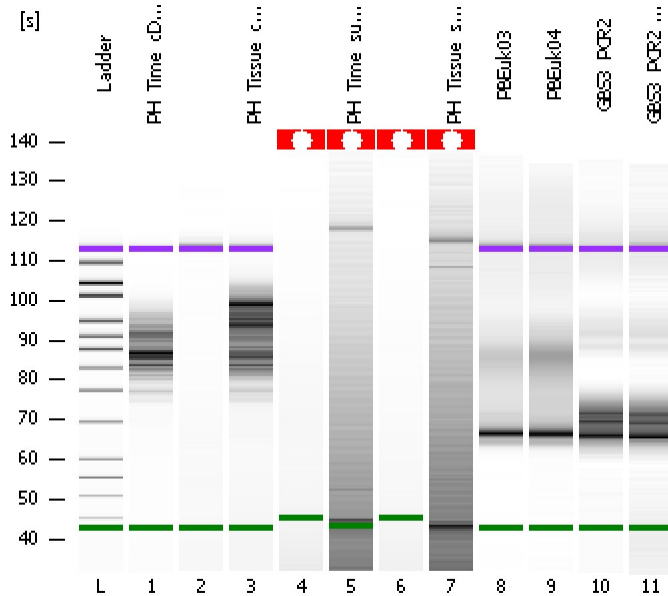


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
Modified: 1/31/2018 11:37:47 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

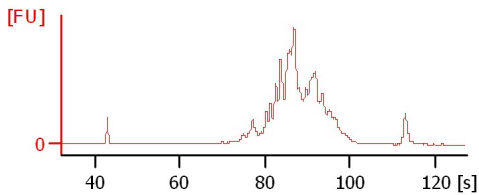
Assay Information:

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

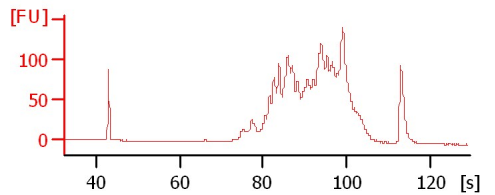
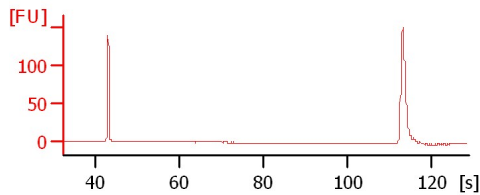
Chip Information:

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

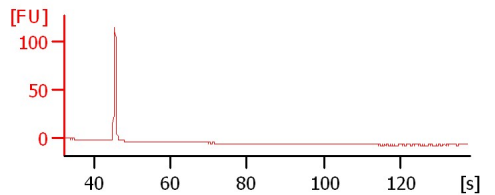
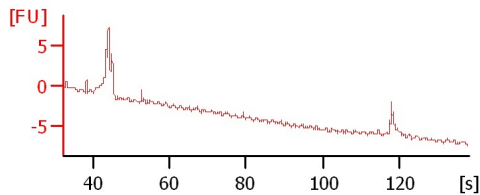
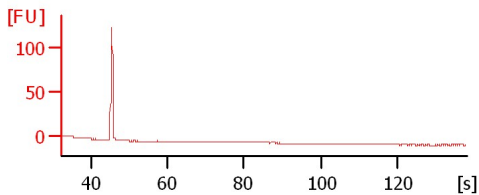
PH_Time_cDNA



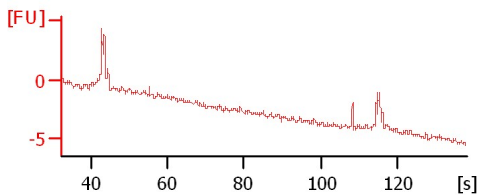
PH_Tissue_cDNA



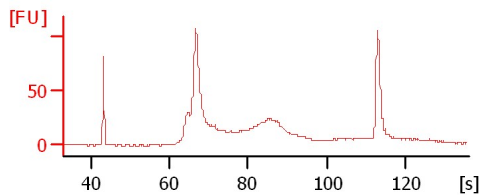
PH_Time_supernatant



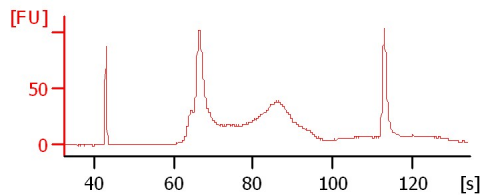
PH_Tissue_supernatant



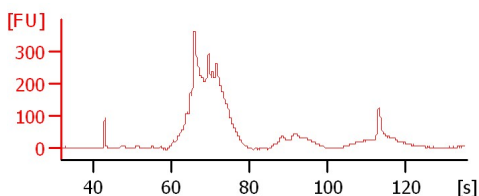
PBEuk03



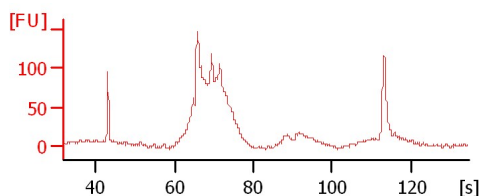
PBEuk04



GBS3_PCR2



GBS3_PCR2 (1:3)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
Modified: 1/31/2018 11:37:47 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PH_Time_cDNA		<input type="checkbox"/>	✓			
PH_Tissue_cDNA		<input type="checkbox"/>	✓			
PH_Time_supernatant		<input type="checkbox"/>	✓			
PH_Tissue_supernatant		<input type="checkbox"/>	✓			
PBEuk03		<input type="checkbox"/>	✓			
PBEuk04		<input type="checkbox"/>	✓			
GBS3_PCR2		<input type="checkbox"/>	✓			
GBS3_PCR2 (1:3)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

