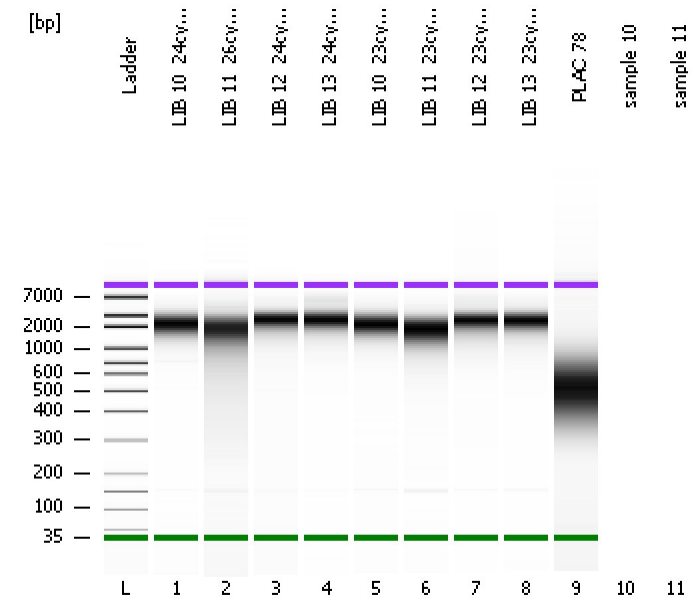
Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

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

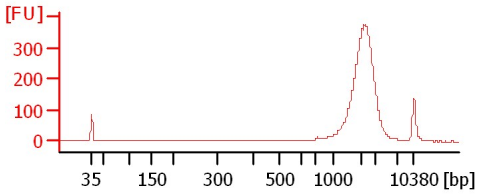
Chip Information:

Chip Lot #:

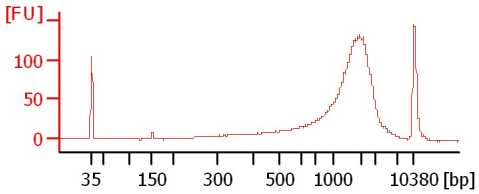
Reagent Kit Lot #:

Chip Comments:

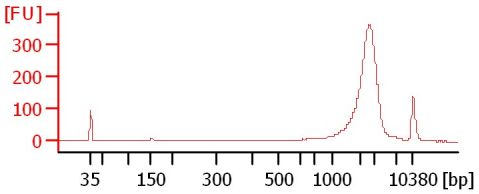
LIB 10_24cycles



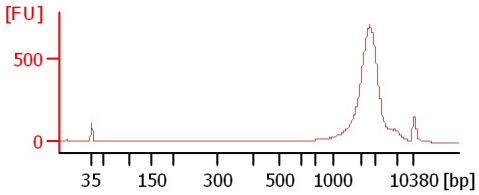
LIB 11_26cycles



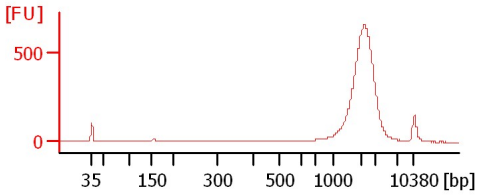
LIB 12_24cycles



LIB 13_24cycles



LIB 10_23cycles



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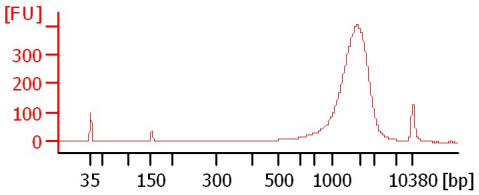
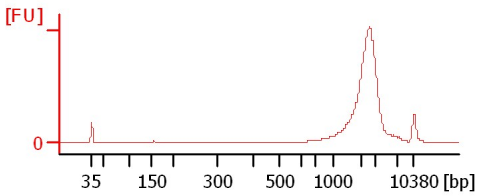
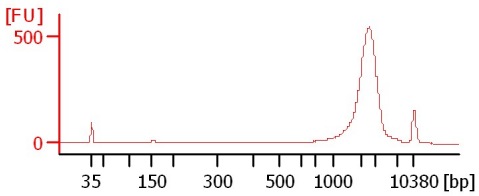


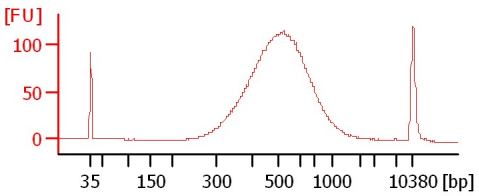
LIB 12_23cycles



LIB 13_23cycles



PLAC_78



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LIB 10_24cycles		☐	✔			
LIB 11_26cycles		☐	✔			
LIB 12_24cycles		☐	✔			
LIB 13_24cycles		☐	✔			
LIB 10_23cycles		☐	✔			
LIB 11_23cycles		☐	✔			
LIB 12_23cycles		☐	✔			
LIB 13_23cycles		☐	✔			
PLAC_78		☐	✔			
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 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

