Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electrophoresis File Run Summary

Instrument Information:

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

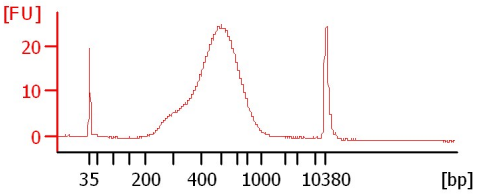
Assay Information:

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

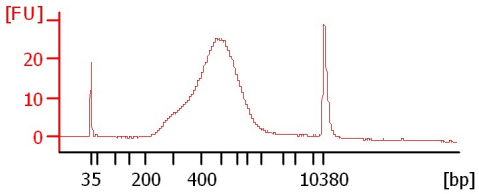
Chip Information:

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

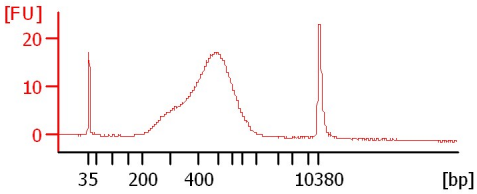
Seq AT library (1:4)



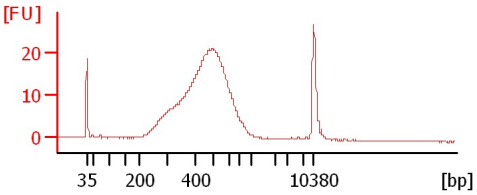
Seq CV library (1:6)



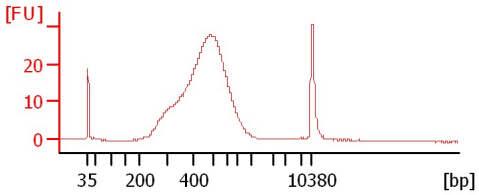
Seq MI library (1:5)



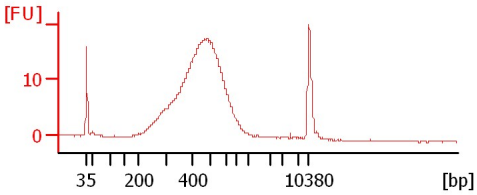
Seq SJ library (1:4)



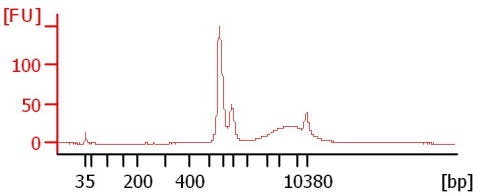
Seq RR library (1:5)



Seq FT library (1:5)



abcam '08
Bioanalyzer done by core 2/25/15



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Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Seq AT library (1:4)		☐	✔			
Seq CV library (1:6)		☐	✔			
Seq MI library (1:5)		☐	✔			
Seq SJ library (1:4)		☐	✔			
Seq RR library (1:5)		☐	✔			
Seq FT library (1:5)		☐	✔			
abcam '08	Bioanalyzer done by core 2/25/15	☐	✔			
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

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Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

