

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-17\2014-07-17_002.xad

Created: 7/17/2014 11:24:52 AM
Modified: 7/17/2014 11:51:54 AM

Electrophoresis File Run Summary

Instrument Information:

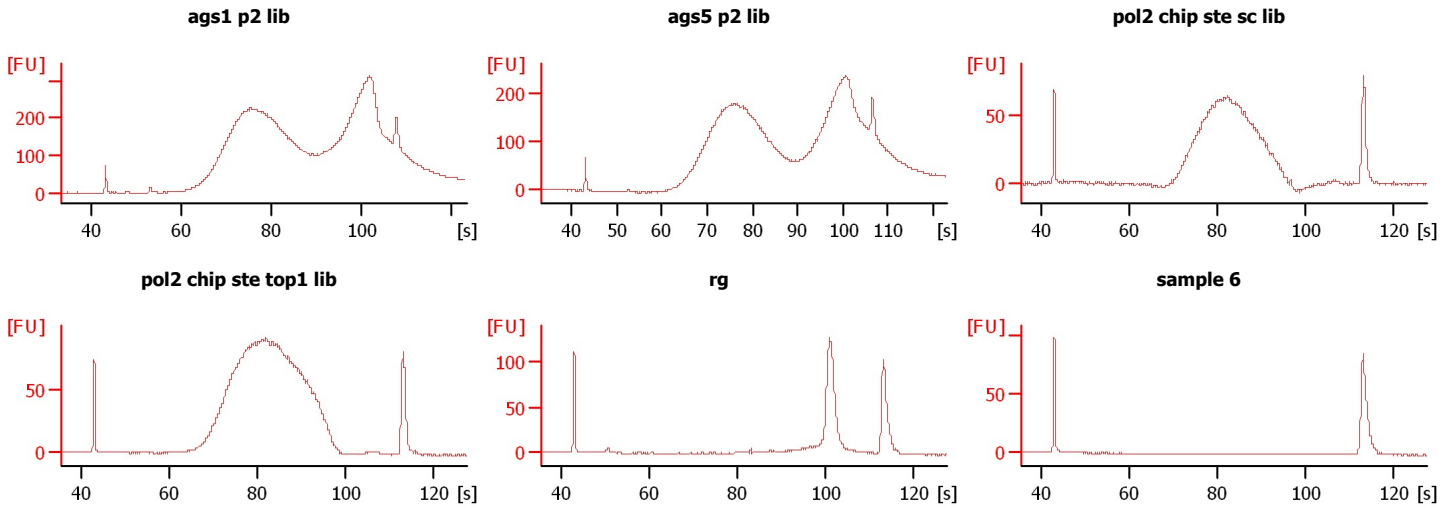
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
ags1 p2 lib		<input type="checkbox"/>	✓			
ags5 p2 lib		<input type="checkbox"/>	✓			
pol2 chip ste sc lib		<input type="checkbox"/>	✓			
pol2 chip ste top1 lib		<input type="checkbox"/>	✓			
rg		<input type="checkbox"/>	✓			
sample 6		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

