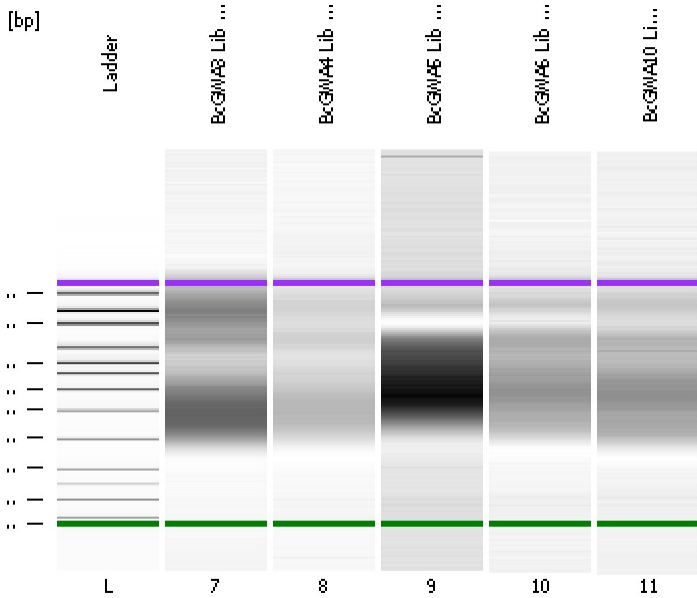


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
Modified: 1/8/2014 6:30:15 PM

Electrophoresis File Run Summary



Instrument Information:

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

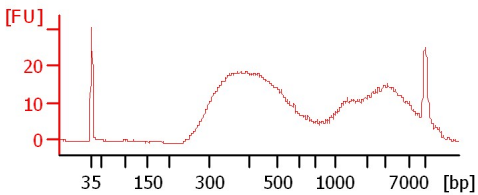
Assay Information:

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

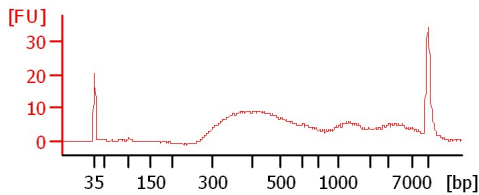
Chip Information:

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

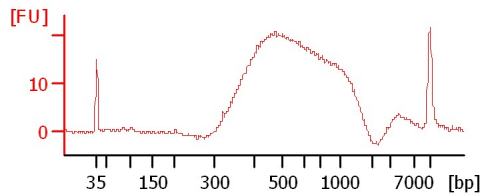
BcGWA3 Lib 1:8



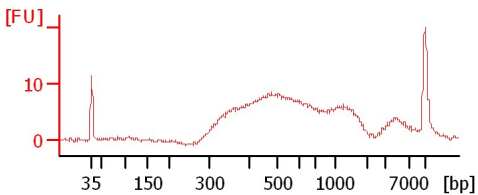
BcGWA4 Lib 1:8



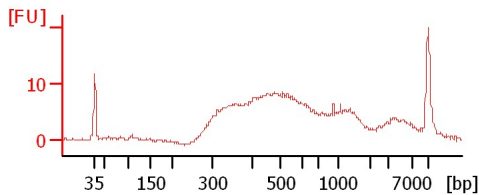
BcGWA5 Lib 1:7



BcGWA6 Lib 1:7



BcGWA10 Lib 1:5



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:30:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
BcGWA3 Lib 1:8		<input type="checkbox"/>	✓			
BcGWA4 Lib 1:8		<input type="checkbox"/>	✓			
BcGWA5 Lib 1:7		<input type="checkbox"/>	✓			
BcGWA6 Lib 1:7		<input type="checkbox"/>	✓			
BcGWA10 Lib 1:5		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
Modified: 1/8/2014 6:30:15 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