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

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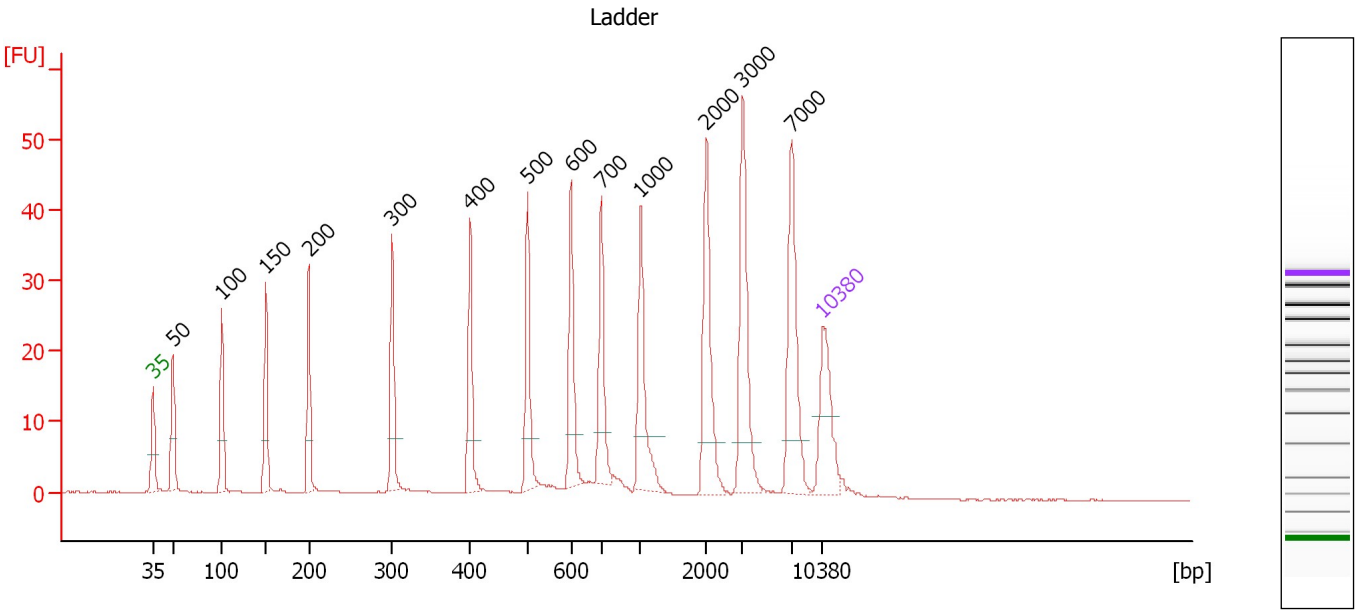
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

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	45.06
3		100	150.00	2,272.7	Ladder Peak	50.19
4		150	150.00	1,515.2	Ladder Peak	54.76
5		200	150.00	1,136.4	Ladder Peak	59.27
6		300	150.00	757.6	Ladder Peak	67.97
7		400	150.00	568.2	Ladder Peak	76.16
8		500	150.00	454.5	Ladder Peak	82.12
9		600	150.00	378.8	Ladder Peak	86.69
10		700	150.00	324.7	Ladder Peak	89.87
11		1,000	150.00	227.3	Ladder Peak	93.94
12		2,000	150.00	113.6	Ladder Peak	100.85
13		3,000	150.00	75.8	Ladder Peak	104.64
14		7,000	150.00	32.5	Ladder Peak	109.77
15		10,380	75.00	10.9	Upper Marker	113.00

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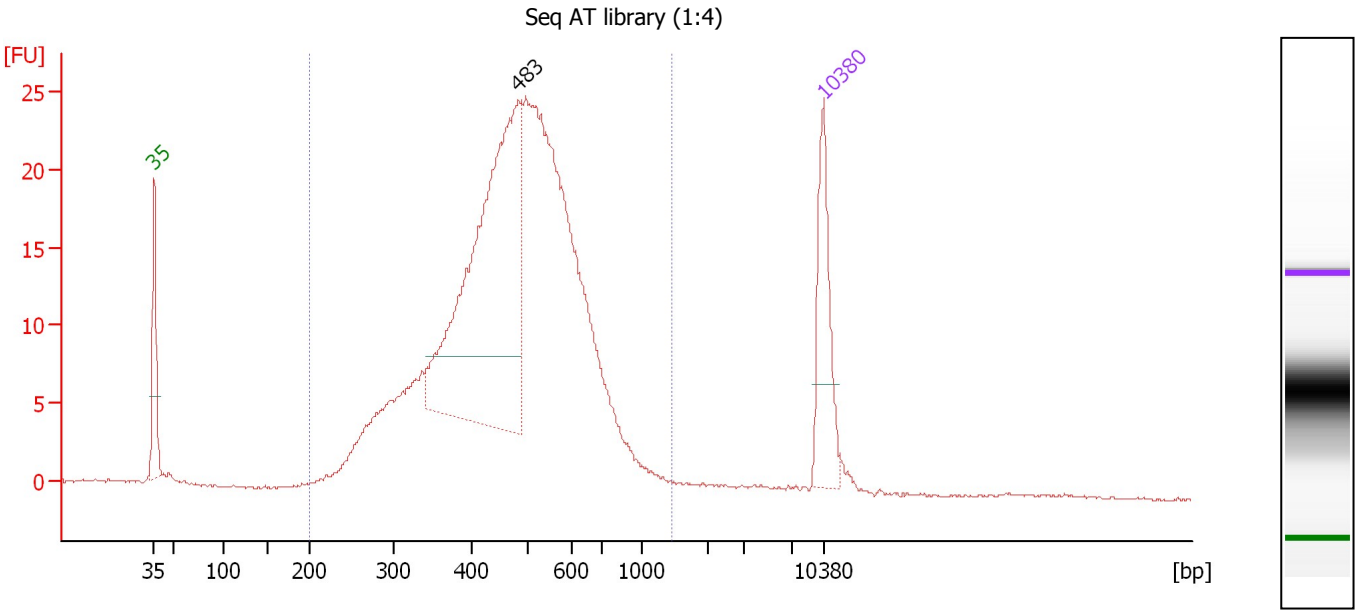
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Seq AT library (1:4)