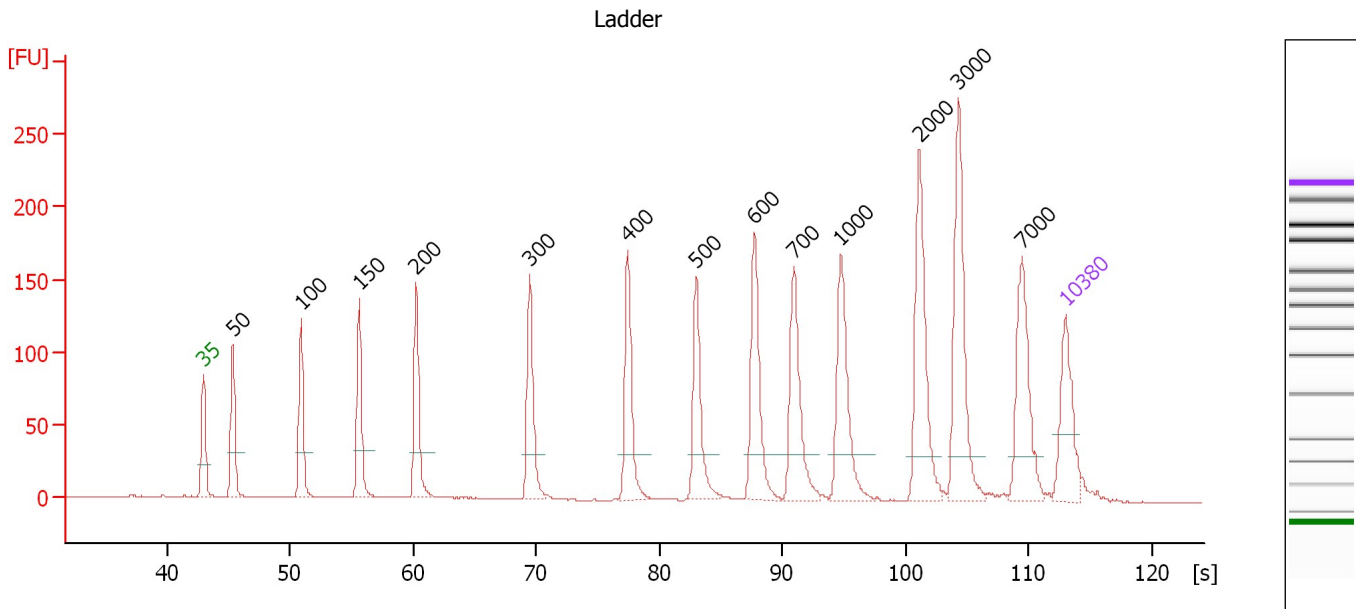
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