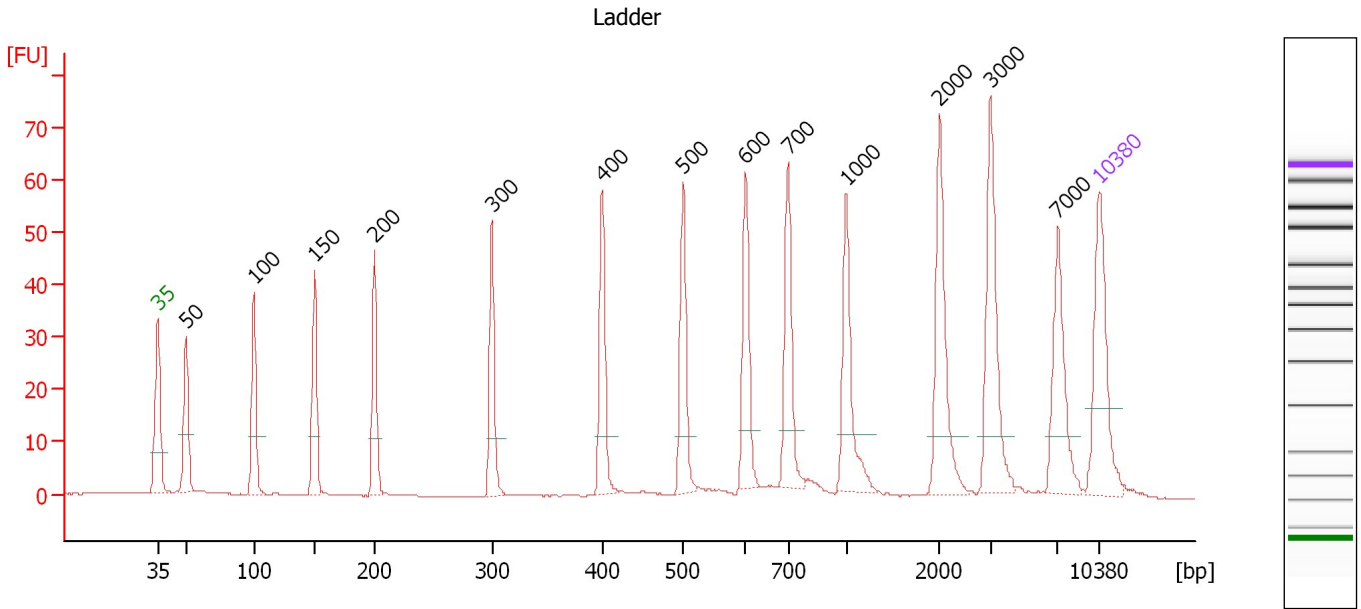
Ladder

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:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:30:15 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