Number of peaks found:	1	Corr. Area 1:	456.0
Noise:	0.1		

Peak table for sample 1 : Seq AT library (1:4)

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	483	486.23	1,526.1		81.10
3	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 1 : Seq AT library (1:4)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	490	1,450	456.0	98	28.4	1,575.23	5,411.5	

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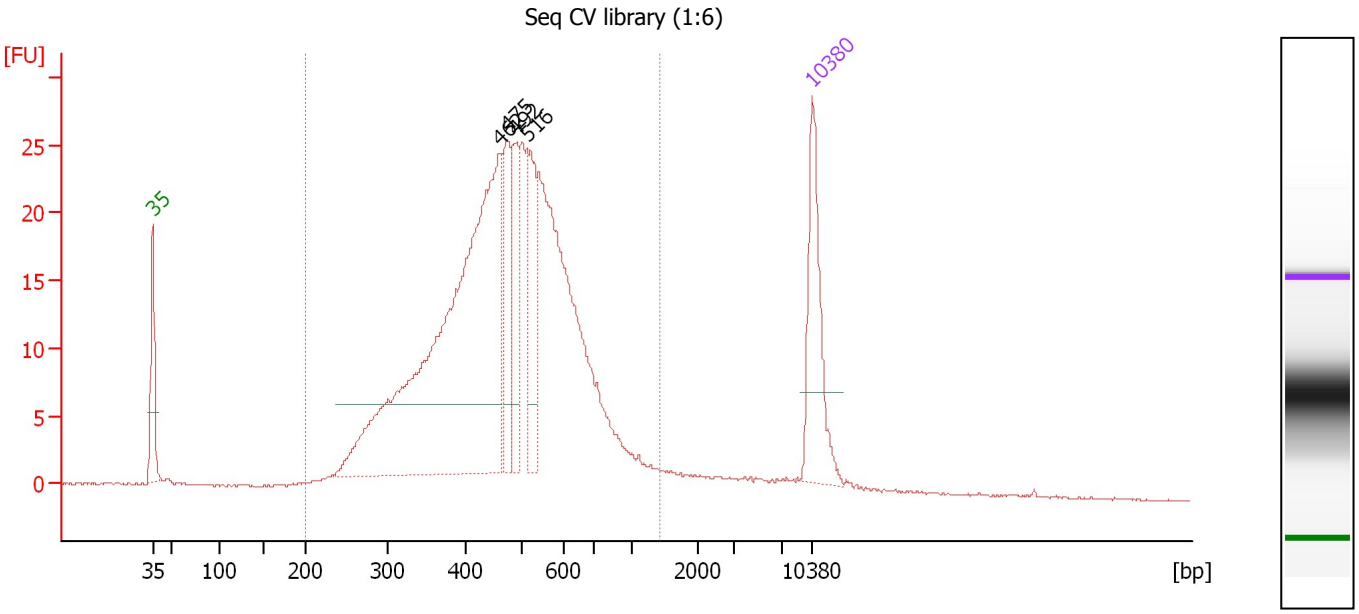
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Seq CV library (1:6)