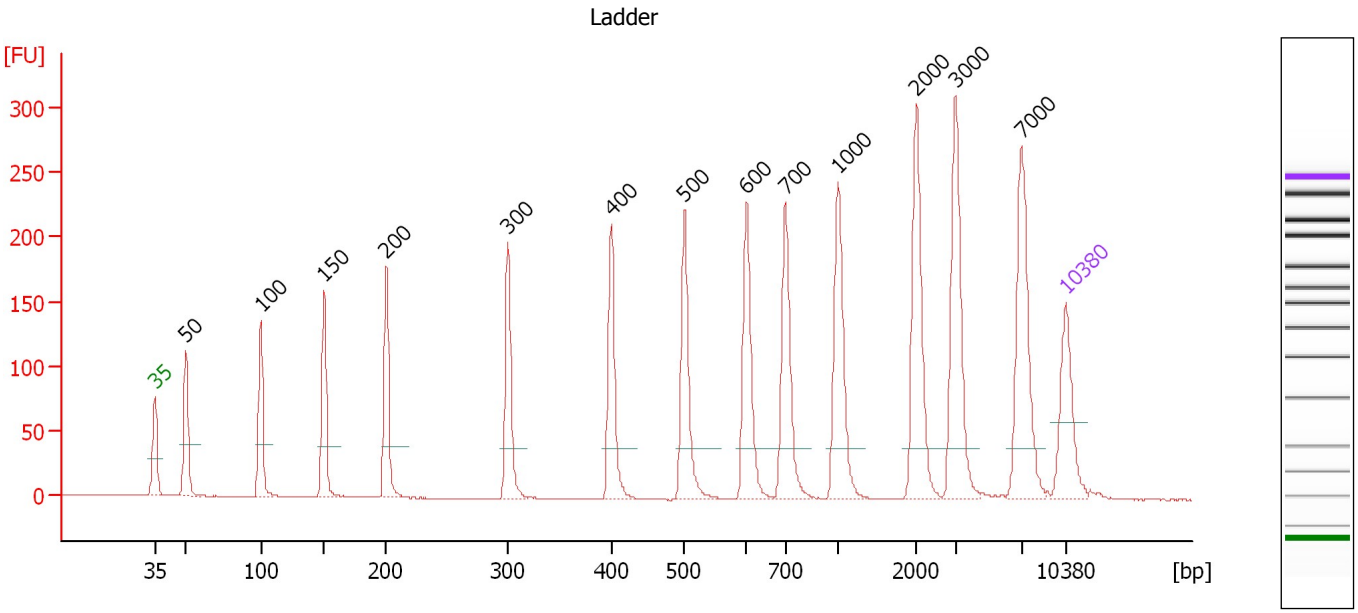
Ladder

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:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

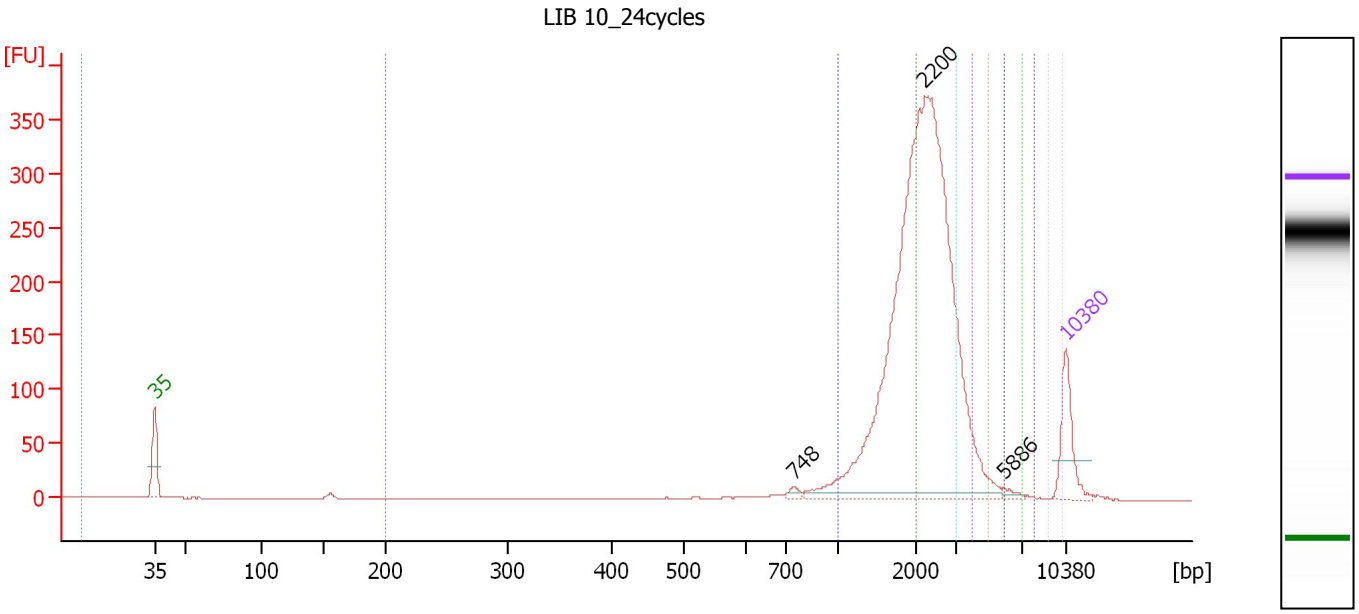
Peak table for Ladder

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	45.43
3		100	150.00	2,272.7	Ladder Peak	51.15
4		150	150.00	1,515.2	Ladder Peak	56.02
5		200	150.00	1,136.4	Ladder Peak	60.79
6		300	150.00	757.6	Ladder Peak	70.13
7		400	150.00	568.2	Ladder Peak	78.10
8		500	150.00	454.5	Ladder Peak	83.67
9		600	150.00	378.8	Ladder Peak	88.44
10		700	150.00	324.7	Ladder Peak	91.45
11		1,000	150.00	227.3	Ladder Peak	95.45
12		2,000	150.00	113.6	Ladder Peak	101.51
13		3,000	150.00	75.8	Ladder Peak	104.51
14		7,000	150.00	32.5	Ladder Peak	109.57
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : LIB 10_24cycles

Number of peaks found:	3	Corr. Area 6:	17.8
Noise:	0.3	Corr. Area 7:	9.5
Corr. Area 1:	65.7	Corr. Area 8:	4.0
Corr. Area 2:	771.8	Corr. Area 9:	1.8
Corr. Area 3:	947.8	Corr. Area 10:	0.3
Corr. Area 4:	142.1	Corr. Area 11:	0.0
Corr. Area 5:	46.2		

Peak table for sample 1 : LIB 10_24cycles

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	748	9.13	18.5		92.09
3	2,200	1,245.00	857.6		102.11
4	5,886	8.73	2.2		108.16
5	10,380	75.00	10.9	Upper Marker	113.00

