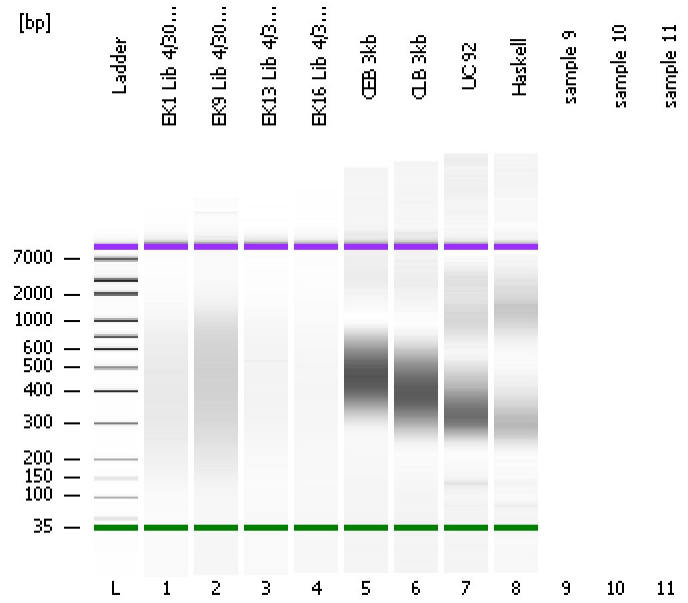
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electrophoresis File Run Summary



Instrument Information:

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

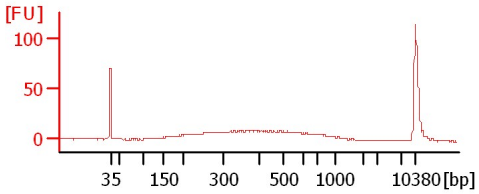
Assay Information:

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

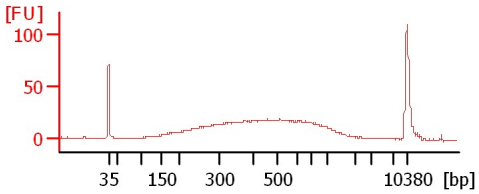
Chip Information:

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

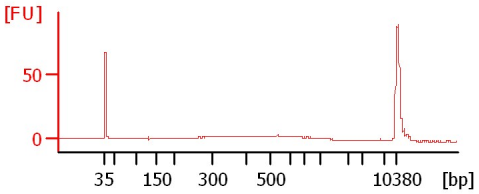
EK1 Lib 4/30/12



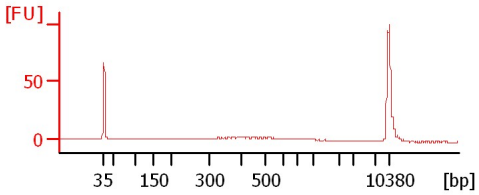
EK9 Lib 4/30/12



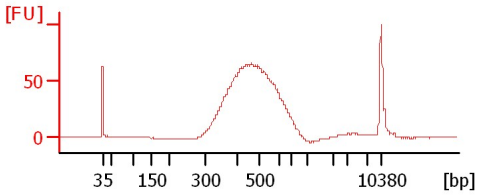
EK13 Lib 4/30/12



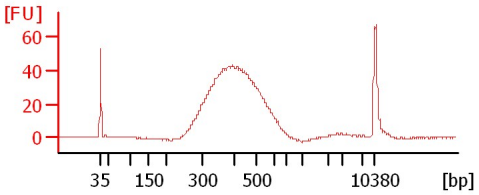
EK16 Lib 4/30/12



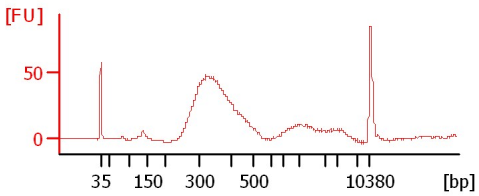
CEB 3kb



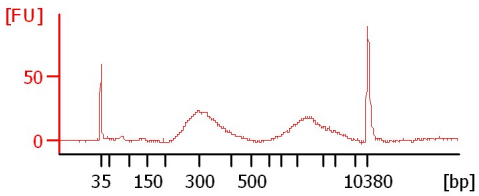
CLB 3kb



UC 92



Haskell



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
EK1 Lib 4/30/12		☐	✔			
EK9 Lib 4/30/12		☐	✔			
EK13 Lib 4/30/12		☐	✔			
EK16 Lib 4/30/12		☐	✔			
CEB 3kb		☐	✔			
CLB 3kb		☐	✔			
UC 92		☐	✔			
Haskell		☐	✔			
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 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