Number of peaks found:	4	Corr. Area 1:	494.1
Noise:	0.1		

Peak table for sample 2 : Seq CV library (1:6)

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		462	574.20	1,882.4		79.87
3		475	70.01	223.1		80.66
4		492	59.94	184.7		81.62
5		516	76.60	224.8		82.87
6	▶	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 2 : Seq CV library (1:6)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	494	1,422	494.1	95	31.3	1,408.96	4,853.5	

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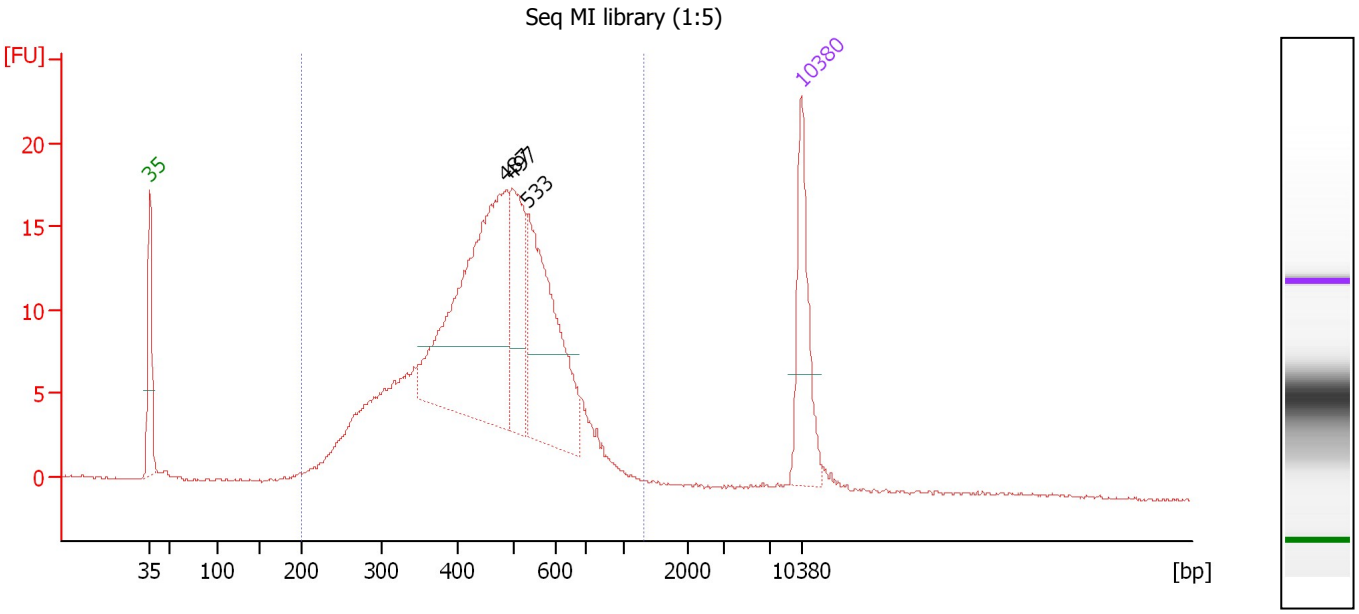
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Seq MI library (1:5)

Number of peaks found:	3	Corr. Area 1:	343.2
Noise:	0.1		

Peak table for sample 3 : Seq MI library (1:5)

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	487	360.76	1,122.2		81.35
3	497	110.37	336.7		81.93
4	533	199.98	568.1		83.65
5	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : Seq MI library (1:5)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	468	1,305	343.2	97	28.2	1,302.31	4,715.6	