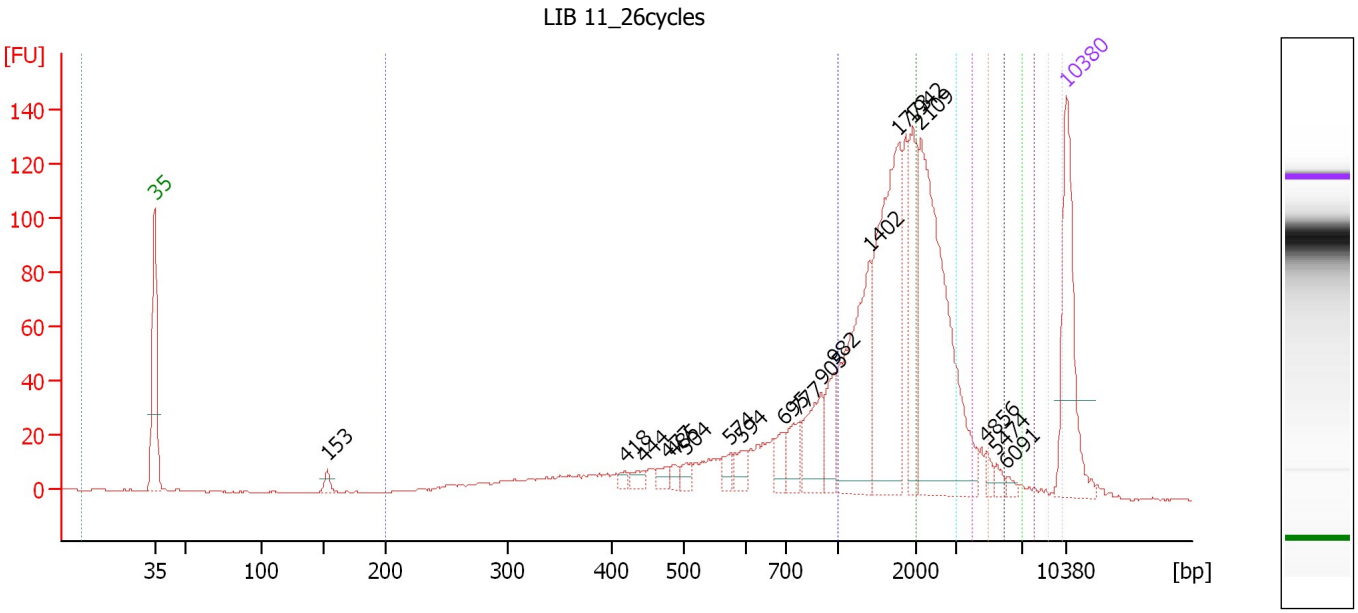
Region table for sample 1 : LIB 10_24cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0	0	0.0
200	1,000	794	51.37	65.7	102.6	3	18.4
1,000	2,000	1,719	512.14	771.8	451.4	38	13.4
2,000	3,000	2,441	609.64	947.8	378.4	47	11.3
3,000	4,000	3,381	91.80	142.1	41.1	7	8.5
4,000	5,000	4,364	30.05	46.2	10.4	2	6.6
5,000	6,000	5,403	11.67	17.8	3.3	1	5.5
6,000	7,000	6,405	6.31	9.5	1.5	0	4.6
7,000	8,000	7,396	2.60	4.0	0.5	0	4.0
8,000	9,000	8,402	1.13	1.8	0.2	0	3.4
9,000	10,000	9,780	0.20	0.3	0.0	0	1.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : LIB 11_26cycles

Number of peaks found:	19	Corr. Area 6:	13.4
Noise:	0.3	Corr. Area 7:	7.0
Corr. Area 1:	441.1	Corr. Area 8:	3.3
Corr. Area 2:	584.0	Corr. Area 9:	2.6
Corr. Area 3:	294.0	Corr. Area 10:	0.6
Corr. Area 4:	41.7	Corr. Area 11:	0.0
Corr. Area 5:	21.2		

Peak table for sample 2 : LIB 11_26cycles

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	153	8.13	80.8		56.26
3	418	4.85	17.6		79.12
4	444	7.61	26.0		80.53
5	477	7.80	24.8		82.39
6	485	5.68	17.8		82.83
7	504	8.21	24.7		83.85
8	574	9.00	23.7		87.21
9	594	12.60	32.2		88.14
10	695	14.29	31.1		91.31
11	777	20.51	40.0		92.48
12	905	37.18	62.3		94.18
13	982	27.75	42.8		95.21
14	1,402	109.59	118.4		97.89
15	1,773	153.91	131.6		100.13
16	1,942	51.79	40.4		101.15
17	2,109	186.91	134.3		101.84
18	4,856	4.80	1.5		106.86
19	5,474	4.43	1.2		107.64

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : LIB 11_26cycles

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
20	6,091	2.91	0.7		108.42
21	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 2 : LIB 11_26cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color	% of Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0		0	0.0
200	1,000	626	327.47	441.1	972.0		31	33.9
1,000	2,000	1,582	349.64	584.0	334.8		41	17.2
2,000	3,000	2,407	167.91	294.0	105.7		21	11.6
3,000	4,000	3,389	23.93	41.7	10.7		3	8.6
4,000	5,000	4,445	12.26	21.2	4.2		1	6.8
5,000	6,000	5,419	7.80	13.4	2.2		1	5.4
6,000	7,000	6,421	4.13	7.0	1.0		0	4.6
7,000	8,000	7,425	1.92	3.3	0.4		0	4.0
8,000	9,000	8,400	1.47	2.6	0.3		0	3.7
9,000	10,000	9,773	0.33	0.6	0.1		0	2.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

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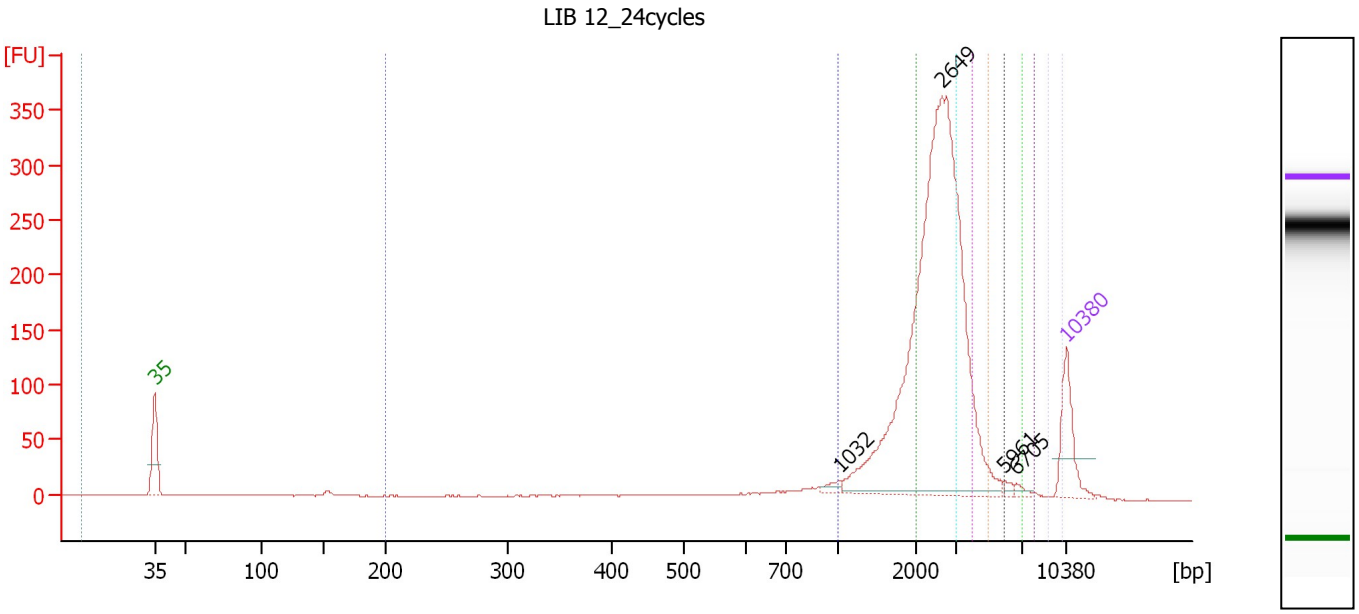
Electropherogram Summary Continued ...