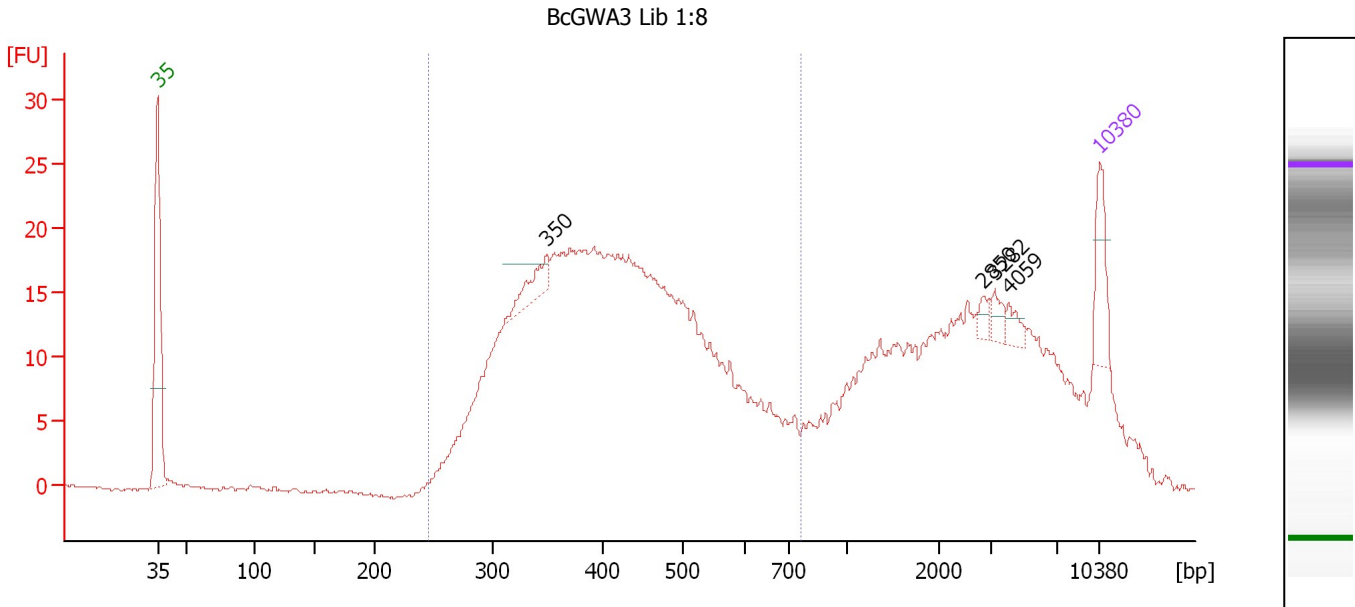
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.09	50	150.00	4,545.5	Ladder Peak
3	50.15	100	150.00	2,272.7	Ladder Peak
4	54.64	150	150.00	1,515.2	Ladder Peak
5	59.13	200	150.00	1,136.4	Ladder Peak
6	67.85	300	150.00	757.6	Ladder Peak
7	76.04	400	150.00	568.2	Ladder Peak
8	82.05	500	150.00	454.5	Ladder Peak
9	86.69	600	150.00	378.8	Ladder Peak
10	89.82	700	150.00	324.7	Ladder Peak
11	94.16	1,000	150.00	227.3	Ladder Peak
12	101.10	2,000	150.00	113.6	Ladder Peak
13	104.86	3,000	150.00	75.8	Ladder Peak
14	109.87	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:30:15 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 7 : BcGWA3 Lib 1:8

Height Threshold [FU] : 2

Overall Results for sample 7 : BcGWA3 Lib 1:8

Number of peaks found: 4 Corr. Area 1: 390.8
 Noise: 0.1

Peak table for sample 7 : BcGWA3 Lib 1:8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	71.93	350	71.42	309.4	
3	104.29	2,850	18.15	9.7	
4	105.21	3,282	23.88	11.0	
5	106.18	4,059	22.73	8.5	
6	113.00	10,380	75.00	10.9	Upper Marker

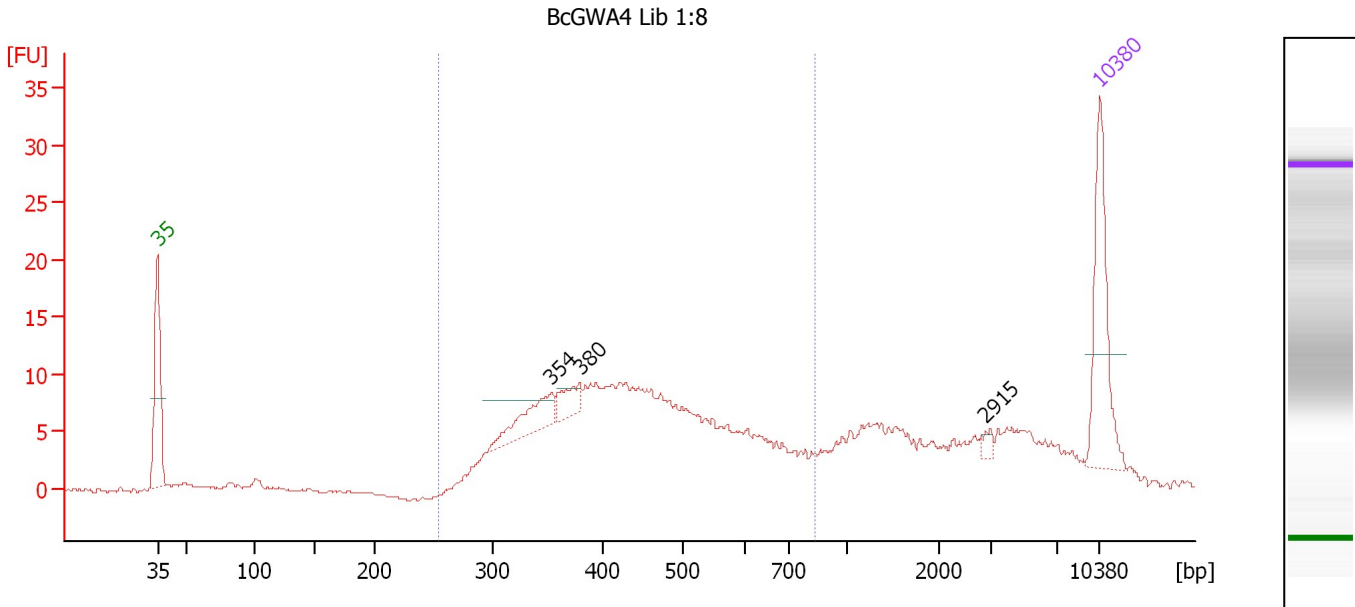
Region table for sample 7 : BcGWA3 Lib 1:8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
247	764	428	14,551.8	3,815.01	390.8	64	24.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:30:15 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 8 : BcGWA4 Lib 1:8