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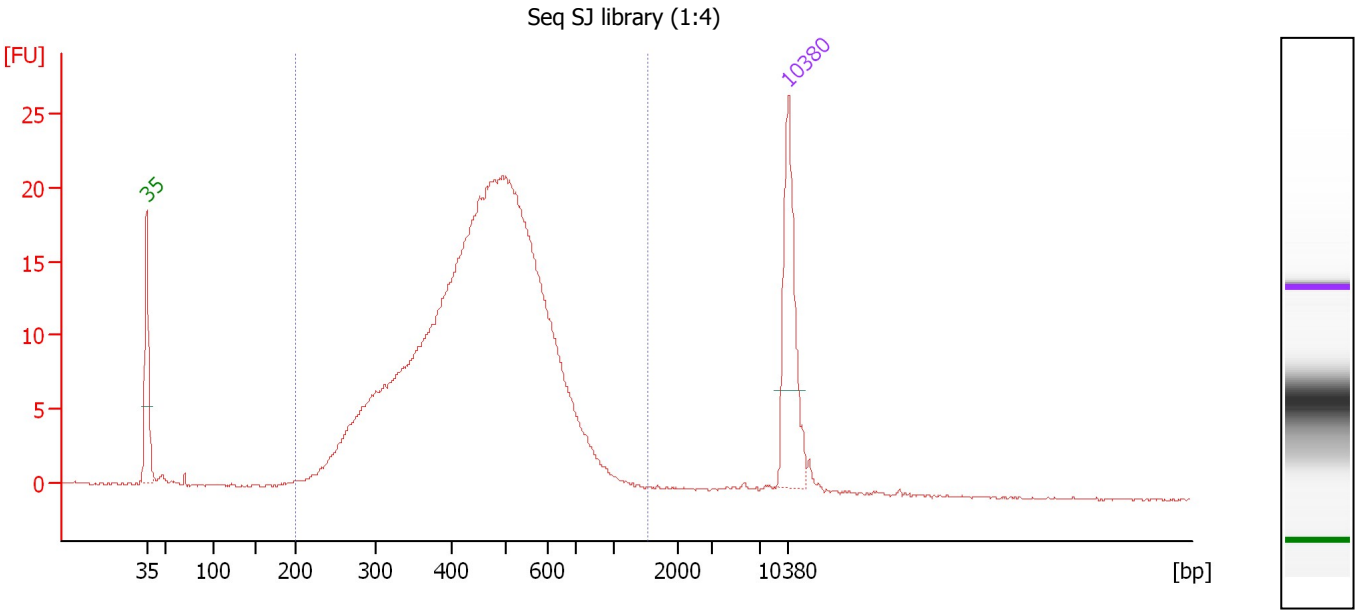
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Seq SJ library (1:4)

Number of peaks found:	0	Corr. Area 1:	404.2
Noise:	0.1		

Peak table for sample 4 : Seq SJ library (1:4)

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	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 : Seq SJ library (1:4)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	471	1,537	404.2	97	28.5	1,305.00	4,676.0	

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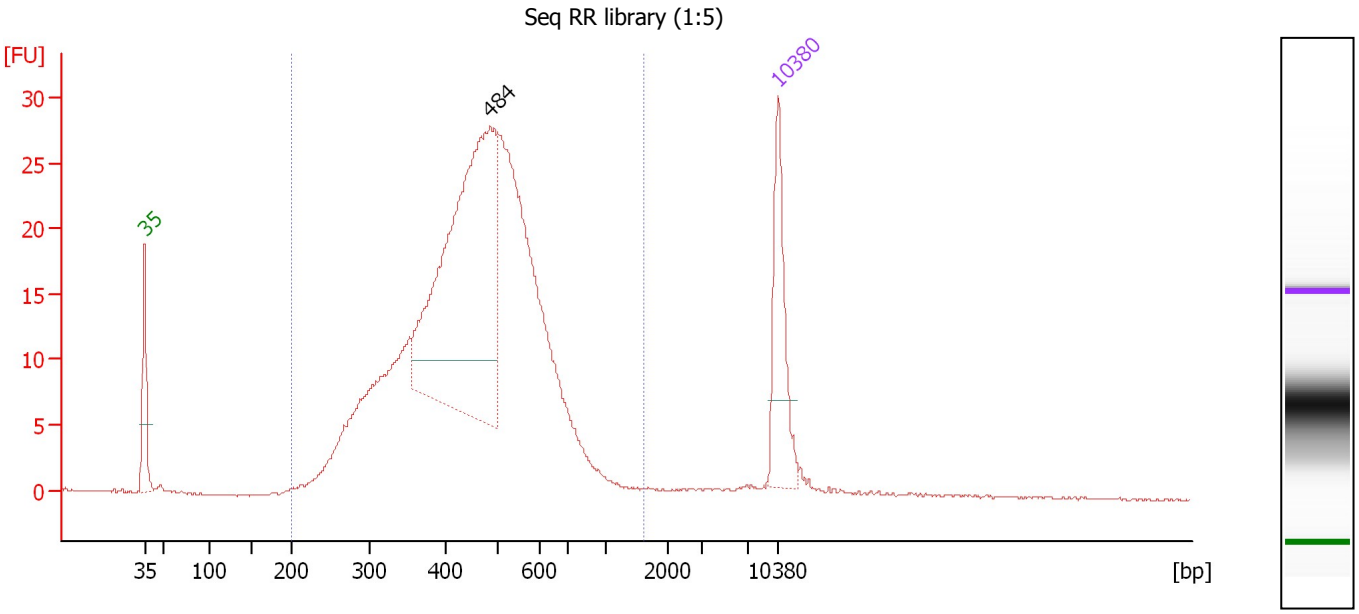
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Seq RR library (1:5)