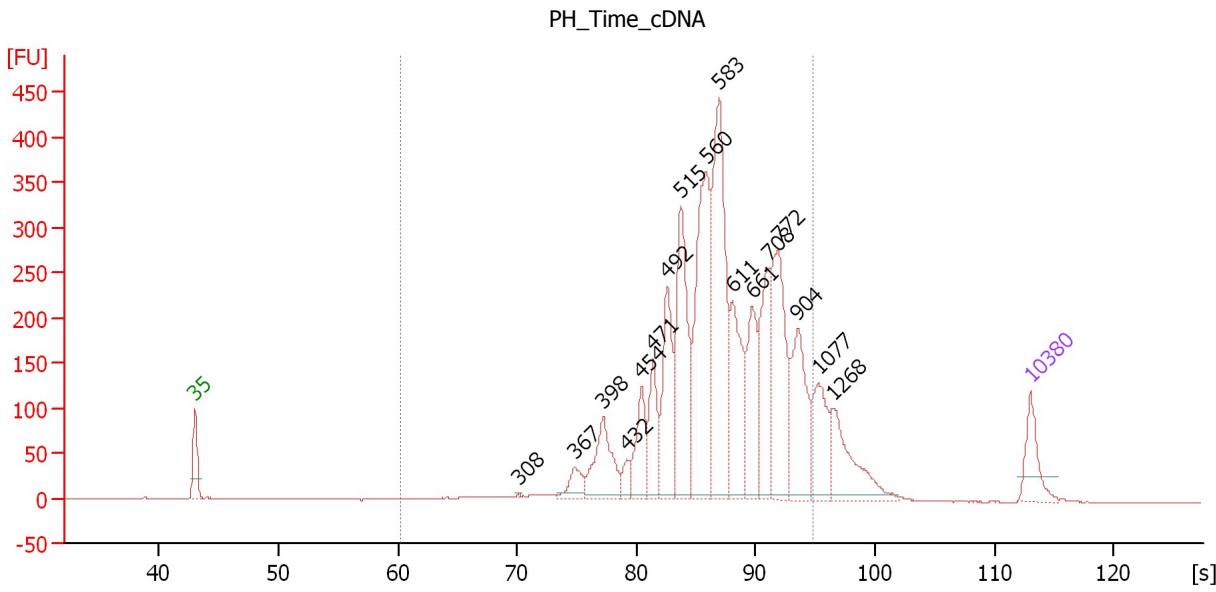
Peak table for Ladder

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	45.40
3	100	150.00	2,272.7	Ladder Peak	50.93
4	150	150.00	1,515.2	Ladder Peak	55.64
5	200	150.00	1,136.4	Ladder Peak	60.26
6	300	150.00	757.6	Ladder Peak	69.50
7	400	150.00	568.2	Ladder Peak	77.43
8	500	150.00	454.5	Ladder Peak	83.01
9	600	150.00	378.8	Ladder Peak	87.72
10	700	150.00	324.7	Ladder Peak	90.95
11	1,000	150.00	227.3	Ladder Peak	94.74
12	2,000	150.00	113.6	Ladder Peak	101.10
13	3,000	150.00	75.8	Ladder Peak	104.28
14	7,000	150.00	32.5	Ladder Peak	109.47
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PH Time cDNA

Number of peaks found: 17 Corr. Area 1: 4,248.9
 Noise: 0.3

Peak table for sample 1 : PH Time cDNA

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	308	2.75	13.5		70.17
3	367	56.49	232.9		74.85
4	398	169.49	646.0		77.24
5	432	34.27	120.2		79.21
6	454	126.67	423.0		80.43
7	471	132.47	426.5		81.37
8	492	227.11	698.8		82.59
9	515	366.99	1,079.9		83.71
10	560	474.55	1,284.4		85.83
11	583	514.61	1,338.0		86.91
12	611	226.83	562.4		88.08
13	661	184.37	422.4		89.70
14	708	208.68	446.6		91.05
15	772	334.63	656.7		91.86
16	904	226.18	379.2		93.52
17	1,077	138.38	194.6		95.23
18	1,268	164.16	196.1		96.44
19	10,380	75.00	10.9	Upper Marker	113.00

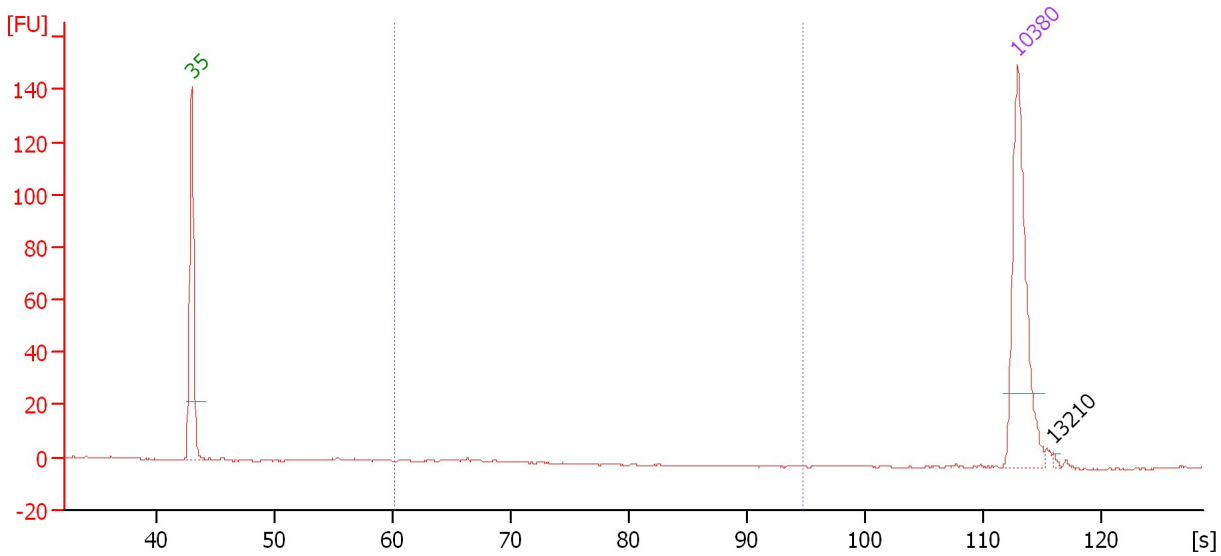
Region table for sample 1 : PH Time cDNA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	605	4,248.9	3,413.24	9,208.1	90	23.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 :

Number of peaks found: 1 Corr. Area 1: 2.0
 Noise: 0.2

Peak table for sample 2 :