Height Threshold [FU] : 2

Overall Results for sample 8 : BcGWA4 Lib 1:8

Number of peaks found: 3 Corr. Area 1: 189.2
 Noise: 0.2

Peak table for sample 8 : BcGWA4 Lib 1:8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	72.24	354	44.47	190.5	
3	74.37	380	21.02	83.9	
4	104.54	2,915	4.78	2.5	
5	113.00	10,380	75.00	10.9	Upper Marker

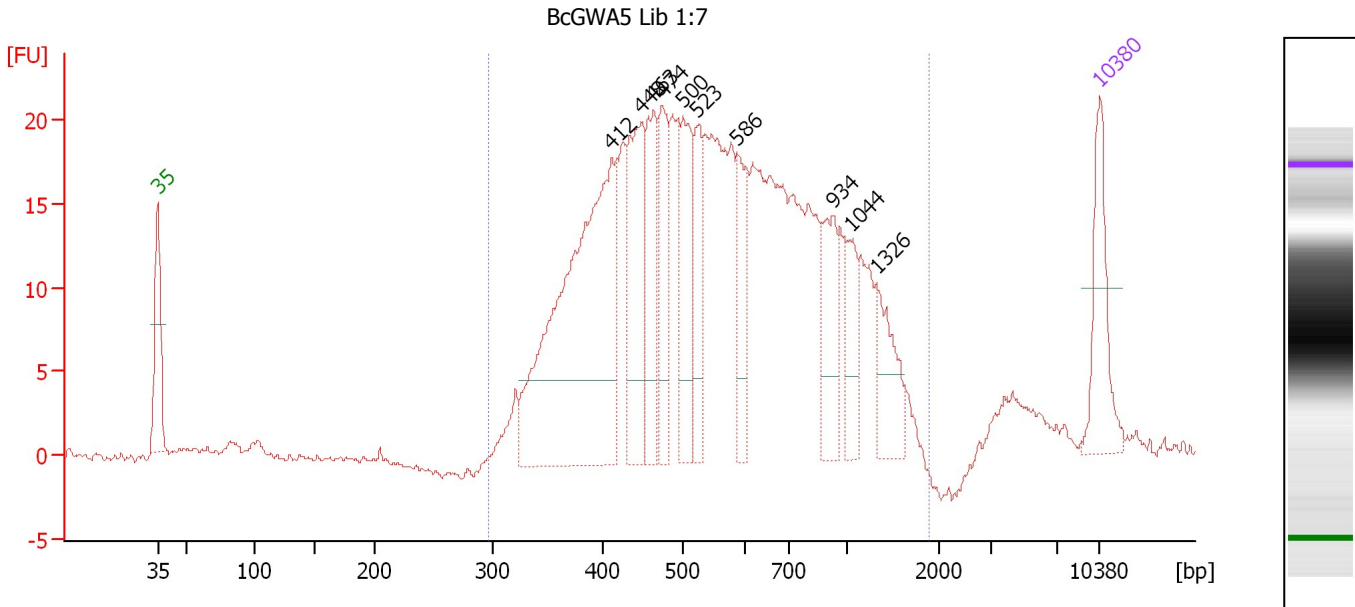
Region table for sample 8 : BcGWA4 Lib 1:8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
255	838	453	2,600.5	717.18	189.2	67	25.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:30:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : BcGWA5 Lib 1:7