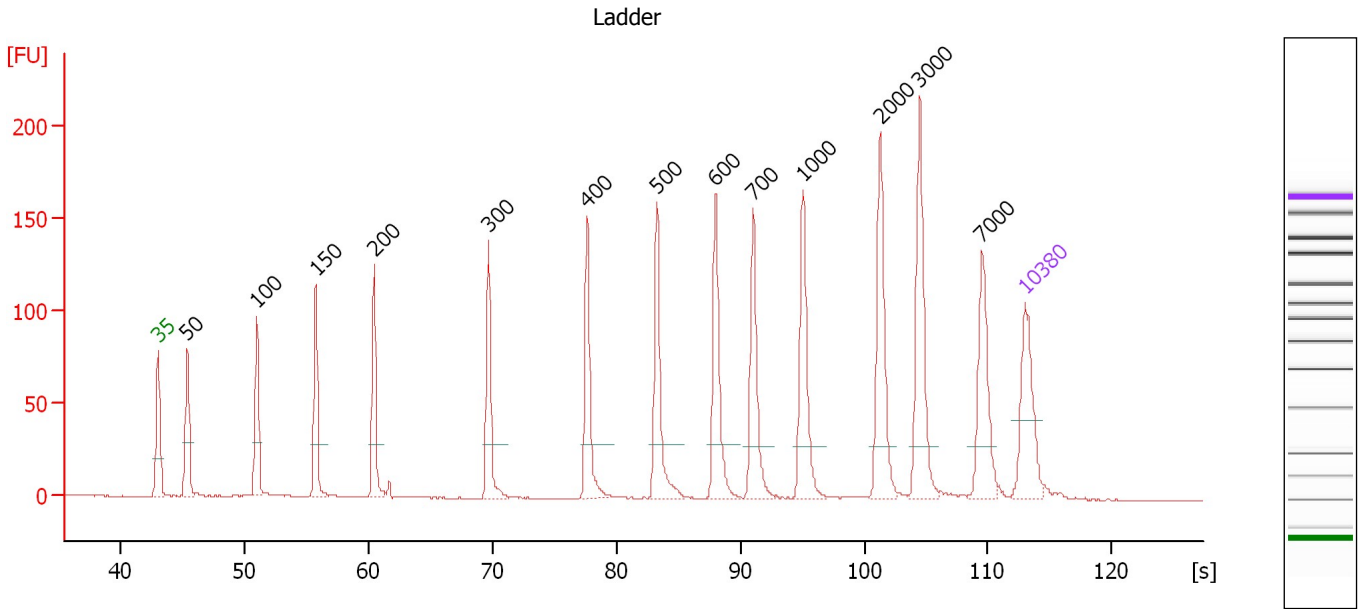
Ladder

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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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