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
3	13,210	0.00	0.0		115.96

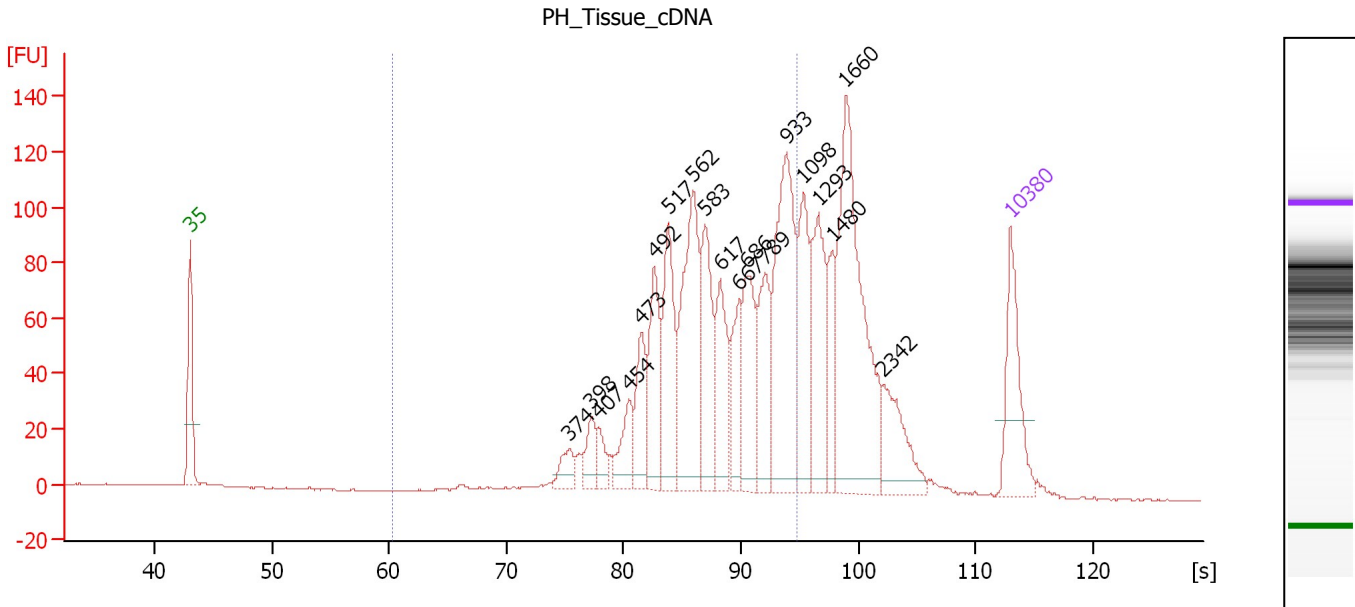
Region table for sample 2 :

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	259	2.0	1.38	8.1	18	6.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PH Tissue cDNA

Number of peaks found: 19 Corr. Area 1: 1,435.9
 Noise: 0.2

Peak table for sample 3 : PH Tissue cDNA

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	374	25.74	104.2		75.39
3	398	30.53	116.3		77.27
4	407	22.08	82.2		77.82
5	454	46.18	154.2		80.43
6	473	66.01	211.3		81.53
7	492	95.46	293.8		82.58
8	517	117.74	345.0		83.82
9	562	191.51	516.4		85.93
10	583	104.17	270.6		86.93
11	617	86.50	212.5		88.26
12	667	59.06	134.3		89.87
13	686	100.73	222.4		90.51
14	789	86.41	166.0		92.06
15	933	204.17	331.4		93.90
16	1,098	96.51	133.1		95.36
17	1,293	104.78	122.8		96.60
18	1,480	52.86	54.1		97.79
19	1,660	252.46	230.5		98.94
20	2,342	63.98	41.4		102.19
21	10,380	75.00	10.9	Upper Marker	113.00

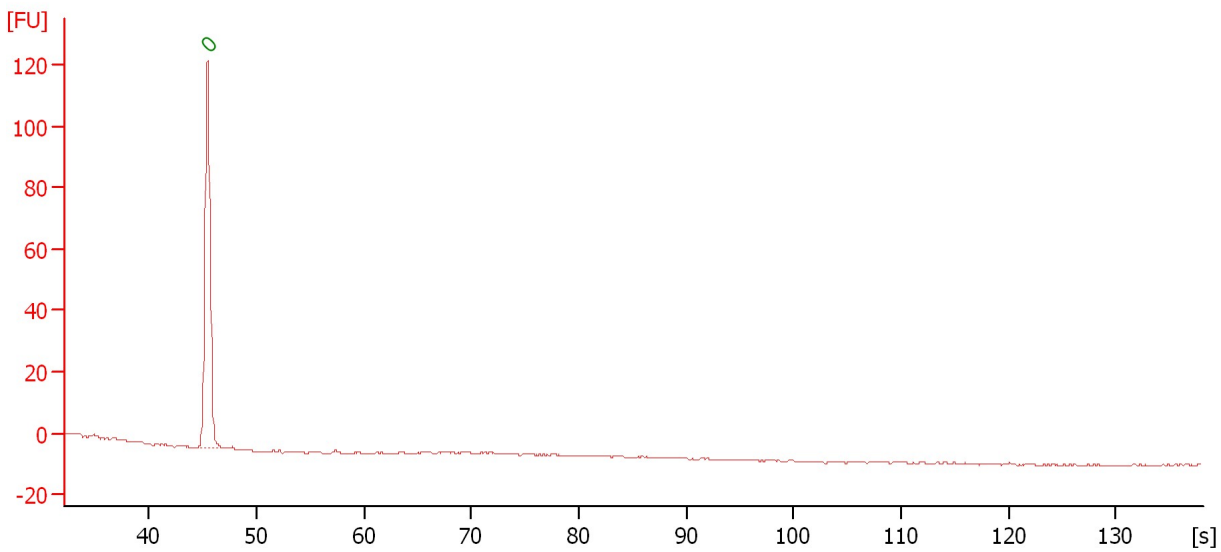
Region table for sample 3 : PH Tissue cDNA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	635	1,435.9	1,297.33	3,390.4	64	26.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 :