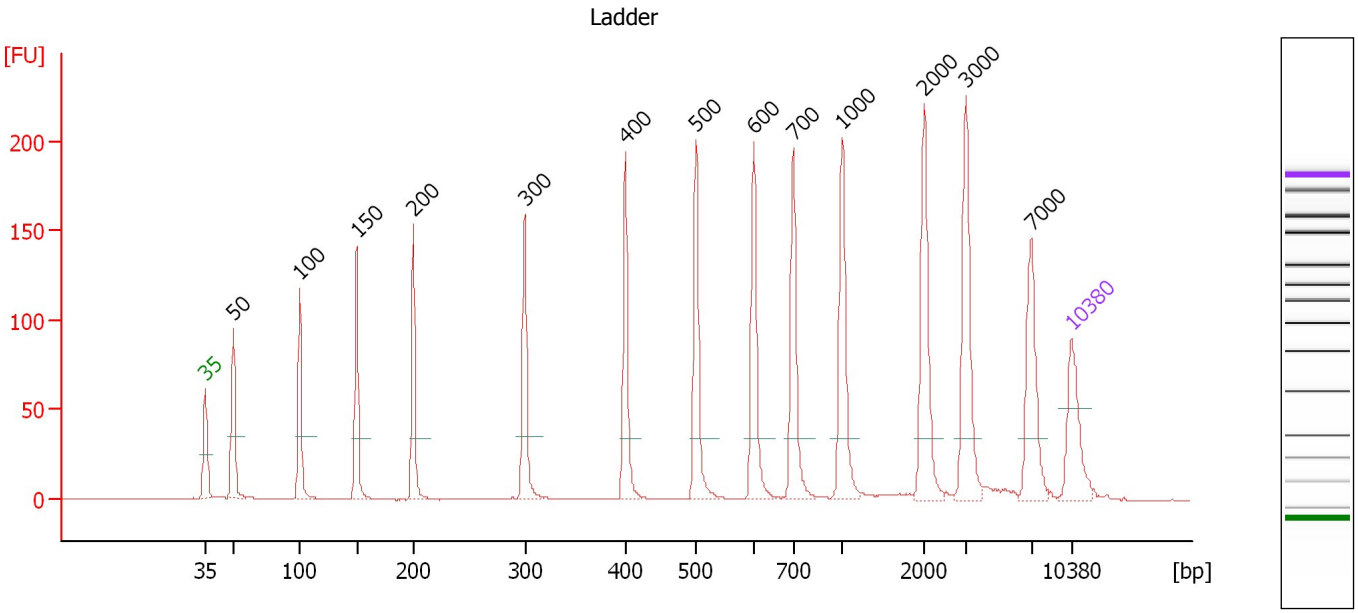
Ladder

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\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