Overall Results for sample 3 : LIB 12_24cycles

Number of peaks found:	4	Corr. Area 6:	23.9
Noise:	0.3	Corr. Area 7:	16.6
Corr. Area 1:	91.9	Corr. Area 8:	6.9
Corr. Area 2:	371.9	Corr. Area 9:	3.0
Corr. Area 3:	891.2	Corr. Area 10:	0.4
Corr. Area 4:	250.2	Corr. Area 11:	0.0
Corr. Area 5:	69.1		

Peak table for sample 3 : LIB 12_24cycles

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	1,032	10.60	15.6		95.65
3	2,649	1,009.70	577.4		103.46
4	5,961	6.41	1.6		108.25
5	6,705	7.13	1.6		109.19
6	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : LIB 12_24cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0	0	0.0
200	1,000	679	76.04	91.9	200.7	5	30.3
1,000	2,000	1,691	251.00	371.9	224.9	21	15.2
2,000	3,000	2,529	581.26	891.2	348.3	51	10.7
3,000	4,000	3,370	163.85	250.2	73.7	14	8.6
4,000	5,000	4,340	45.58	69.1	15.9	4	6.5
5,000	6,000	5,389	15.90	23.9	4.5	1	5.8
6,000	7,000	6,439	11.13	16.6	2.6	1	4.7
7,000	8,000	7,393	4.63	6.9	0.9	0	3.9
8,000	9,000	8,342	1.98	3.0	0.4	0	3.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

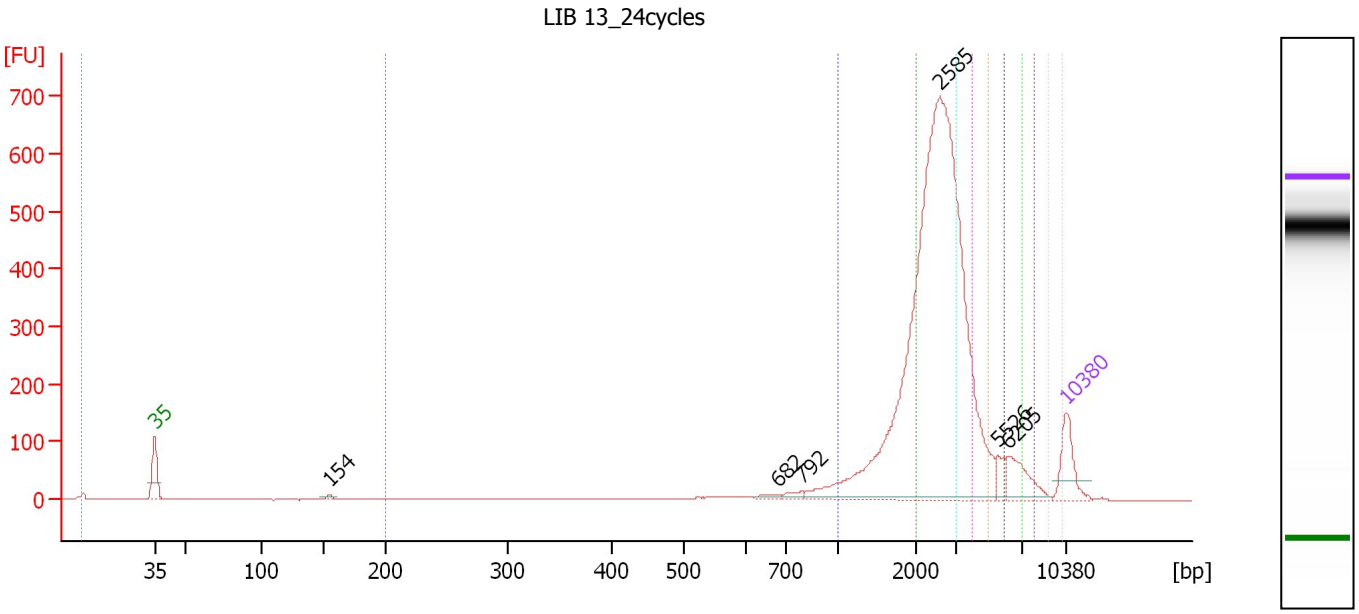
... Region table for sample 3 : LIB 12_24cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
9,000	10,000	9,770	0.27	0.4	0.0	0	2.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : LIB 13_24cycles

Number of peaks found:	6	Corr. Area 6:	90.7
Noise:	0.3	Corr. Area 7:	82.9
Corr. Area 1:	162.6	Corr. Area 8:	42.8
Corr. Area 2:	703.2	Corr. Area 9:	18.3
Corr. Area 3:	1,782.8	Corr. Area 10:	2.3
Corr. Area 4:	473.9	Corr. Area 11:	0.0
Corr. Area 5:	172.0		

Peak table for sample 4 : LIB 13_24cycles

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	154	9.26	91.0		56.41
3	682	9.96	22.1		90.91
4	792	13.00	24.9		92.68
5	2,585	1,703.40	998.3		103.27
6	5,526	30.48	8.4		107.70
7	6,205	76.44	18.7		108.56
8	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 : LIB 13_24cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0	0	0.0
200	1,000	701	109.53	162.6	280.9	5	29.0
1,000	2,000	1,700	387.78	703.2	345.6	20	15.0
2,000	3,000	2,517	951.14	1,782.8	572.6	50	11.1
3,000	4,000	3,399	253.95	473.9	113.2	13	8.5
4,000	5,000	4,375	92.82	172.0	32.1	5	6.7
5,000	6,000	5,455	49.33	90.7	13.7	3	5.5
6,000	7,000	6,450	45.42	82.9	10.7	2	4.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