Number of peaks found: 0 Noise: 0.2

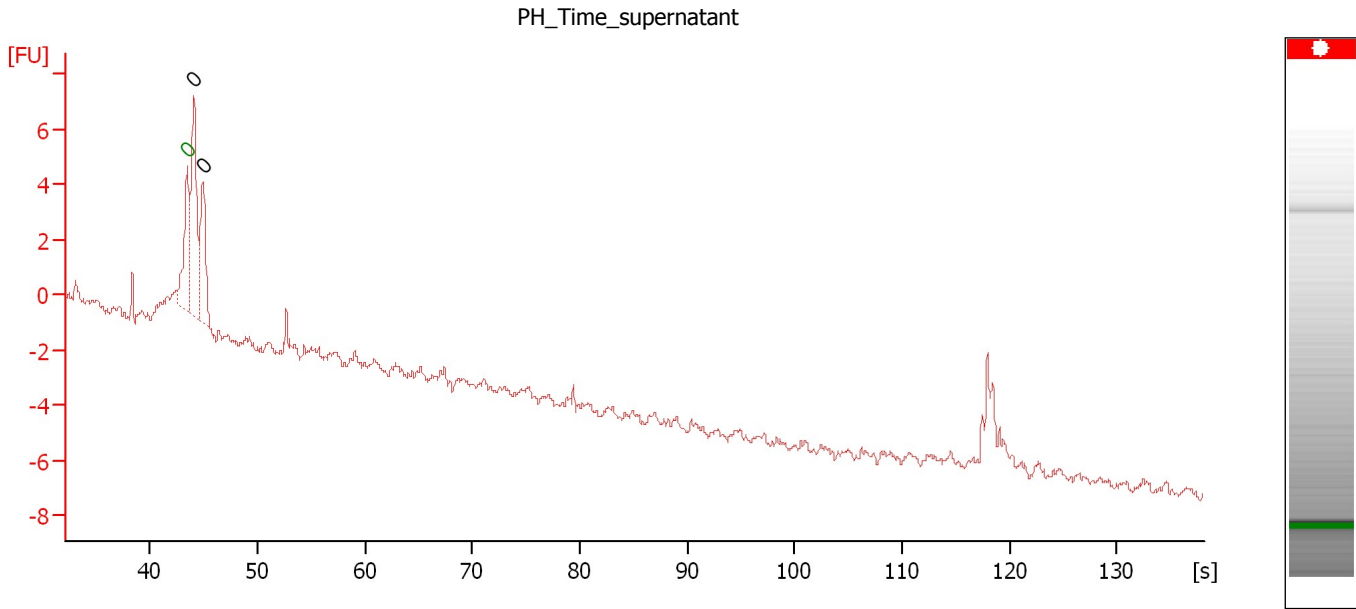
Peak table for sample 4 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	45.45

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PH Time supernatant

Number of peaks found: 2 Noise: 0.2

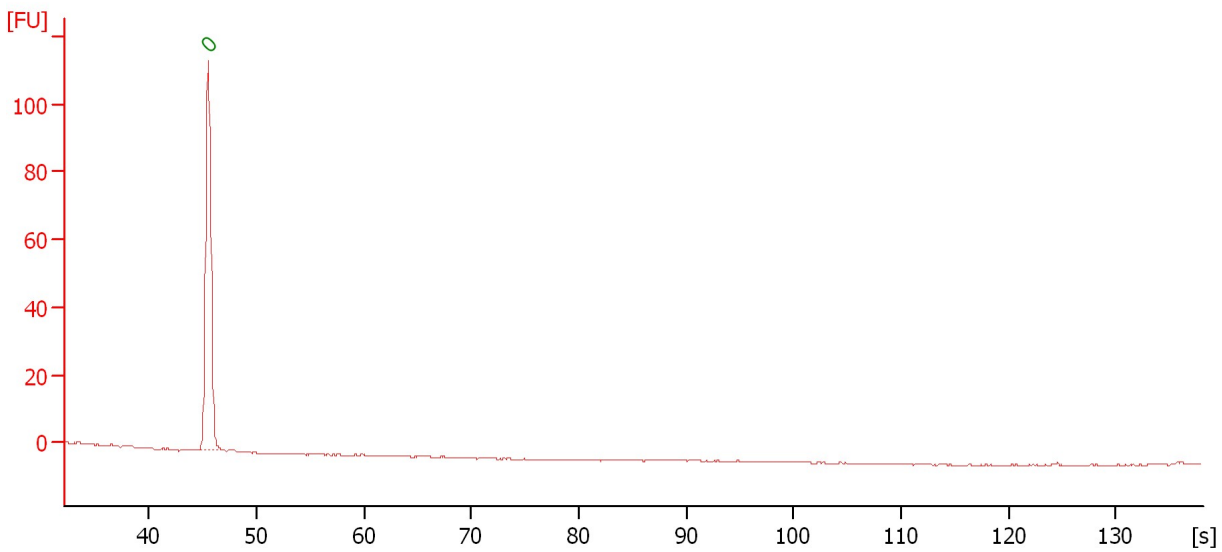
Peak table for sample 5 : PH Time supernatant

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.45
2	0	0.00	0.0		44.10
3	0	0.00	0.0		44.90

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 :

Number of peaks found: 0 Noise: 0.2

Peak table for sample 6 :

