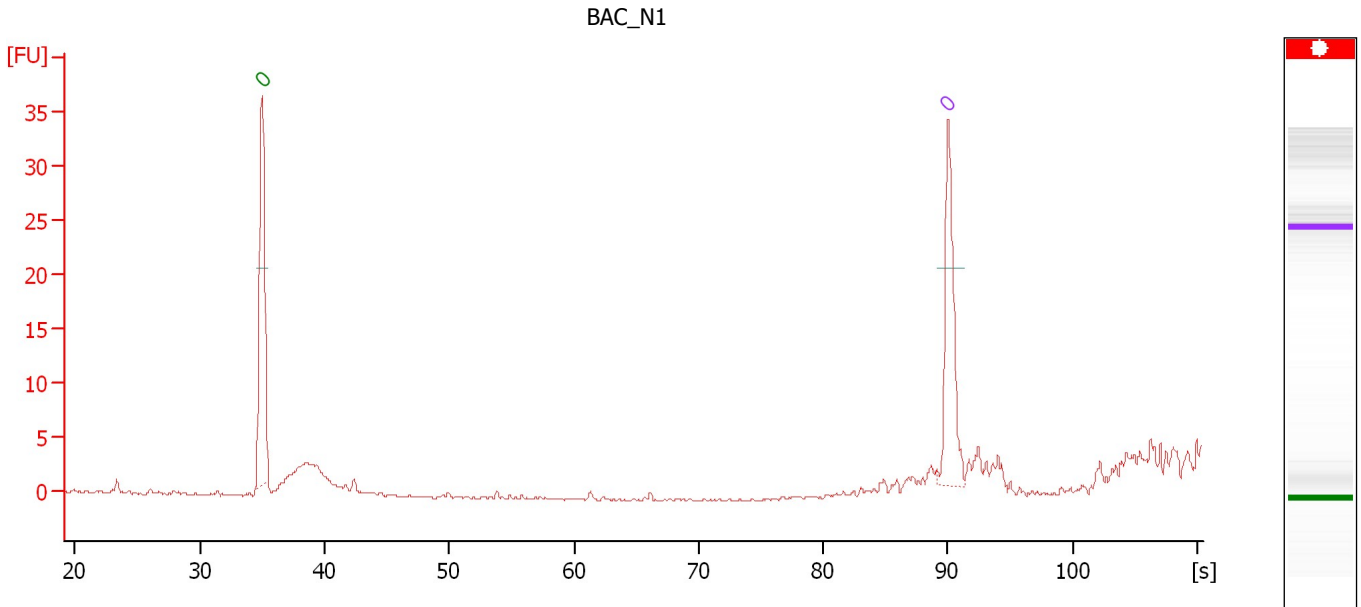
Peak table for sample 6 : BAC_F13

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BAC_N1

Number of peaks found: 0

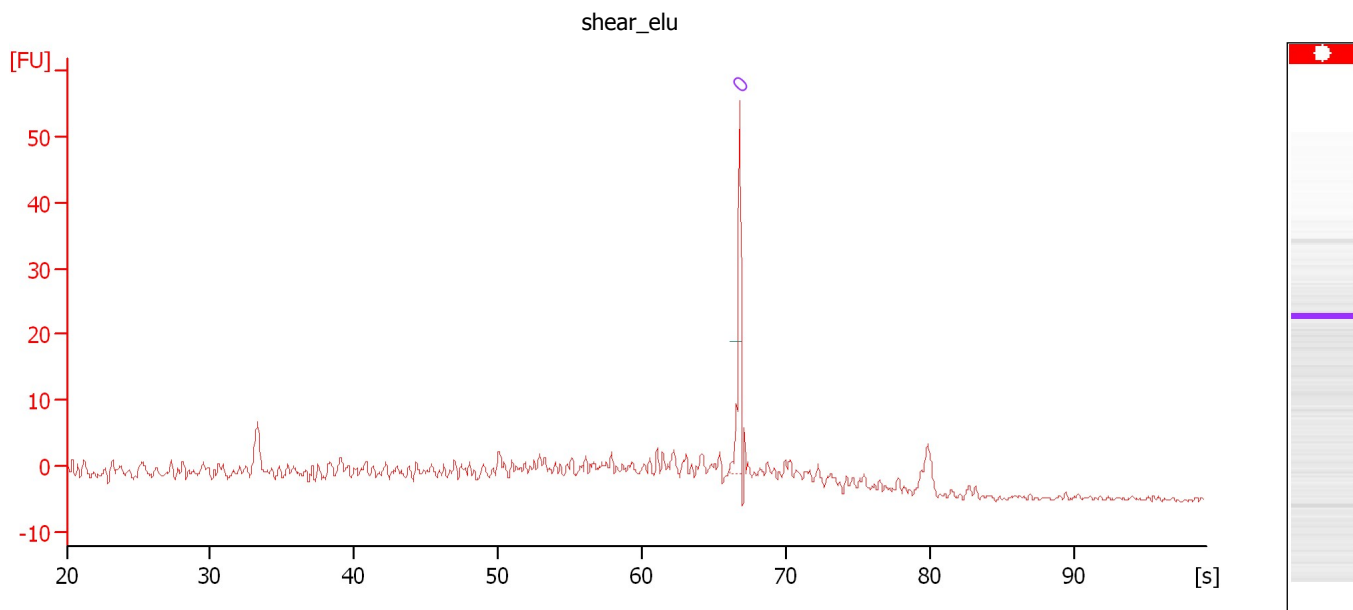
Peak table for sample 7 : BAC_N1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
 Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : shear_elu

Number of peaks found: 0

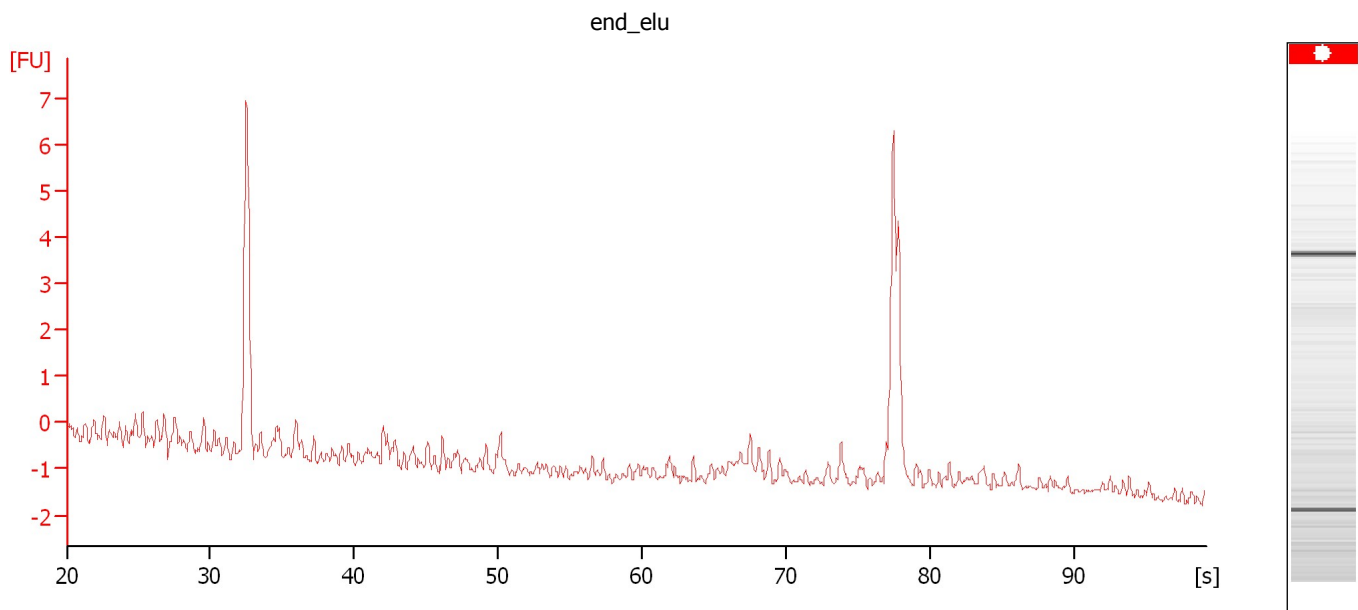
Peak table for sample 8 : shear_elu

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...