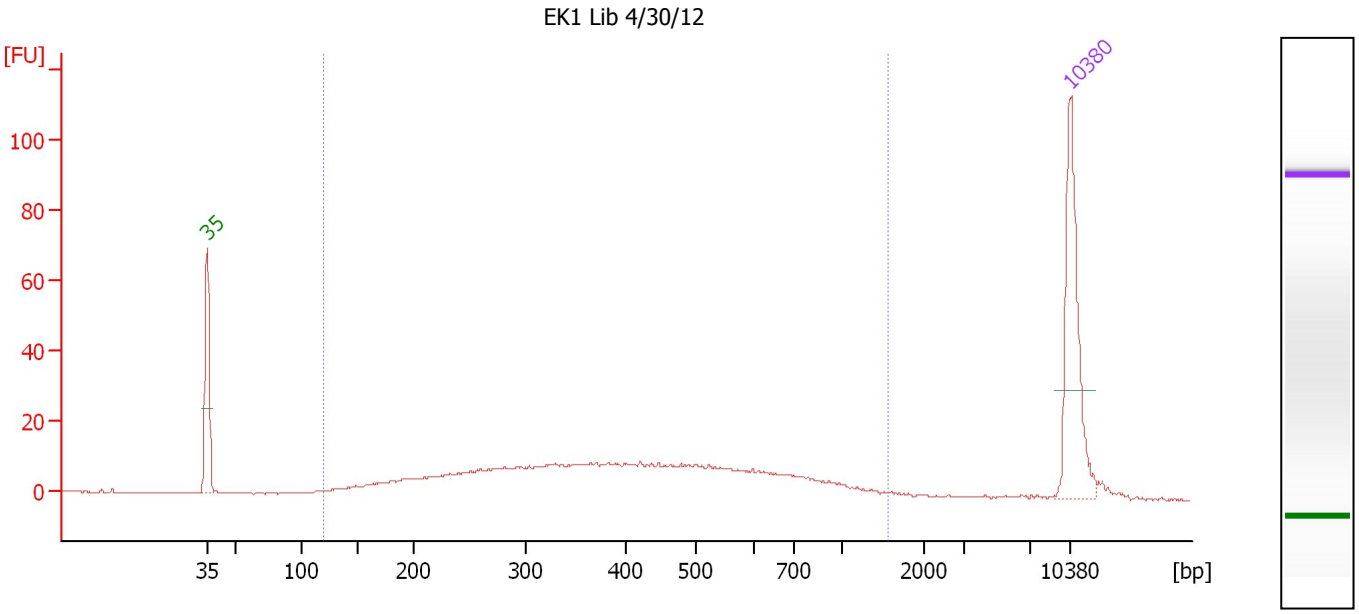
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		50	150.00	4,545.5	Ladder Peak
3		100	150.00	2,272.7	Ladder Peak
4		150	150.00	1,515.2	Ladder Peak
5		200	150.00	1,136.4	Ladder Peak
6		300	150.00	757.6	Ladder Peak
7		400	150.00	568.2	Ladder Peak
8		500	150.00	454.5	Ladder Peak
9		600	150.00	378.8	Ladder Peak
10		700	150.00	324.7	Ladder Peak
11		1,000	150.00	227.3	Ladder Peak
12		2,000	150.00	113.6	Ladder Peak
13		3,000	150.00	75.8	Ladder Peak
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : EK1 Lib 4/30/12

Number of peaks found:	0	Corr. Area 1:	399.9
Noise:	0.2		

Peak table for sample 1 : EK1 Lib 4/30/12

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

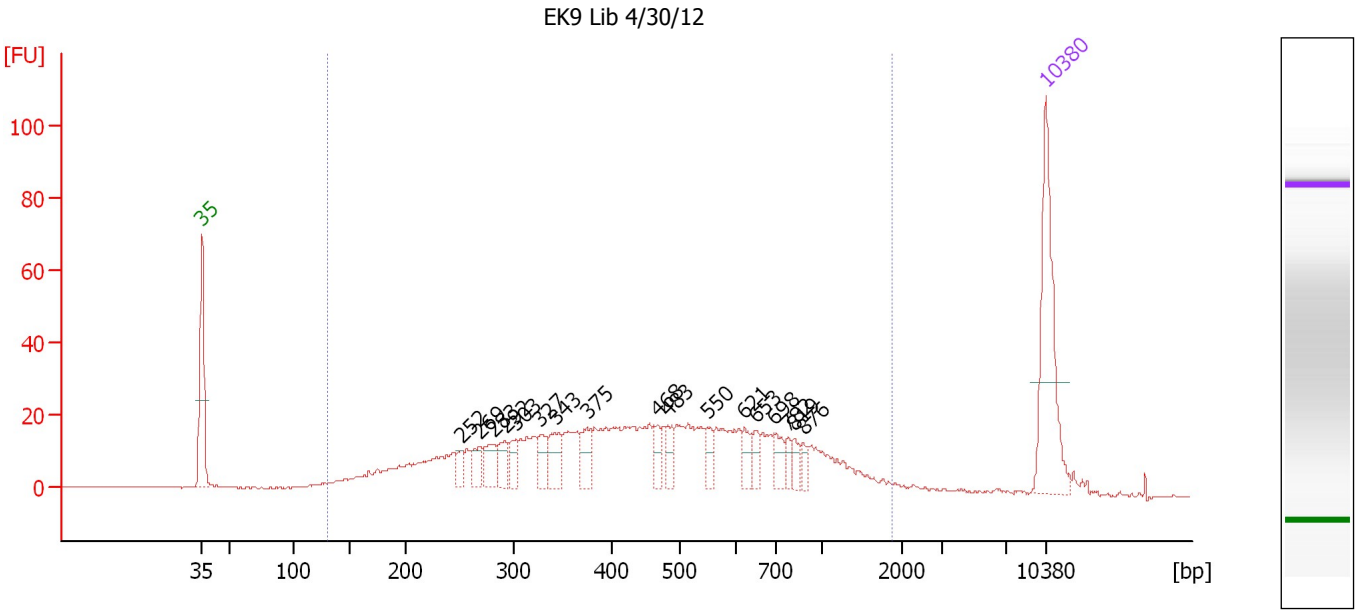
Region table for sample 1 : EK1 Lib 4/30/12