Number of peaks found:	1	Corr. Area 1:	514.8
Noise:	0.1		

Peak table for sample 5 : Seq RR library (1:5)

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		484	467.98	1,464.4		81.18
3	▶	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 5 : Seq RR library (1:5)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	471	1,604	514.8	97	28.8	1,517.31	5,408.9	

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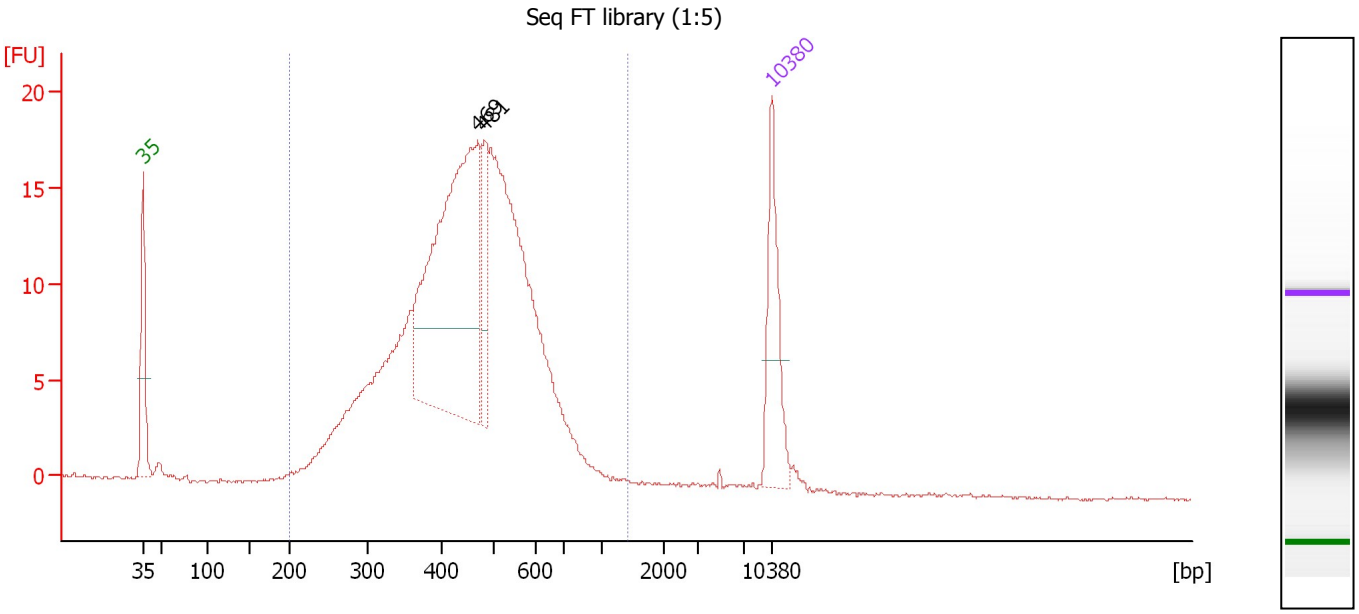
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Seq FT library (1:5)