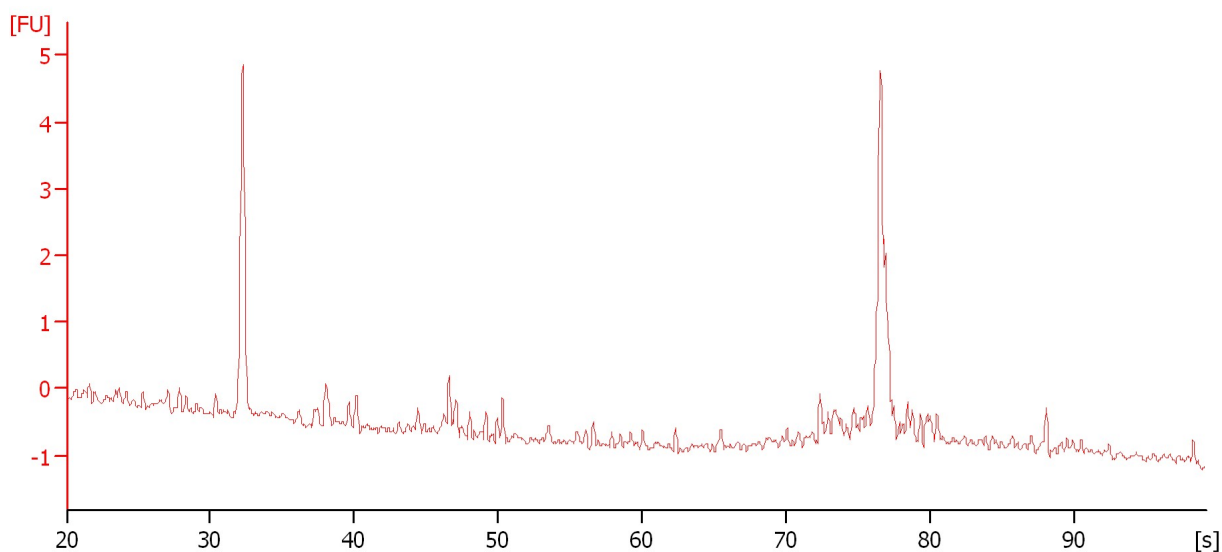


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...