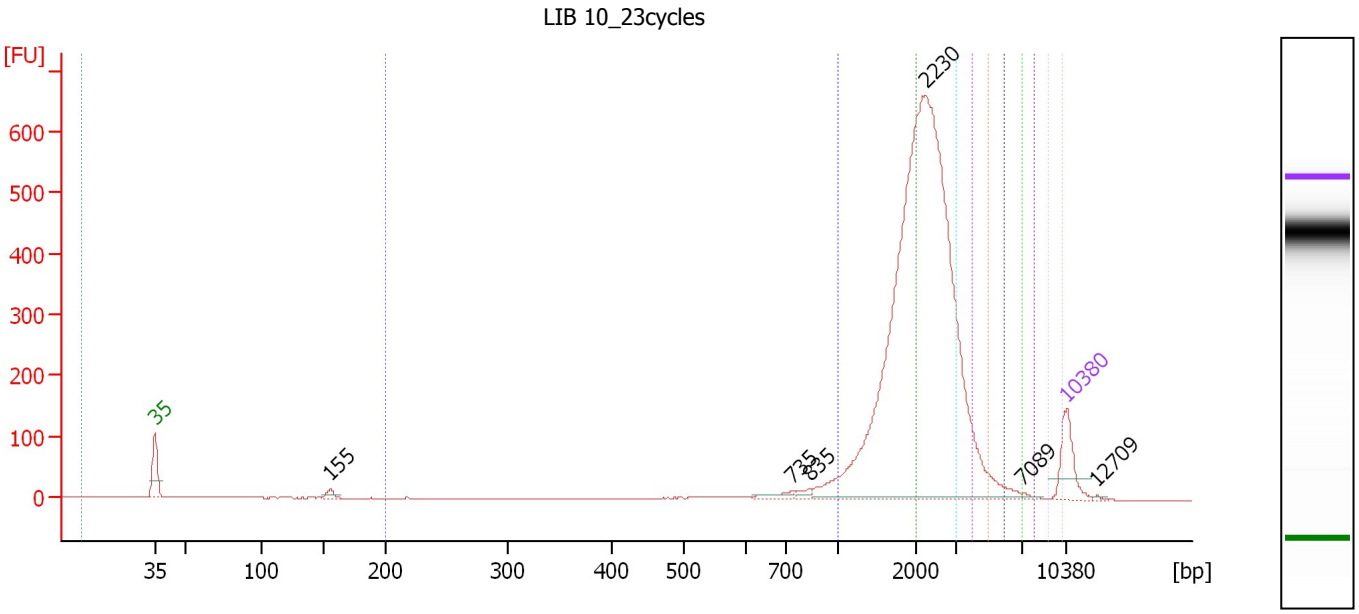
... Region table for sample 4 : LIB 13_24cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
7,000	8,000	7,392	23.37	42.8	4.8	1	4.0
8,000	9,000	8,342	9.81	18.3	1.8	1	3.4
9,000	10,000	9,663	1.20	2.3	0.2	0	3.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : LIB 10_23cycles

Number of peaks found:	6	Corr. Area 6:	36.6
Noise:	0.3	Corr. Area 7:	18.0
Corr. Area 1:	137.3	Corr. Area 8:	8.2
Corr. Area 2:	1,392.9	Corr. Area 9:	3.2
Corr. Area 3:	1,643.2	Corr. Area 10:	0.1
Corr. Area 4:	261.1	Corr. Area 11:	0.0
Corr. Area 5:	85.2		

Peak table for sample 5 : LIB 10_23cycles

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	155	16.76	164.0		56.48
3	735	15.74	32.5		91.91
4	835	10.30	18.7		93.25
5	2,230	1,836.39	1,247.7		102.20
6	7,089	5.00	1.1		109.66
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,709	0.00	0.0		115.37

Region table for sample 5 : LIB 10_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color	% of Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0		0	0.0
200	1,000	755	90.04	137.3	205.6		4	24.8
1,000	2,000	1,715	762.97	1,392.9	674.0		39	13.6
2,000	3,000	2,438	872.13	1,643.2	542.0		45	11.4
3,000	4,000	3,377	139.22	261.1	62.5		7	8.7
4,000	5,000	4,374	45.75	85.2	15.8		2	6.5
5,000	6,000	5,397	19.82	36.6	5.6		1	5.6
6,000	7,000	6,406	9.81	18.0	2.3		0	4.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

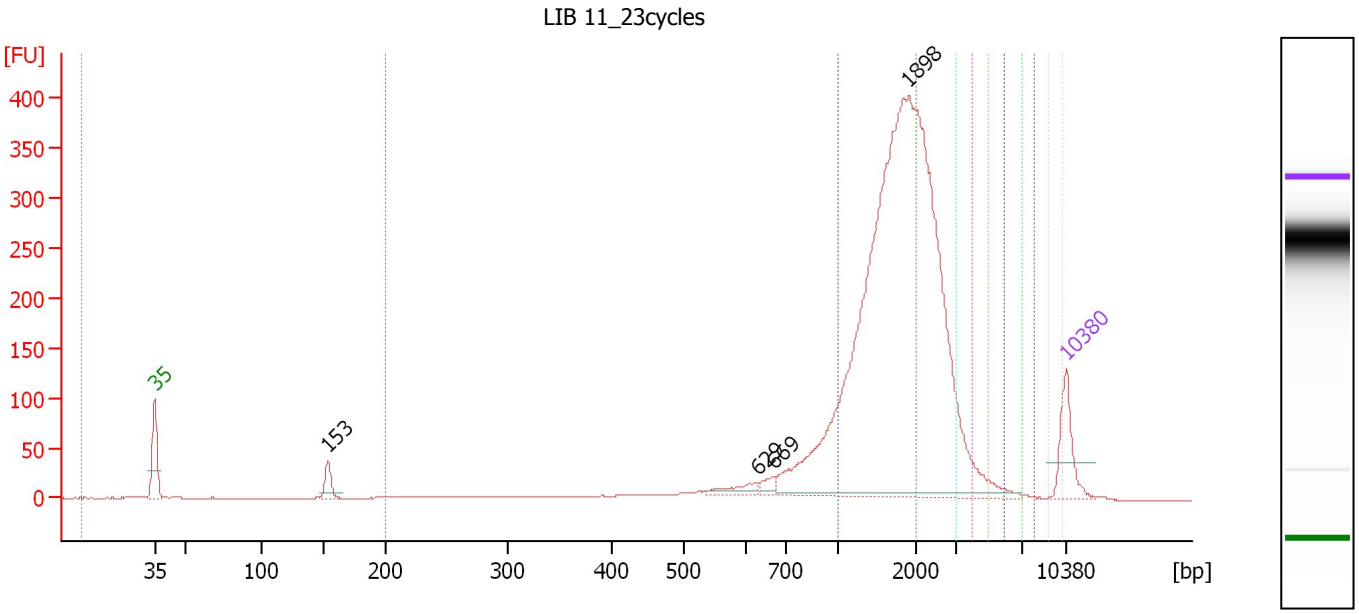
... Region table for sample 5 : LIB 10_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
7,000	8,000	7,383	4.45	8.2	0.9	0	4.0
8,000	9,000	8,349	1.72	3.2	0.3	0	3.6
9,000	10,000	9,741	0.06	0.1	0.0	0	2.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : LIB 11_23cycles