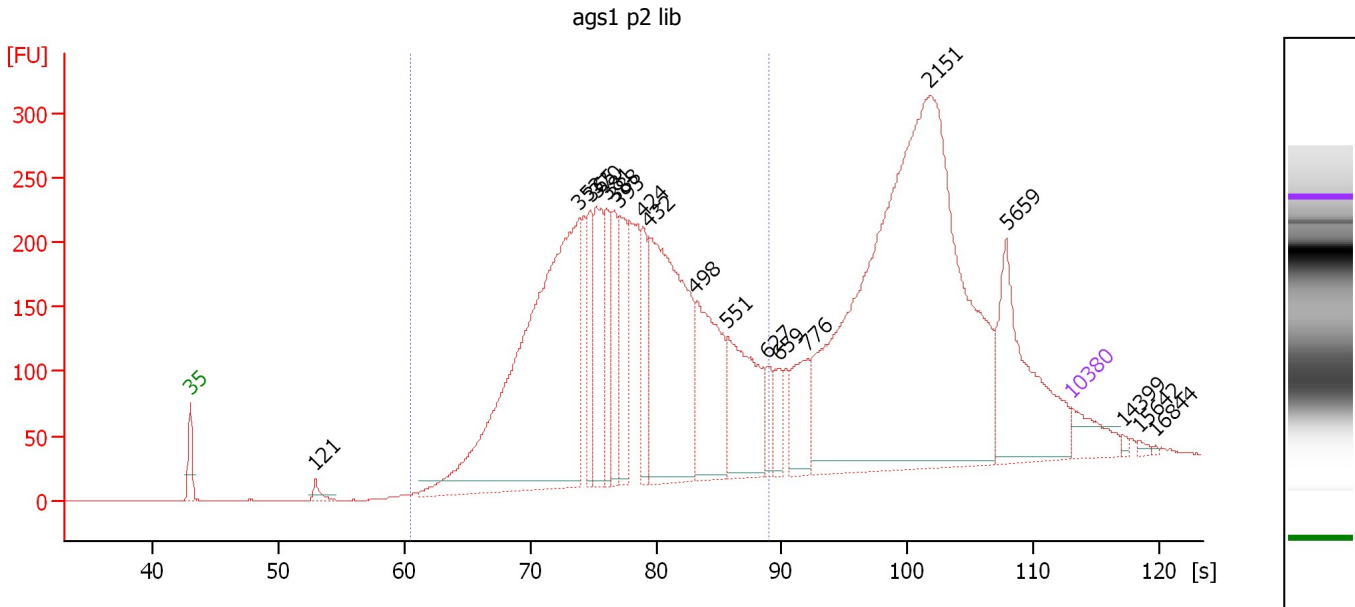
Peak table for Ladder

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

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Electropherogram Summary Continued ...



Overall Results for sample 1 : ags1 p2 lib

Number of peaks found: 19 Corr. Area 1: 4,654.0
 Noise: 0.2

Peak table for sample 1 : ags1 p2 lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	32.94	413.4	
3	353	1,819.32	7,813.9	
4	365	195.12	811.1	
5	370	278.62	1,141.4	
6	381	189.26	753.6	
7	388	170.76	666.9	
8	393	228.93	881.9	
9	424	150.63	538.3	
10	432	853.27	2,990.5	
11	498	405.26	1,233.5	
12	551	355.42	976.8	
13	627	57.04	137.9	
14	659	68.14	156.7	
15	776	156.69	306.0	
16	2,151	1,992.94	1,403.6	
17	5,659	372.47	99.7	
18	10,380	75.00	10.9	Upper Marker
19	14,399	0.00	0.0	
20	15,642	0.00	0.0	
21	16,844	0.00	0.0	