Number of peaks found: 10 Corr. Area 1: 454.6
 Noise: 0.2

Peak table for sample 9 : BcGWA5 Lib 1:7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	76.73	412	510.11	1,878.2	
3	78.92	448	152.00	514.1	
4	79.84	463	113.58	371.5	
5	80.48	474	93.18	297.9	
6	82.03	500	115.22	349.3	
7	83.12	523	83.66	242.3	
8	86.06	586	68.95	178.2	
9	93.20	934	76.56	124.2	
10	94.46	1,044	50.38	73.1	
11	96.42	1,326	64.44	73.6	
12	113.00	10,380	75.00	10.9	Upper Marker

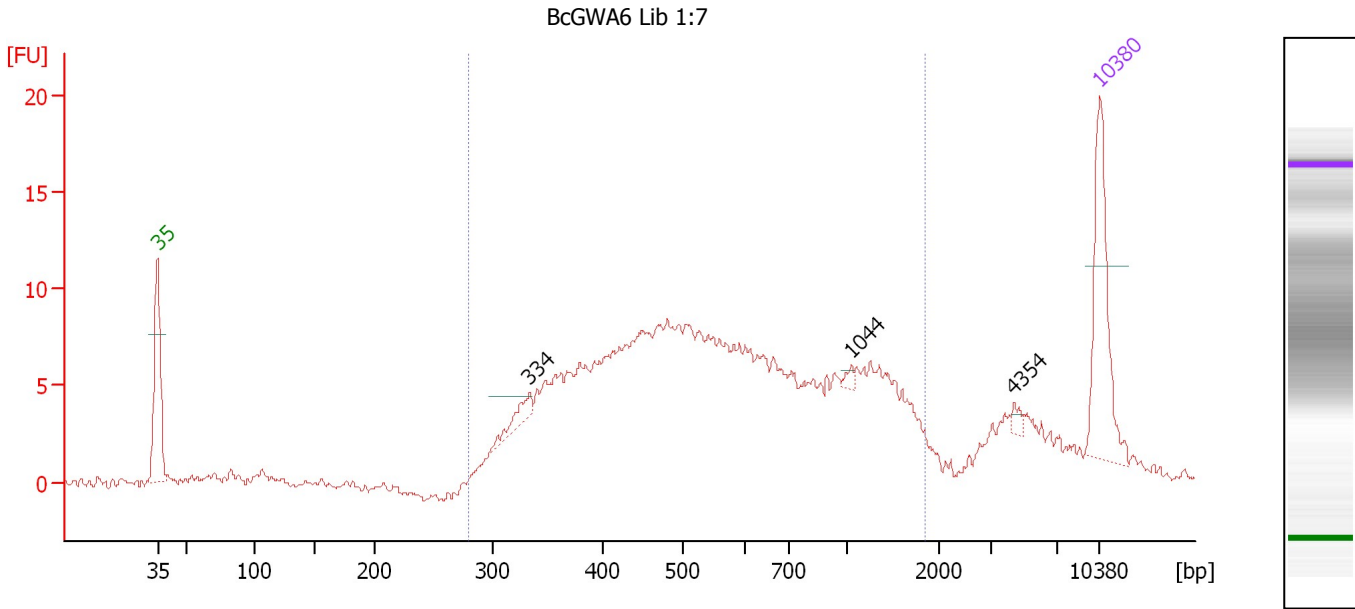
Region table for sample 9 : BcGWA5 Lib 1:7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
296	1,891	627	6,581.1	2,274.35	454.6	96	44.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:30:15 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 10 : BcGWA6 Lib 1:7