Number of peaks found:	4	Corr. Area 6:	18.0
Noise:	0.2	Corr. Area 7:	10.0
Corr. Area 1:	416.5	Corr. Area 8:	3.9
Corr. Area 2:	1,646.8	Corr. Area 9:	1.8
Corr. Area 3:	782.0	Corr. Area 10:	0.0
Corr. Area 4:	82.5	Corr. Area 11:	0.0
Corr. Area 5:	33.5		

Peak table for sample 6 : LIB 11_23cycles

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	153	44.74	442.6		56.32
3	629	27.54	66.4		89.30
4	669	18.49	41.9		90.51
5	1,898	1,782.16	1,423.0		100.89
6	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 6 : LIB 11_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0	0	0.0
200	1,000	717	339.63	416.5	881.0	14	29.1
1,000	2,000	1,605	1,112.55	1,646.8	1,050.0	54	16.4
2,000	3,000	2,387	505.18	782.0	320.7	26	11.4
3,000	4,000	3,359	53.55	82.5	24.2	3	8.6
4,000	5,000	4,387	21.89	33.5	7.6	1	6.8
5,000	6,000	5,382	11.86	18.0	3.3	1	5.5
6,000	7,000	6,404	6.65	10.0	1.6	0	4.8
7,000	8,000	7,382	2.57	3.9	0.5	0	3.9
8,000	9,000	8,410	1.20	1.8	0.2	0	3.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

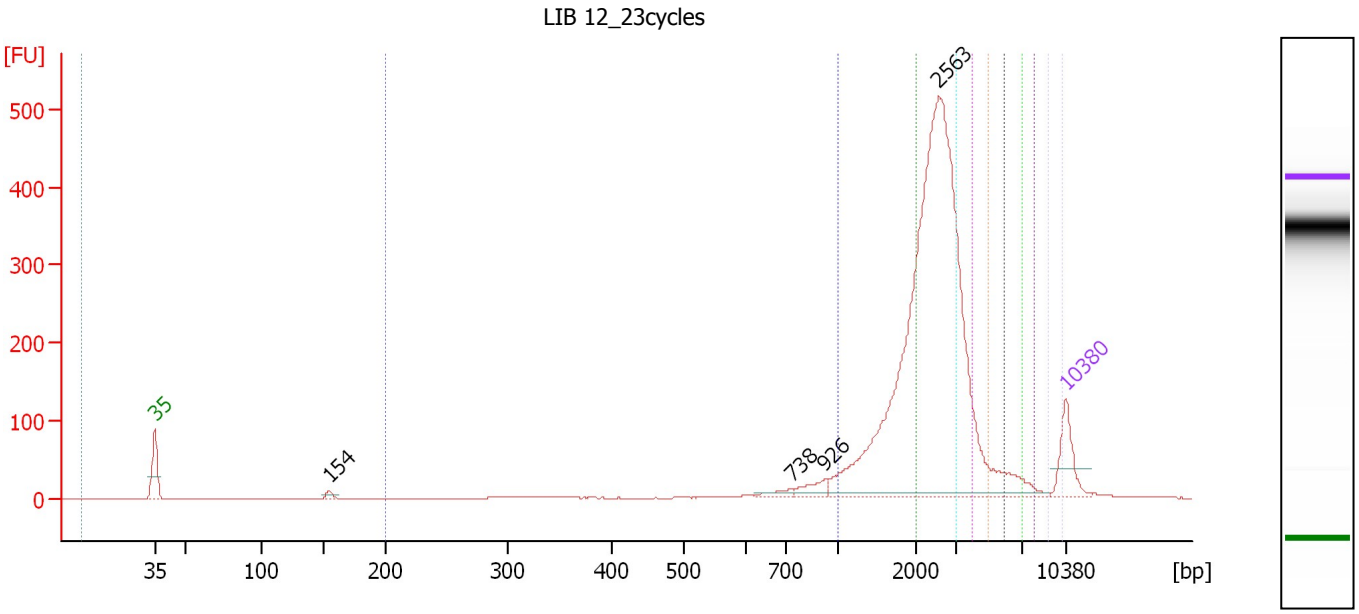
... Region table for sample 6 : LIB 11_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
9,000	10,000	9,771	0.00	0.0	0.0	0	2.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : LIB 12_23cycles

Number of peaks found:	4	Corr. Area 6:	43.3
Noise:	0.2	Corr. Area 7:	38.5
Corr. Area 1:	194.4	Corr. Area 8:	20.6
Corr. Area 2:	651.8	Corr. Area 9:	11.0
Corr. Area 3:	1,301.4	Corr. Area 10:	1.3
Corr. Area 4:	282.2	Corr. Area 11:	0.0
Corr. Area 5:	92.4		

Peak table for sample 7 : LIB 12_23cycles

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	154	14.87	146.4		56.39
3	738	20.50	42.1		91.95
4	926	33.00	54.0		94.47
5	2,563	1,540.51	910.8		103.20
6	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 7 : LIB 12_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0	0	0.0
200	1,000	674	160.86	194.4	454.8	7	33.2
1,000	2,000	1,666	435.51	651.8	396.1	24	15.8
2,000	3,000	2,504	837.79	1,301.4	506.9	48	11.2
3,000	4,000	3,378	182.46	282.2	81.8	10	8.3
4,000	5,000	4,355	60.16	92.4	20.9	3	6.8
5,000	6,000	5,442	28.43	43.3	7.9	2	5.4
6,000	7,000	6,433	25.45	38.5	6.0	1	4.7
7,000	8,000	7,405	13.56	20.6	2.8	1	4.0
8,000	9,000	8,412	7.12	11.0	1.3	0	3.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