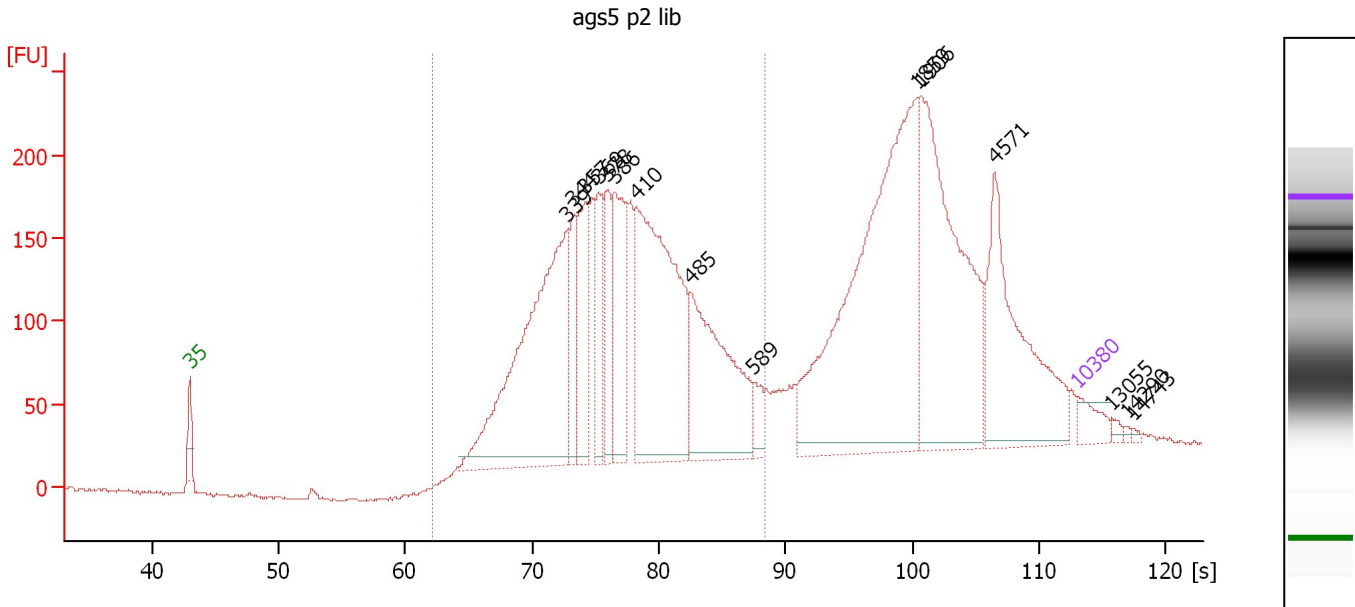
Region table for sample 1 : ags1 p2 lib

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
60.44	88.97	409	19,553.2	4,927.52	█	4,654.0	57	21.8

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Electropherogram Summary Continued ...



Overall Results for sample 2 : ags5 p2 lib

Number of peaks found: 15 Corr. Area 1: 3,389.5
 Noise: 0.7

Peak table for sample 2 : ags5 p2 lib

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	339	1,781.29	7,959.6	
3	344	285.19	1,254.7	
4	357	445.17	1,891.7	
5	369	314.81	1,291.7	
6	378	291.18	1,167.9	
7	386	506.05	1,987.9	
8	410	1,482.94	5,482.5	
9	485	880.82	2,749.2	
10	589	87.56	225.2	
11	1,859	1,764.53	1,438.3	
12	1,906	1,153.59	916.8	
13	4,571	698.78	231.6	
14	10,380	75.00	10.9	Upper Marker
15	13,055	0.00	0.0	
16	14,290	0.00	0.0	
17	14,743	0.00	0.0	

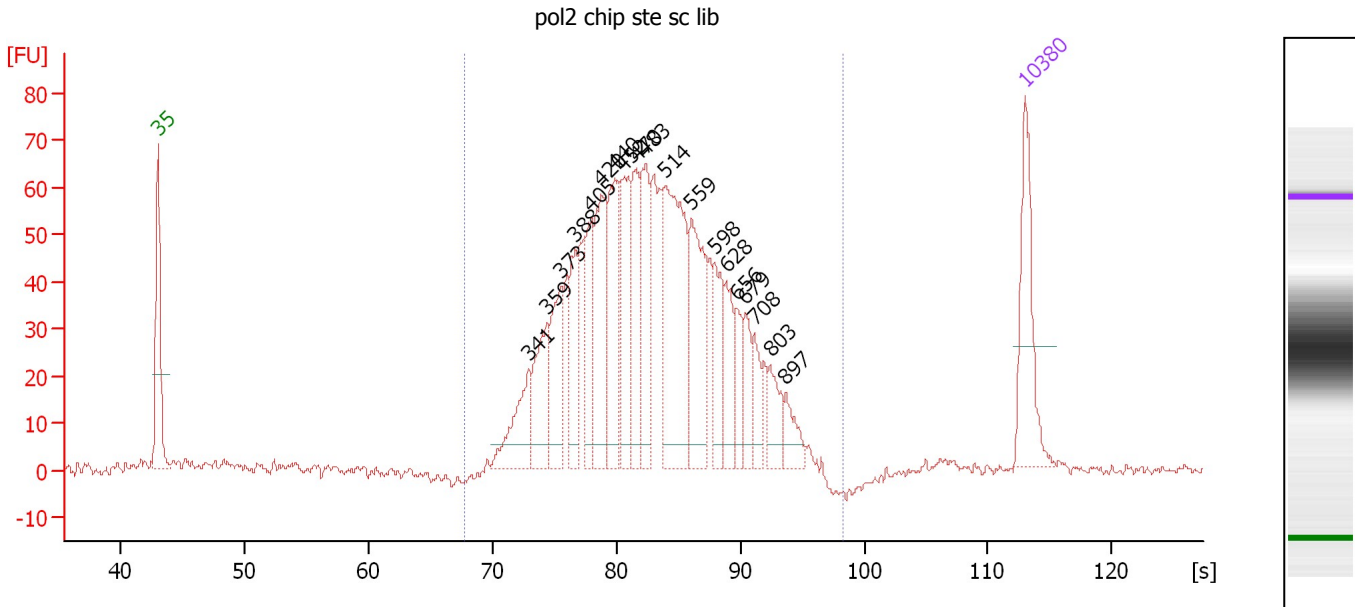
Region table for sample 2 : ags5 p2 lib

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
62.18	88.33	400	27,089.0	6,760.93	■	3,389.5	55	20.2

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Electropherogram Summary Continued ...