lig_elu

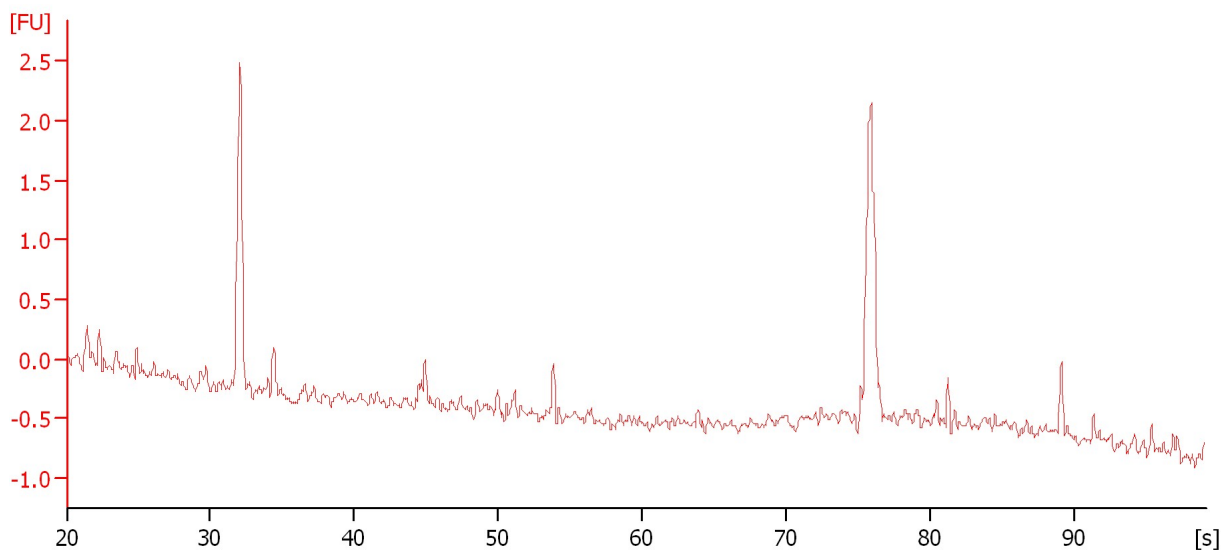


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...

C1_elu

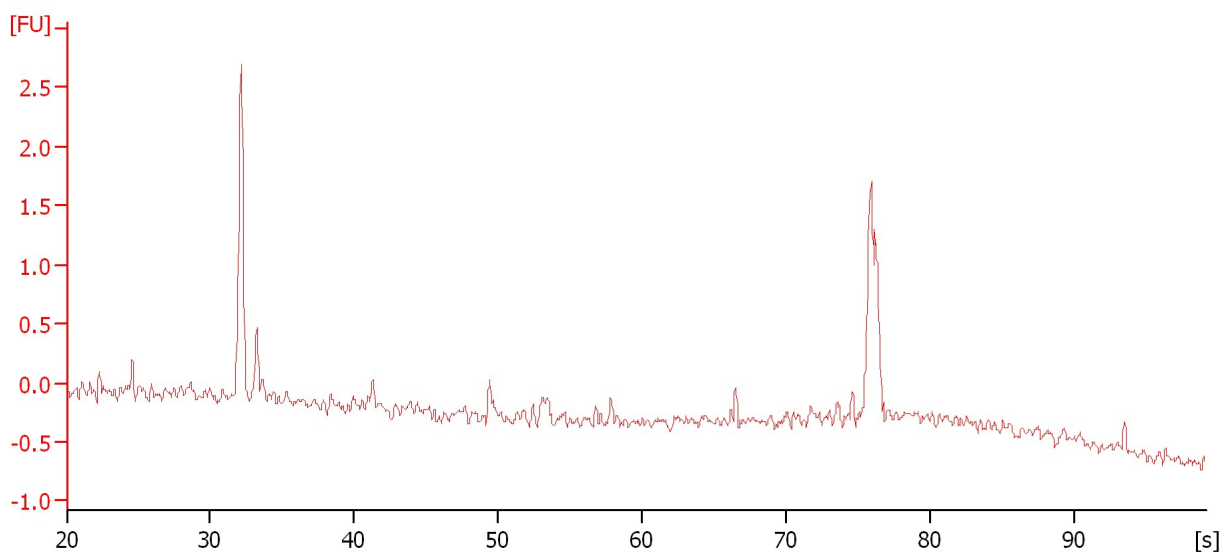


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Electropherogram Summary Continued ...