Number of peaks found:	2	Corr. Area 1:	340.1
Noise:	0.1		

Peak table for sample 6 : Seq FT library (1:5)

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	469	420.10	1,358.2		80.25
3	481	59.78	188.5		80.97
4	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 6 : Seq FT library (1:5)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	461	1,421	340.1	98	27.6	1,542.96	5,597.4	

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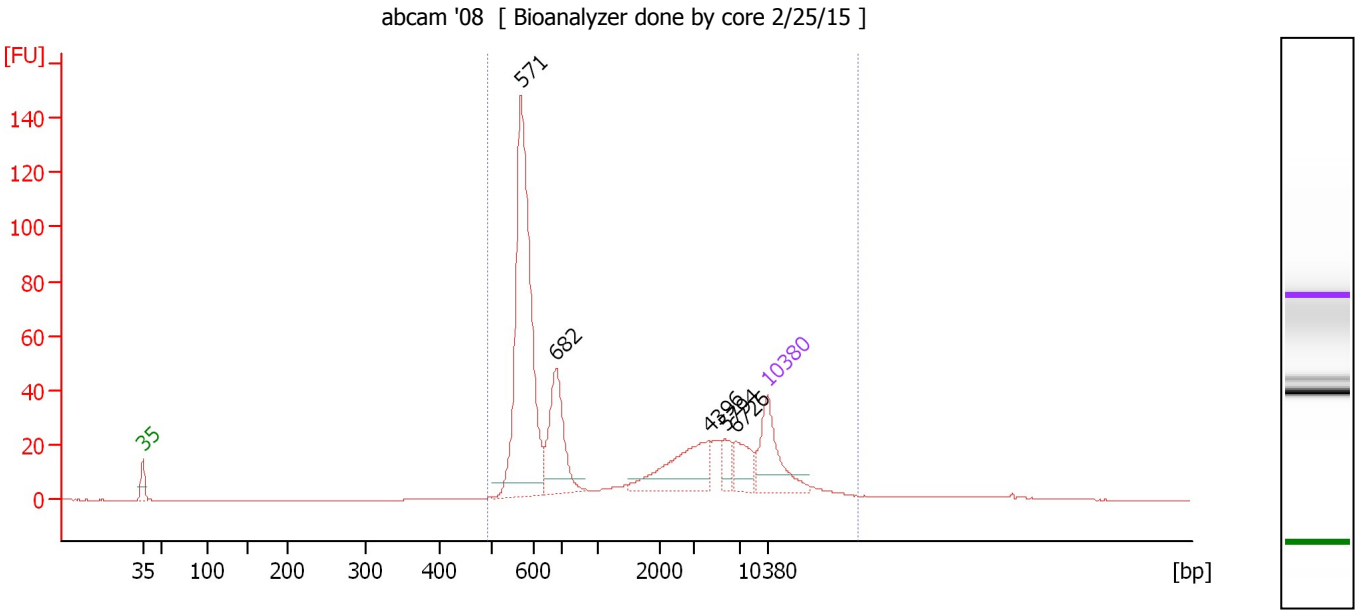
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : abcam '08

Number of peaks found:	5	Corr. Area 1:	679.0
Noise:	0.1		

Peak table for sample 7 : abcam '08

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	571	429.32	1,140.2		85.35
3	682	127.26	282.9		89.29
4	4,396	94.49	32.6		106.43
5	5,794	20.70	5.4		108.22
6	6,726	38.32	8.6		109.42
7	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 7 : abcam '08

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
490	3,566	20,912	679.0	96	100.0	854.92	1,604.1	

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Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Gel Image

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Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

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.

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Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad

Created: 2/25/2015 9:26:40 AM
Modified: 2/25/2015 10:00:39 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 8)		Instrument	Run		2/25/2015 9:56:32 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-02-25\2015-02-25_001.xad)		Instrument	Run		2/25/2015 9:26:45 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/25/2015 9:26:45 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/25/2015 9:26:45 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/25/2015 9:26:45 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/25/2015 9:26:45 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/25/2015 9:26:45 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/25/2015 9:26:45 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1

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