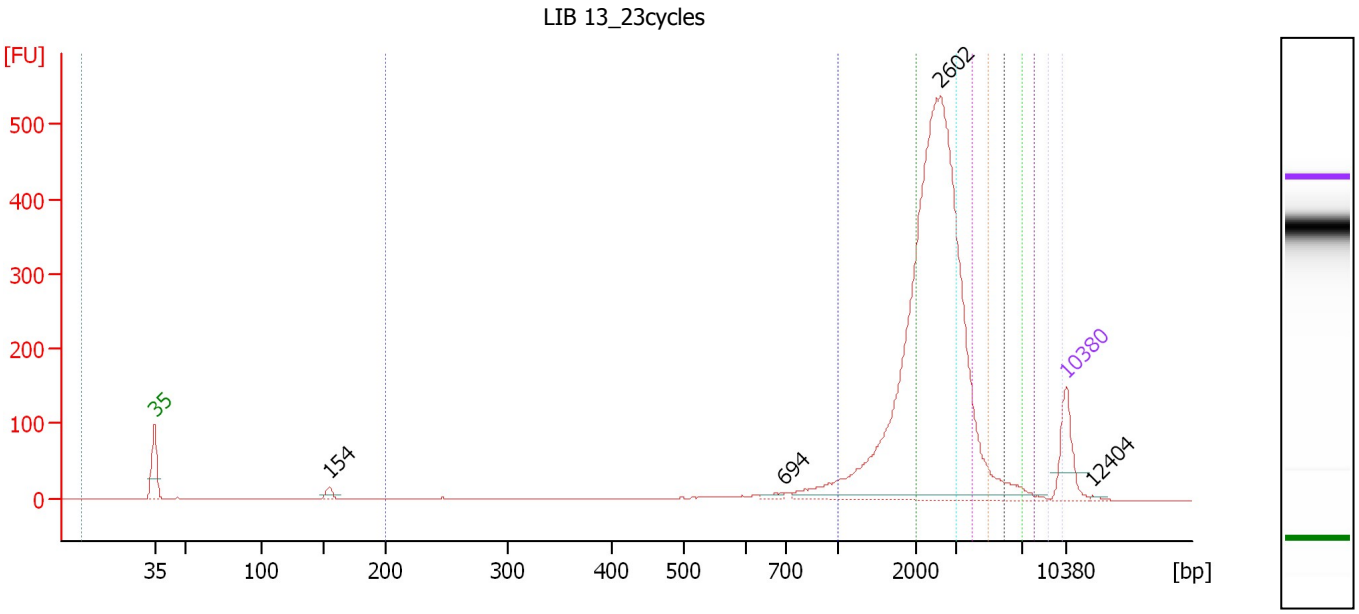
... Region table for sample 7 : LIB 12_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
9,000	10,000	9,683	0.83	1.3	0.1	0	2.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : LIB 13_23cycles

Number of peaks found:	4	Corr. Area 6:	35.4
Noise:	0.2	Corr. Area 7:	24.8
Corr. Area 1:	130.2	Corr. Area 8:	10.1
Corr. Area 2:	615.2	Corr. Area 9:	4.4
Corr. Area 3:	1,359.4	Corr. Area 10:	0.3
Corr. Area 4:	312.9	Corr. Area 11:	0.0
Corr. Area 5:	98.7		

Peak table for sample 8 : LIB 13_23cycles

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	154	17.05	167.6		56.42
3	694	7.86	17.2		91.25
4	2,602	1,392.23	810.7		103.32
5	10,380	75.00	10.9	Upper Marker	113.00
6	12,404	0.00	0.0		115.06

Region table for sample 8 : LIB 13_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0	0	0.0
200	1,000	715	91.80	130.2	229.8	5	28.0
1,000	2,000	1,707	356.82	615.2	316.8	24	14.9
2,000	3,000	2,499	763.33	1,359.4	462.7	52	11.0
3,000	4,000	3,367	176.46	312.9	79.4	12	8.4
4,000	5,000	4,335	56.08	98.7	19.6	4	6.9
5,000	6,000	5,411	20.28	35.4	5.7	1	5.5
6,000	7,000	6,427	14.31	24.8	3.4	1	4.8
7,000	8,000	7,374	5.83	10.1	1.2	0	3.8
8,000	9,000	8,359	2.46	4.4	0.4	0	3.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

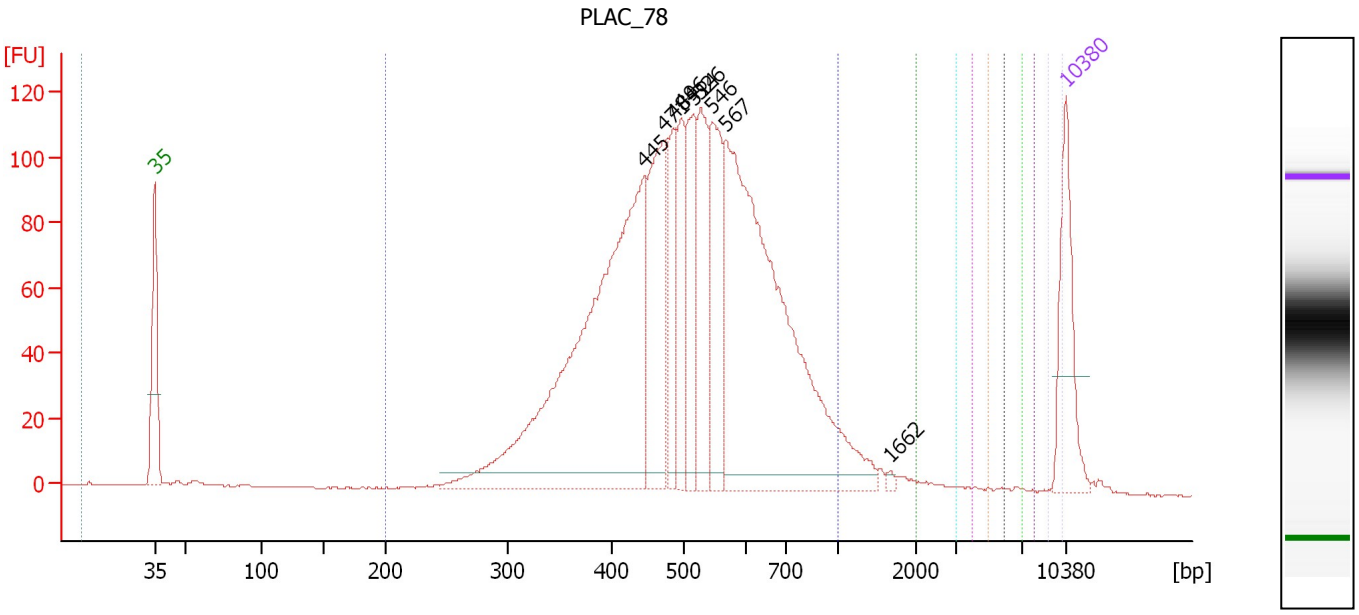
... Region table for sample 8 : LIB 13_23cycles