Overall Results for sample 3 : pol2 chip ste sc lib

Number of peaks found: 19 Corr. Area 1: 1,199.2
 Noise: 1.1

Peak table for sample 3 : pol2 chip ste sc lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	341	68.37	304.1	
3	359	79.09	334.0	
4	373	79.92	324.8	
5	388	68.23	266.3	
6	405	72.26	270.5	
7	420	111.70	403.1	
8	440	97.58	336.1	
9	452	99.04	332.2	
10	470	78.45	252.9	
11	483	93.62	293.4	
12	514	198.70	585.7	
13	559	116.29	314.9	
14	598	55.45	140.5	
15	628	47.37	114.3	
16	656	30.51	70.5	
17	679	37.32	83.3	
18	708	28.39	60.7	
19	803	32.94	62.2	
20	897	24.36	41.1	
21	10,380	75.00	10.9	Upper Marker

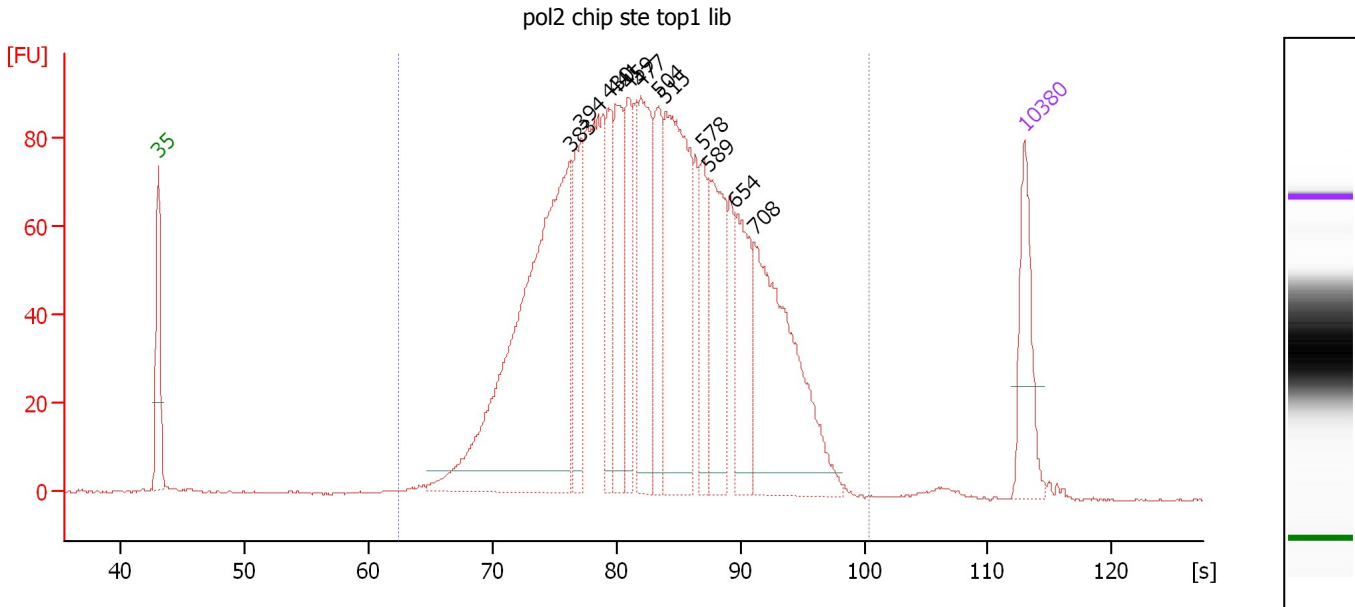
Region table for sample 3 : pol2 chip ste sc lib

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
67.74	98.38	510	5,362.8	1,673.39	■	1,199.2	98	25.9

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Electropherogram Summary Continued ...