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
120	1,771.3	447	378.36	1,560	399.9	95	50.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : EK9 Lib 4/30/12

Height Threshold [FU] : 10

Overall Results for sample 2 : EK9 Lib 4/30/12

Number of peaks found:	17	Corr. Area 1:	775.5
Noise:	0.2		

Peak table for sample 2 : EK9 Lib 4/30/12

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	252	10.45	63.0	
3	269	16.78	94.4	
4	283	23.68	127.0	
5	292	16.45	85.3	
6	303	13.92	69.6	
7	327	18.45	85.4	
8	343	24.12	106.7	
9	375	18.49	74.7	
10	468	14.06	45.5	
11	483	14.69	46.1	
12	550	13.08	36.0	
13	621	13.00	31.7	
14	653	12.18	28.3	
15	698	14.01	30.4	
16	782	7.91	15.3	
17	819	8.50	15.7	
18	876	6.62	11.5	
19	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electropherogram Summary Continued ...

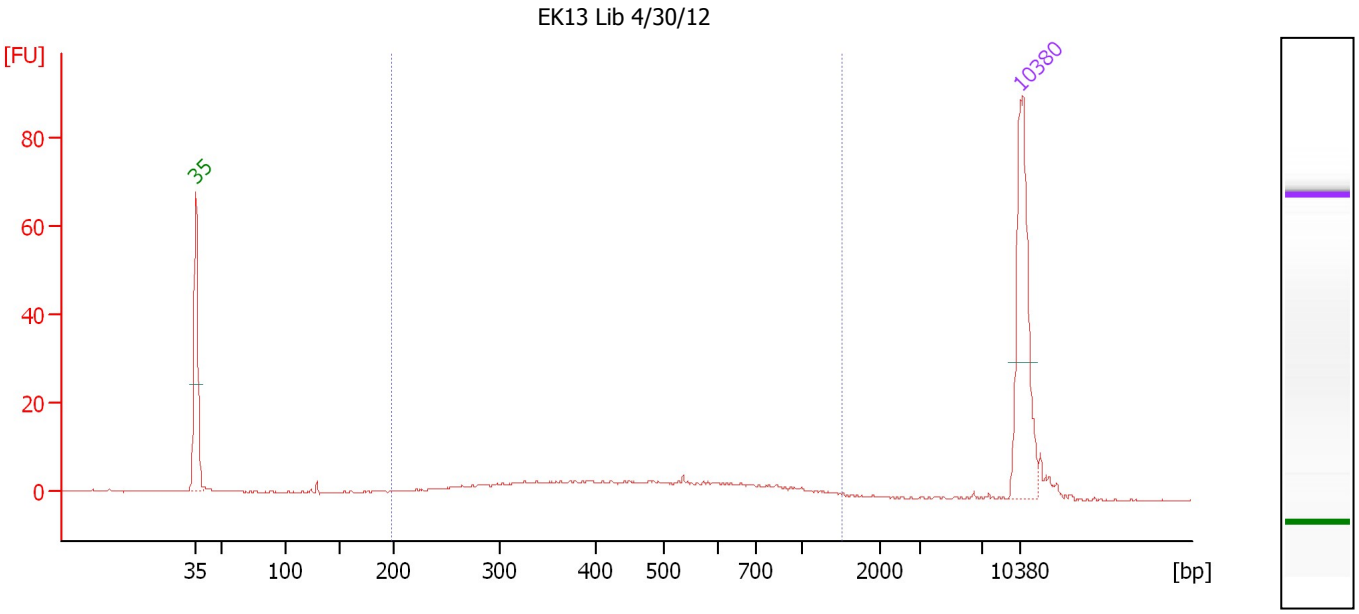
... Region table for sample 2 : EK9 Lib 4/30/12