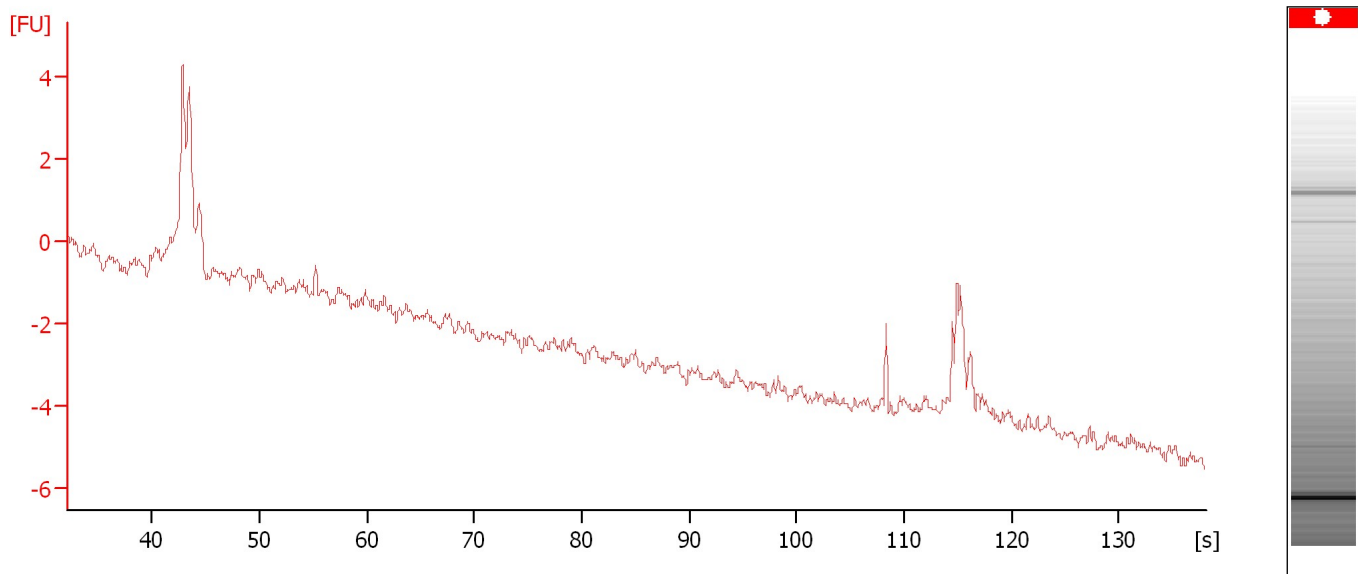
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	45.50

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...

PH_Tissue_supernatant



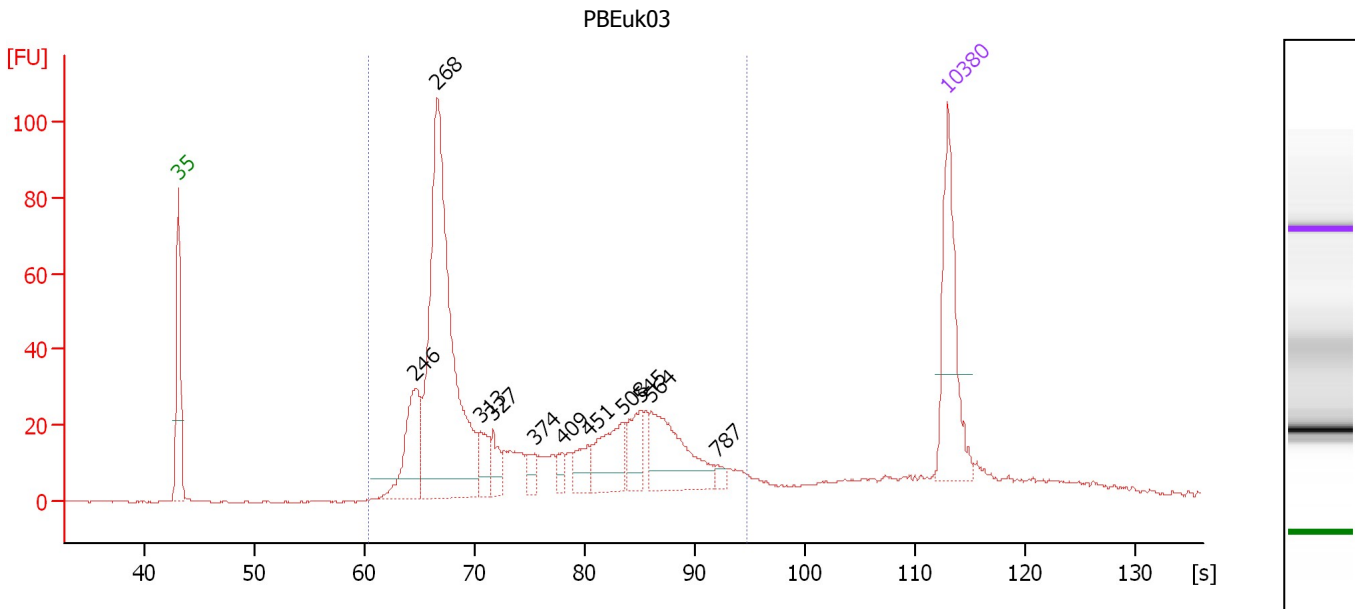
Overall Results for sample 7 : PH Tissue supernatant