Overall Results for sample 4 : pol2 chip ste top1 lib

Number of peaks found: 12 Corr. Area 1: 2,202.6
 Noise: 0.3

Peak table for sample 4 : pol2 chip ste top1 lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	383	646.33	2,557.2	
3	394	108.84	418.3	
4	430	89.19	314.5	
5	441	123.87	425.9	
6	459	96.39	318.0	
7	477	175.23	556.7	
8	504	110.18	331.4	
9	515	308.95	909.6	
10	578	74.32	194.7	
11	589	145.28	373.5	
12	654	118.09	273.7	
13	708	305.74	654.0	
14	10,380	75.00	10.9	Upper Marker

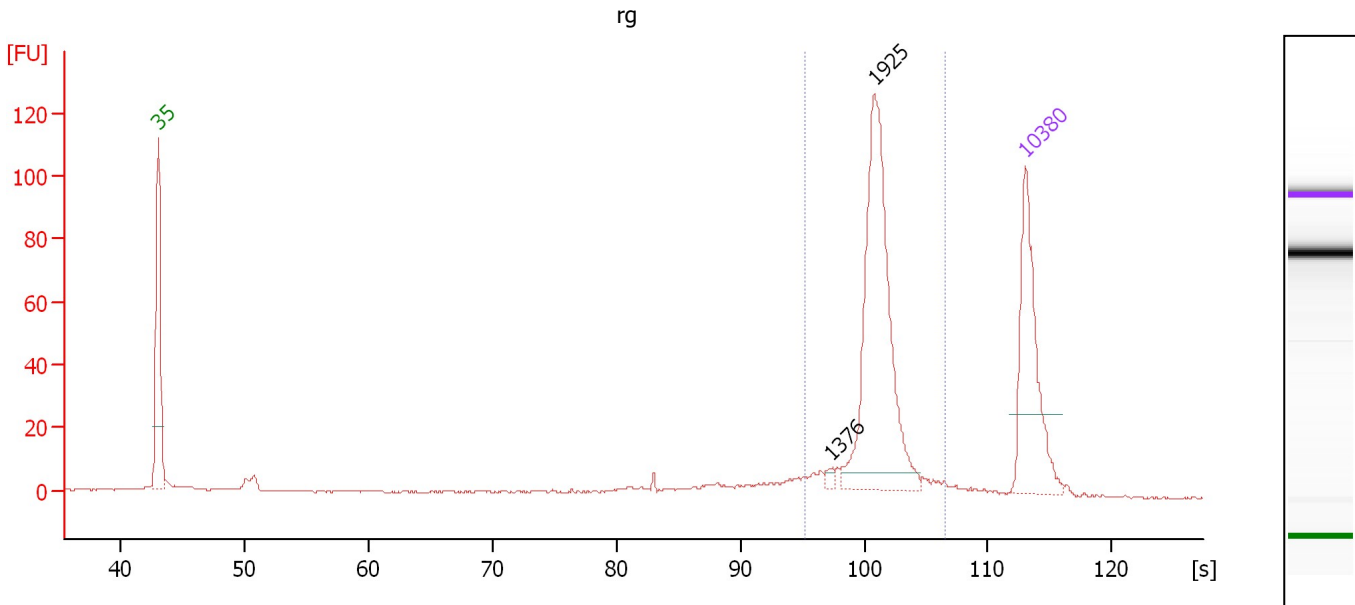
Region table for sample 4 : pol2 chip ste top1 lib

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
62.38	100.36	525	9,299.8	2,821.00	2,202.6	99	35.5

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Electropherogram Summary Continued ...