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
9,000	10,000	9,777	0.18	0.3	0.0	0	2.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PLAC_78

Number of peaks found:	9	Corr. Area 6:	2.0
Noise:	0.2	Corr. Area 7:	2.2
Corr. Area 1:	2,071.6	Corr. Area 8:	1.4
Corr. Area 2:	57.3	Corr. Area 9:	1.0
Corr. Area 3:	8.4	Corr. Area 10:	0.4
Corr. Area 4:	2.4	Corr. Area 11:	0.0
Corr. Area 5:	2.0		

Peak table for sample 9 : PLAC_78

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	445	606.51	2,063.8		80.62
3	471	170.88	550.0		82.04
4	484	84.12	263.1		82.81
5	496	85.19	260.1		83.46
6	514	97.52	287.6		84.33
7	526	115.17	331.5		84.93
8	546	120.13	333.4		85.86
9	567	551.67	1,475.5		86.85
10	1,662	2.77	2.5		99.46
11	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 9 : PLAC_78

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
0	0	0	0.00	0.0	0.0	0	0.0
200	1,000	518	1,843.22	2,071.6	5,863.8	96	25.5
1,000	2,000	1,354	41.49	57.3	46.4	3	20.3
2,000	3,000	2,443	5.64	8.4	3.5	0	11.8
3,000	4,000	3,472	1.63	2.4	0.7	0	8.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Electropherogram Summary Continued ...

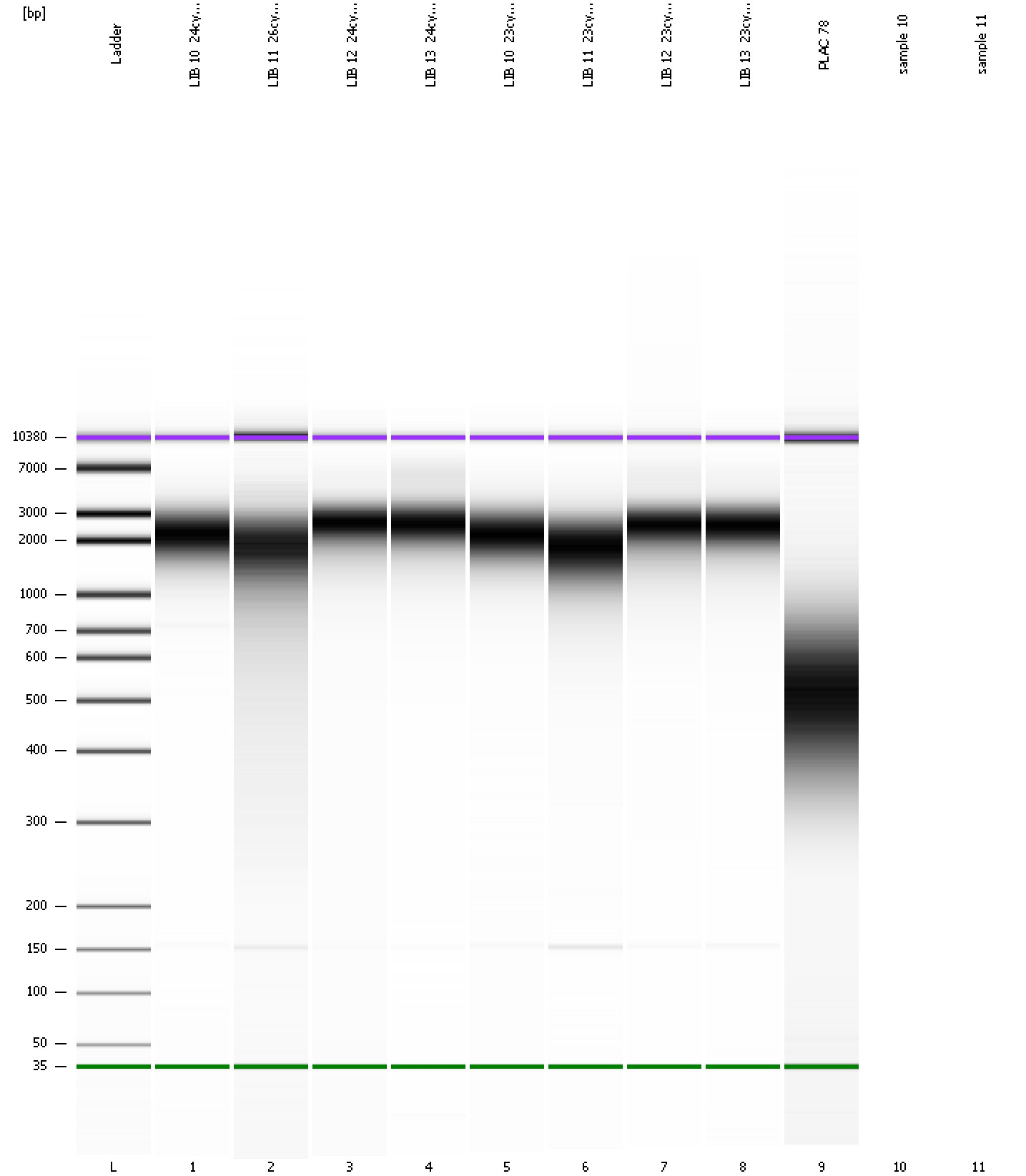
... Region table for sample 9 : PLAC_78

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
4,000	5,000	4,449	1.39	2.0	0.5	0	6.8
5,000	6,000	5,471	1.37	2.0	0.4	0	5.7
6,000	7,000	6,489	1.52	2.2	0.4	0	4.6
7,000	8,000	7,405	0.94	1.4	0.2	0	4.3
8,000	9,000	8,487	0.68	1.0	0.1	0	3.5
9,000	10,000	9,772	0.29	0.4	0.0	0	1.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Invalid Samples

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\2019-11-06\2019-11-06_002.xad

Created: 11/6/2019 12:38:45 PM
Modified: 11/6/2019 1:19:47 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		11/6/2019 1:14:20 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-11-06\2019-11-06_002.xad)		Instrument	Run		11/6/2019 12:38:51 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		11/6/2019 12:38:51 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/6/2019 12:38:51 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/6/2019 12:38:51 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		11/6/2019 12:38:51 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/6/2019 12:38:51 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/6/2019 12:38:51 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1