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
131	3,255.3	510	766.55	1,859	775.5	96	56.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : EK13 Lib 4/30/12

Number of peaks found:	0	Corr. Area 1:	118.0
Noise:	0.2		

Peak table for sample 3 : EK13 Lib 4/30/12

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

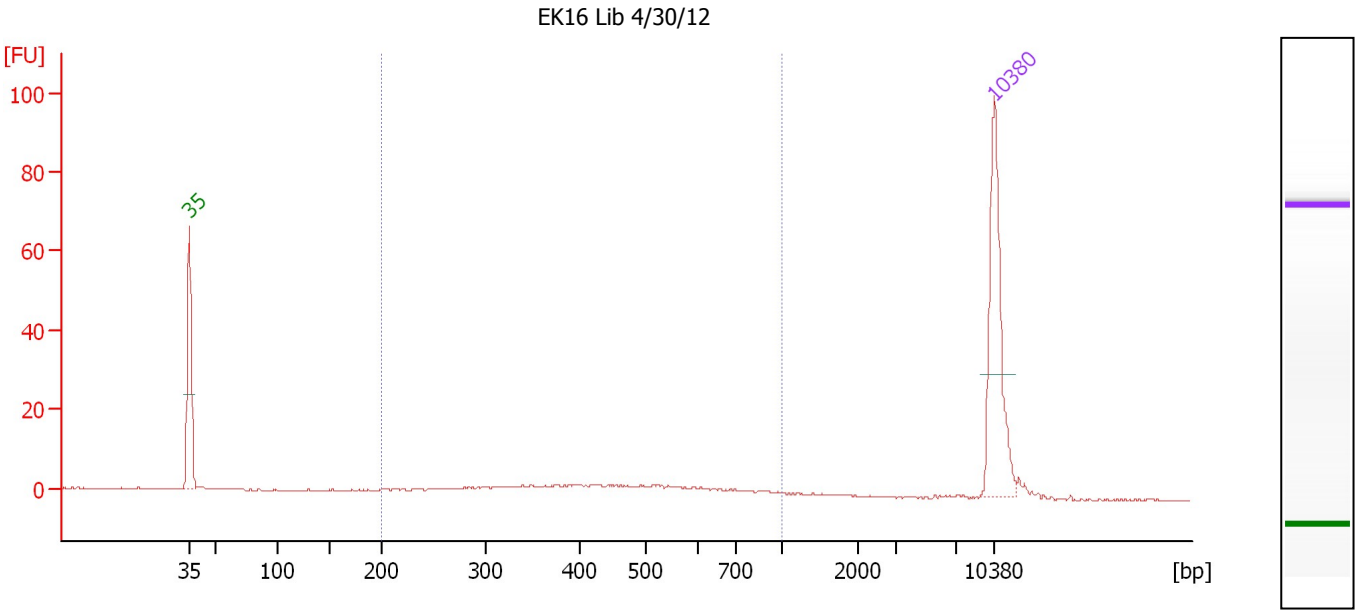
Region table for sample 3 : EK13 Lib 4/30/12

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
198	505.8	508	133.56	1,515	118.0	83	46.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : EK16 Lib 4/30/12