Noise: 0.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PBEuk03

Number of peaks found: 11 Corr. Area 1: 875.9
 Noise: 0.2

Peak table for sample 8 : PBEuk03

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	246	82.38	506.7		64.54
3	268	383.74	2,169.4		66.55
4	313	24.23	117.2		70.55
5	327	20.81	96.5		71.63
6	374	13.53	54.8		75.39
7	409	10.19	37.8		77.93
8	451	21.14	71.0		80.27
9	508	50.59	150.8		83.40
10	545	31.88	88.7		85.11
11	564	75.83	203.6		86.04
12	787	5.59	10.8		92.04
13	10,380	75.00	10.9	Upper Marker	113.00

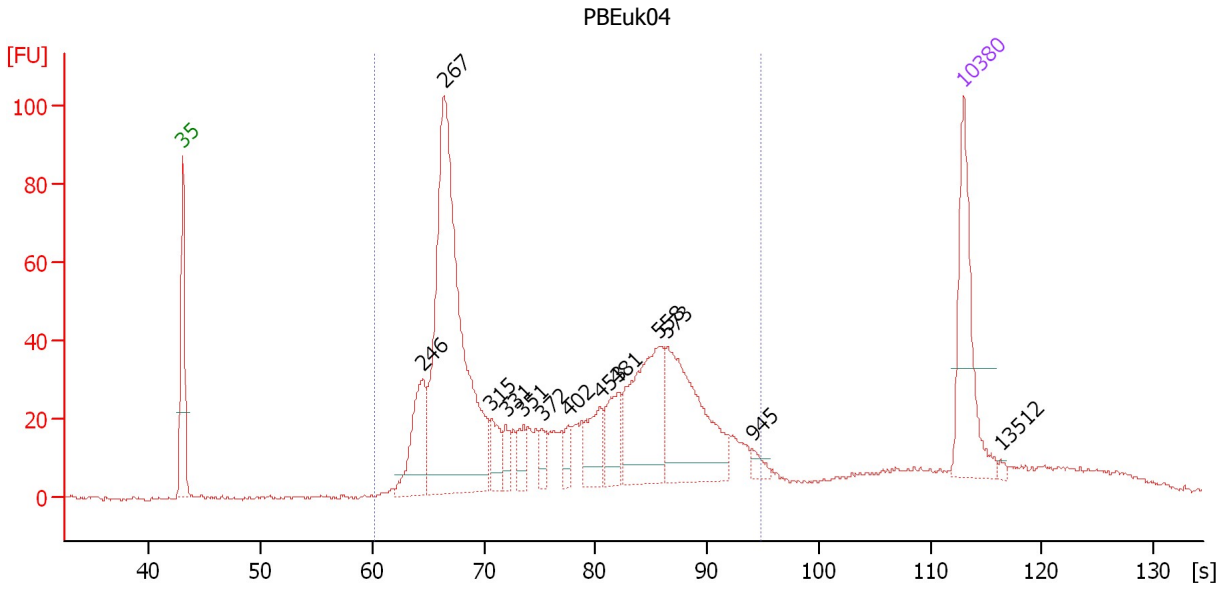
Region table for sample 8 : PBEuk03

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	401	875.9	849.95	3,884.5	87	40.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PBEuk04

Number of peaks found: 13 Corr. Area 1: 1,126.0
 Noise: 0.4

Peak table for sample 9 : PBEuk04

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	246	78.43	483.2		64.51
3	267	435.45	2,473.2		66.43
4	315	27.31	131.5		70.66
5	331	14.98	68.5		71.96
6	351	19.20	82.9		73.55
7	372	12.90	52.6		75.19
8	402	13.29	50.1		77.54
9	453	37.41	125.2		80.38
10	481	38.67	121.7		81.97
11	558	118.00	320.7		85.72
12	573	129.49	342.5		86.44
13	945	7.16	11.5		94.04
14	10,380	75.00	10.9	Upper Marker	113.00
15	13,512	0.00	0.0		116.27