Overall Results for sample 5 : rg

Number of peaks found: 2 Corr. Area 1: 331.3
 Noise: 0.2

Peak table for sample 5 : rg

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,376	2.98	3.3	
3	1,925	162.83	128.2	
4	10,380	75.00	10.9	Upper Marker

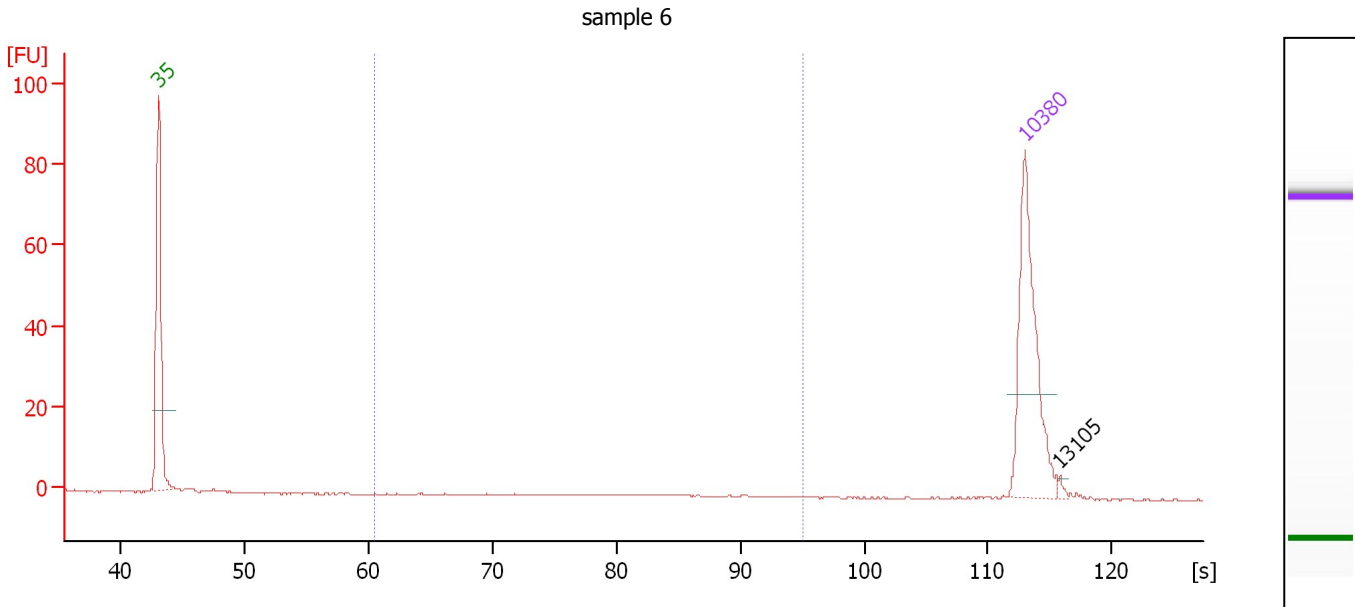
Region table for sample 5 : rg

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
95.24	106.56	2,030	145.1	189.02	331.3	75	22.1

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Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 1 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 6 : sample 6

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
3	13,105	0.00	0.0	

Region table for sample 6 : sample 6

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
60.44	95.06	0	0.0	0.00	0.0	0	0	0.0

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Gel Image

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Invalid Samples

Sample 7 has not been run, no results available.

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.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-17\2014-07-17_002.xad

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		7/17/2014 11:51:52 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-07-17\2014-07-17_002.xad)		Instrument	Run		7/17/2014 11:24:58 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/17/2014 11:24:58 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/17/2014 11:24:58 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/17/2014 11:24:58 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/17/2014 11:24:58 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/17/2014 11:24:58 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/17/2014 11:24:58 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1