Number of peaks found:	0	Corr. Area 1:	69.1
Noise:	0.2		

Peak table for sample 4 : EK16 Lib 4/30/12

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

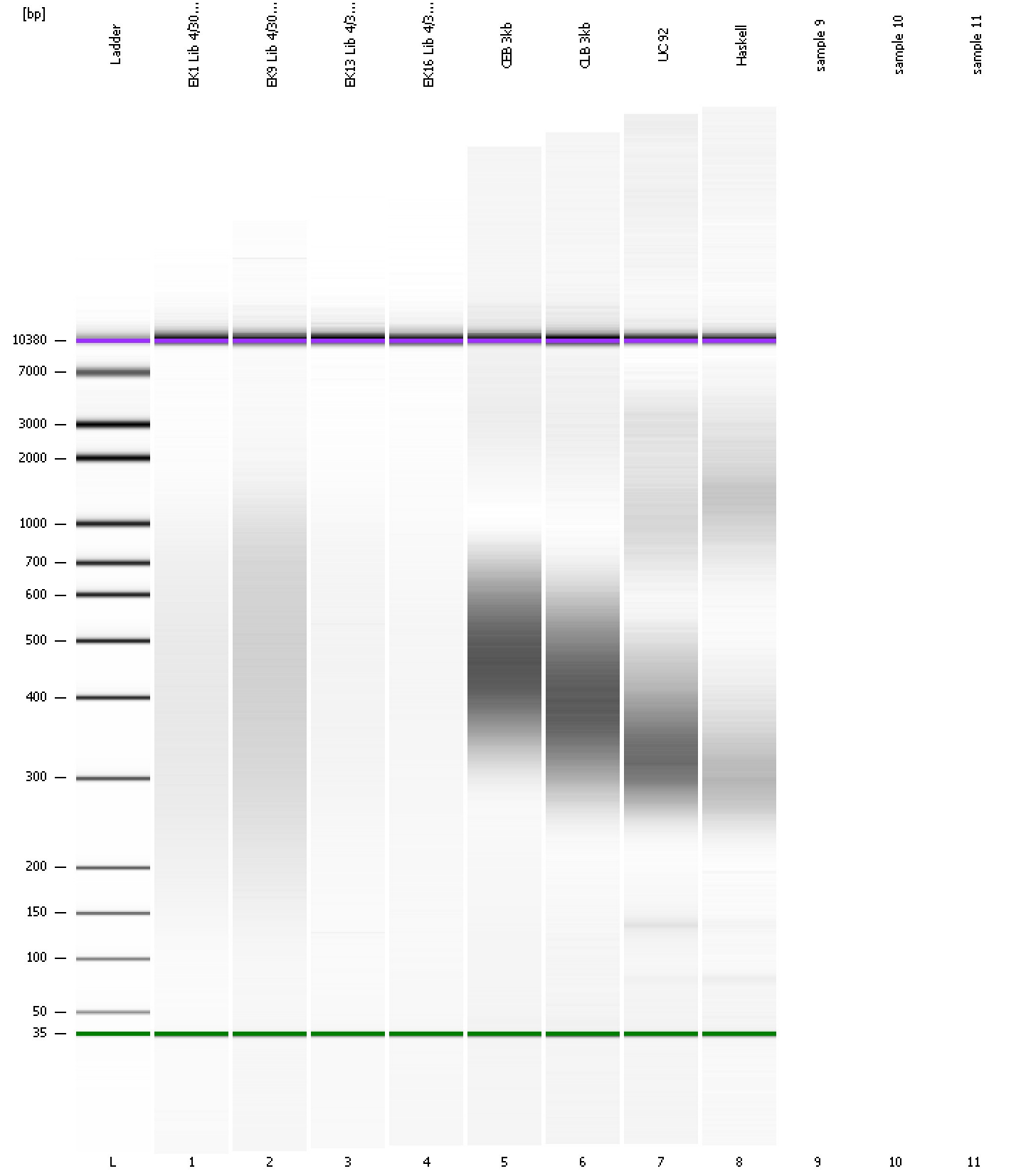
Region table for sample 4 : EK16 Lib 4/30/12

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	281.6	467	73.09	1,000	69.1	80	35.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad

Created: 5/1/2012 4:25:42 PM
Modified: 5/1/2012 5:26:22 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		5/1/2012 4:58:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-05-01\2012-05-01_006.xad)		Instrument	Run		5/1/2012 4:25:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/1/2012 4:25:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/1/2012 4:25:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/1/2012 4:25:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/1/2012 4:25:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/1/2012 4:25:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/1/2012 4:25:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1