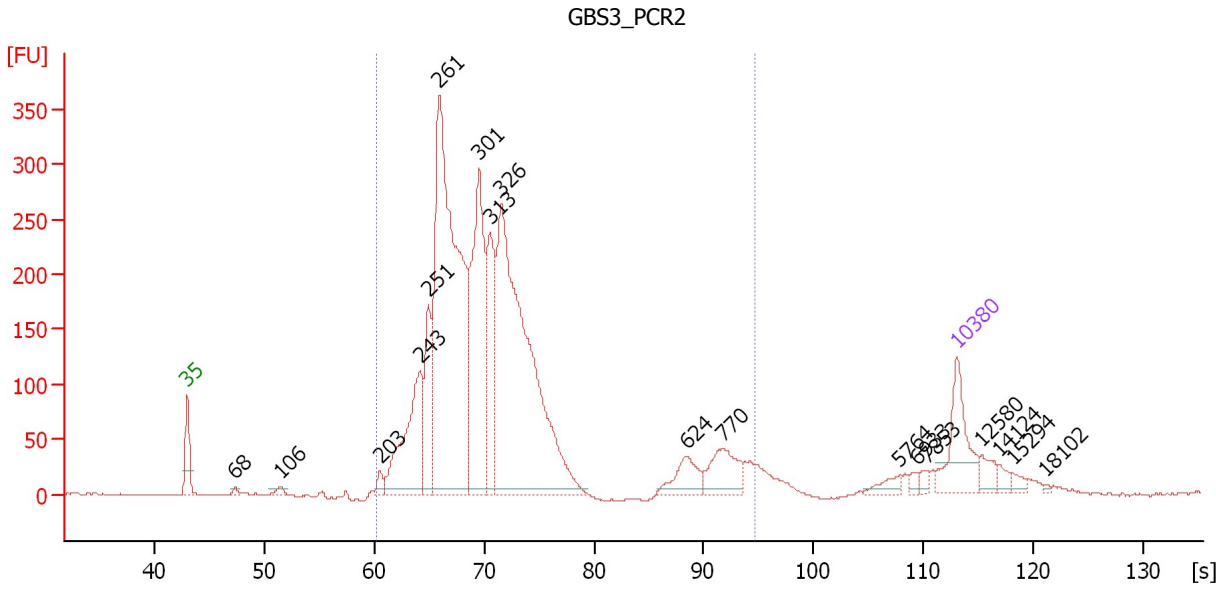
Region table for sample 9 : PBEuk04

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	430	1,126.0	1,085.54	4,694.6	89	39.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : GBS3_PCR2

Number of peaks found: 18 Corr. Area 1: 4,060.9
 Noise: 0.5

Peak table for sample 10 : GBS3_PCR2

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	68	5.61	125.7		47.35
3	106	8.46	120.8		51.51
4	203	16.33	122.1		60.50
5	243	218.66	1,364.5		64.22
6	251	118.92	718.6		64.95
7	261	839.52	4,867.7		65.93
8	301	356.58	1,794.0		69.59
9	313	167.33	808.8		70.57
10	326	750.85	3,485.2		71.60
11	624	46.88	113.7		88.51
12	770	68.03	133.8		91.83
13	5,764	13.94	3.7		107.87
14	6,933	7.25	1.6		109.38
15	7,853	7.19	1.4		110.36
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,580	0.00	0.0		115.30
18	14,124	0.00	0.0		116.91
19	15,294	0.00	0.0		118.13
20	18,102	0.00	0.0		121.07

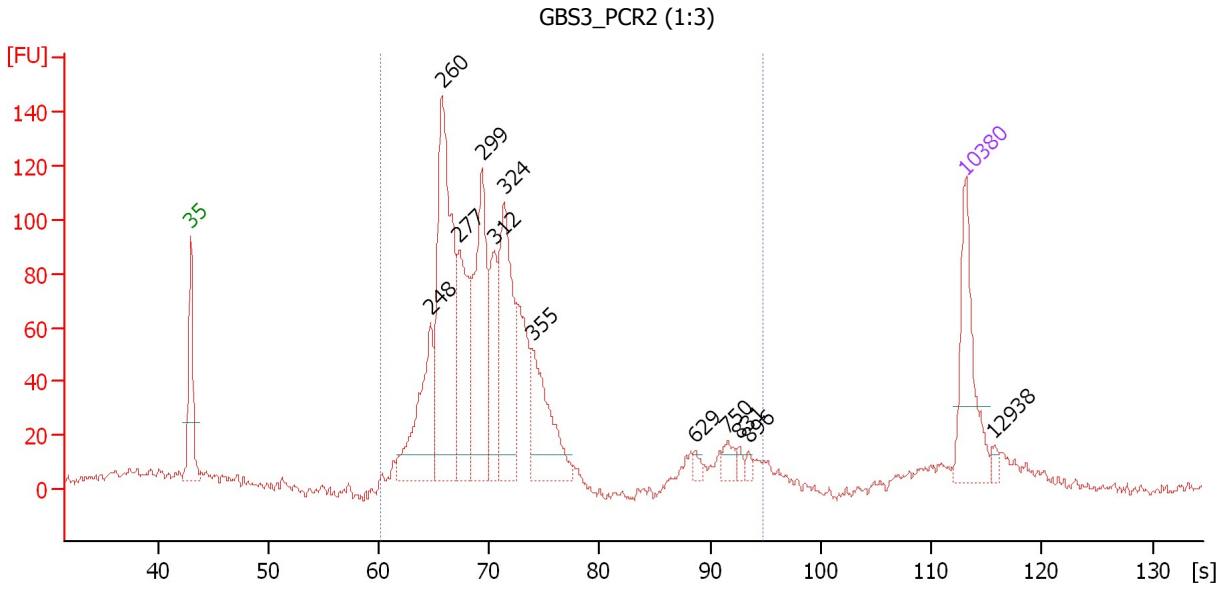
Region table for sample 10 : GBS3_PCR2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	335	4,060.9	2,527.00	12,687.4	94	39.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
 Modified: 1/31/2018 11:37:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : GBS3_PCR2 (1:3)

Number of peaks found: 12 Corr. Area 1: 1,504.1
 Noise: 1.9

Peak table for sample 11 : GBS3_PCR2 (1:3)

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	248	134.40	820.4		64.71
3	260	307.38	1,792.9		65.78
4	277	132.29	724.7		67.34
5	299	191.23	970.1		69.38
6	312	80.80	392.5		70.45
7	324	174.83	818.7		71.37
8	355	106.18	452.7		73.90
9	629	6.77	16.3		88.66
10	750	14.50	29.3		91.58
11	831	6.53	11.9		92.60
12	896	5.35	9.0		93.42
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,938	0.00	0.0		115.67

Region table for sample 11 : GBS3_PCR2 (1:3)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	334	1,504.1	1,323.11	6,654.2	89	39.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-31\2018-01-31_001.xad

Created: 1/31/2018 10:54:15 AM
Modified: 1/31/2018 11:37:47 AM

Gel Image