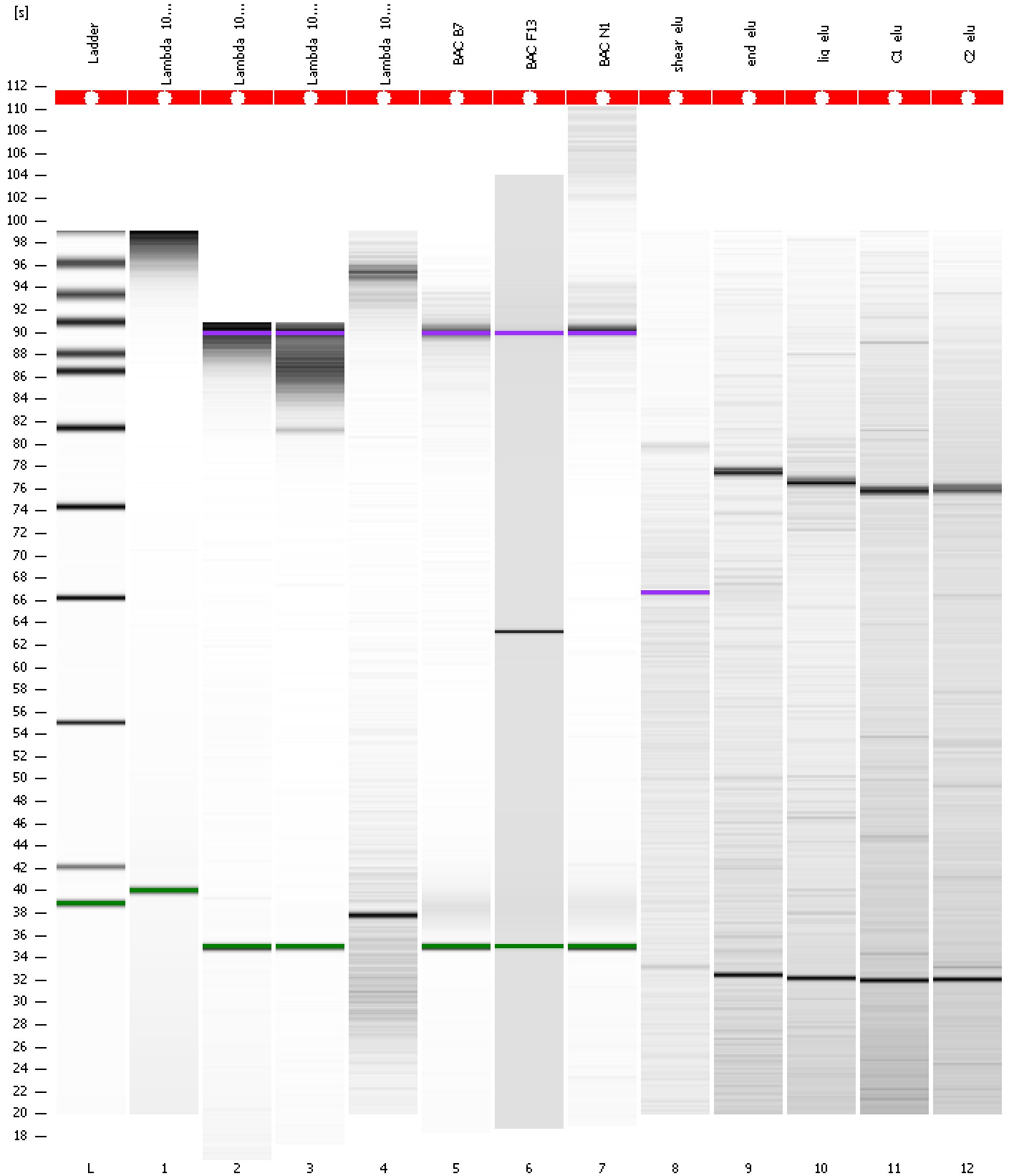
C2_elu



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
Modified: 11/19/2015 3:59:44 PM

Gel Image



Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad

Created: 11/19/2015 3:24:39 PM
 Modified: 11/19/2015 3:59:44 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		11/19/2015 3:59:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-19\2015-11-19_004.xad)		Instrument	Run		11/19/2015 3:24:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/19/2015 3:24:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/19/2015 3:24:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/19/2015 3:24:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/19/2015 3:24:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/19/2015 3:24:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/19/2015 3:24:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1