Height Threshold [FU] : 1

Overall Results for sample 10 : BcGWA6 Lib 1:7

Number of peaks found: 3 Corr. Area 1: 203.6
 Noise: 0.2

Peak table for sample 10 : BcGWA6 Lib 1:7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	70.63	334	16.99	77.1	
3	94.46	1,044	3.79	5.5	
4	106.55	4,354	4.93	1.7	
5	113.00	10,380	75.00	10.9	Upper Marker

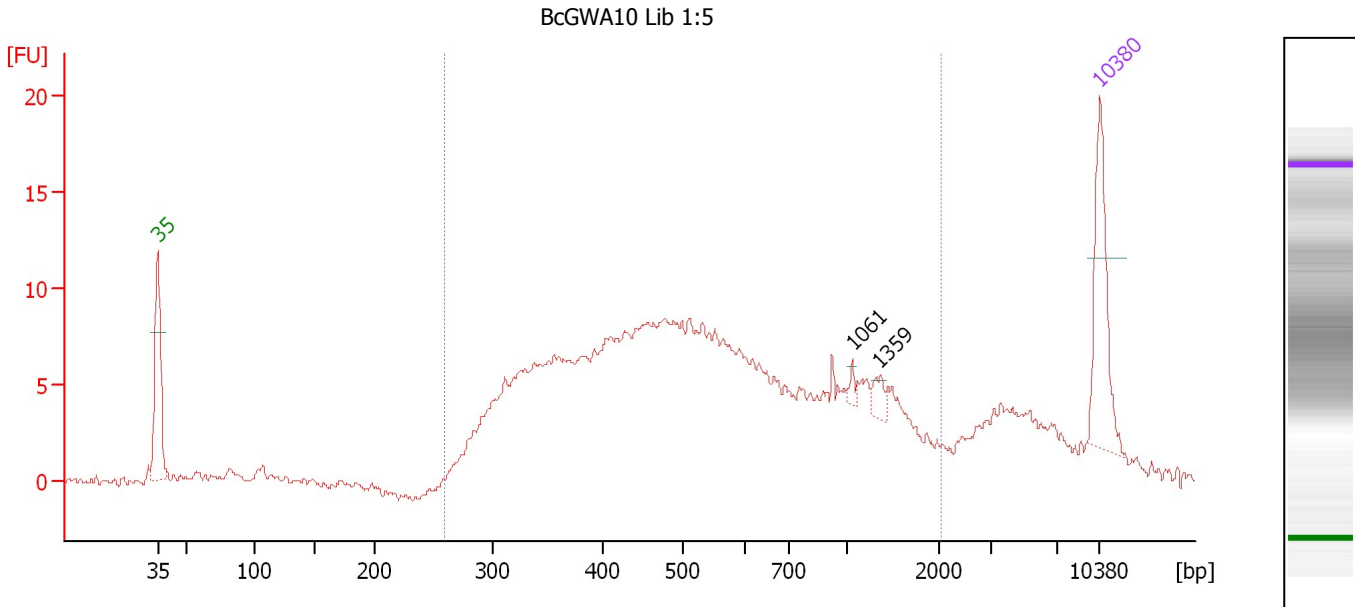
Region table for sample 10 : BcGWA6 Lib 1:7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
280	1,842	658	3,485.7	1,168.33	203.6	89	53.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:30:15 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 11 : BcGWA10 Lib 1:5

Height Threshold [FU] : 2

Overall Results for sample 11 : BcGWA10 Lib 1:5

Number of peaks found: 2 Corr. Area 1: 221.3
 Noise: 0.3

Peak table for sample 11 : BcGWA10 Lib 1:5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	94.58	1,061	5.50	7.9	
3	96.65	1,359	10.67	11.9	
4	113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : BcGWA10 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
260	2,038	624	4,812.6	1,497.49	221.3	87	57.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Settings\Bioanalyzer\2014-01-08\2014-01-08_004_BcGW_Lib.xad

Created: 1/8/2014 5:26:37 PM
Modified: 1/8/2014 6:30:15 PM

Gel Image

