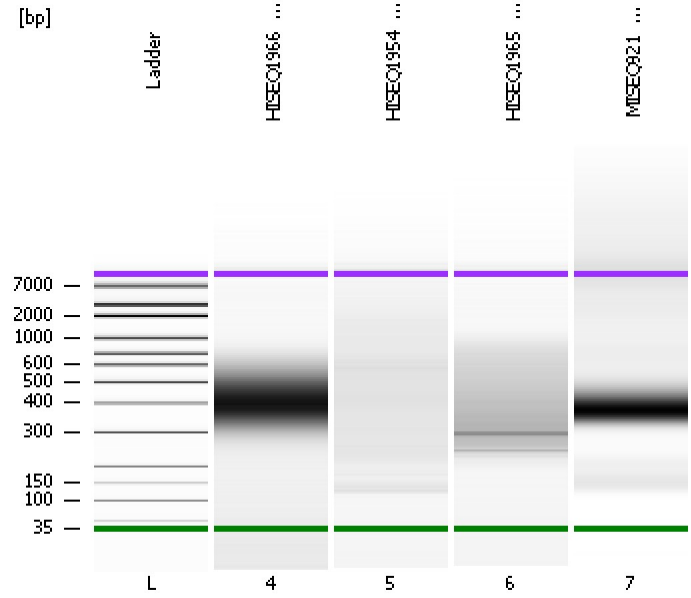
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Electrophoresis File Run Summary



Instrument Information:

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

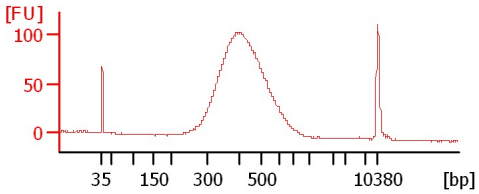
Assay Information:

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

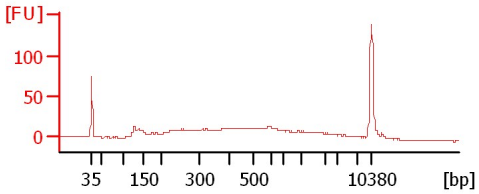
Chip Information:

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

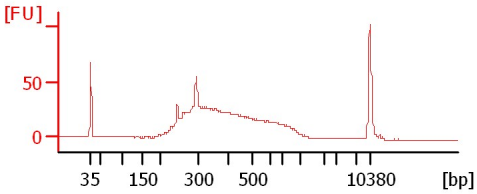
HISEQ1966_Bzisolates.10.9.2019_BC



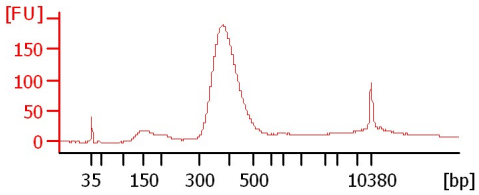
HISEQ1954_RFFJ5MO1_BC



HISEQ1965_PS2VB_BC



MISEQ921_Mac2_BC



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HISEQ1966_Bzisolates.10.9.2019_BC		☐	✔			
HISEQ1954_RFFJ5MO1_BC		☐	✔			
HISEQ1965_PS2VB_BC		☐	✔			
MISEQ921_Mac2_BC		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 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

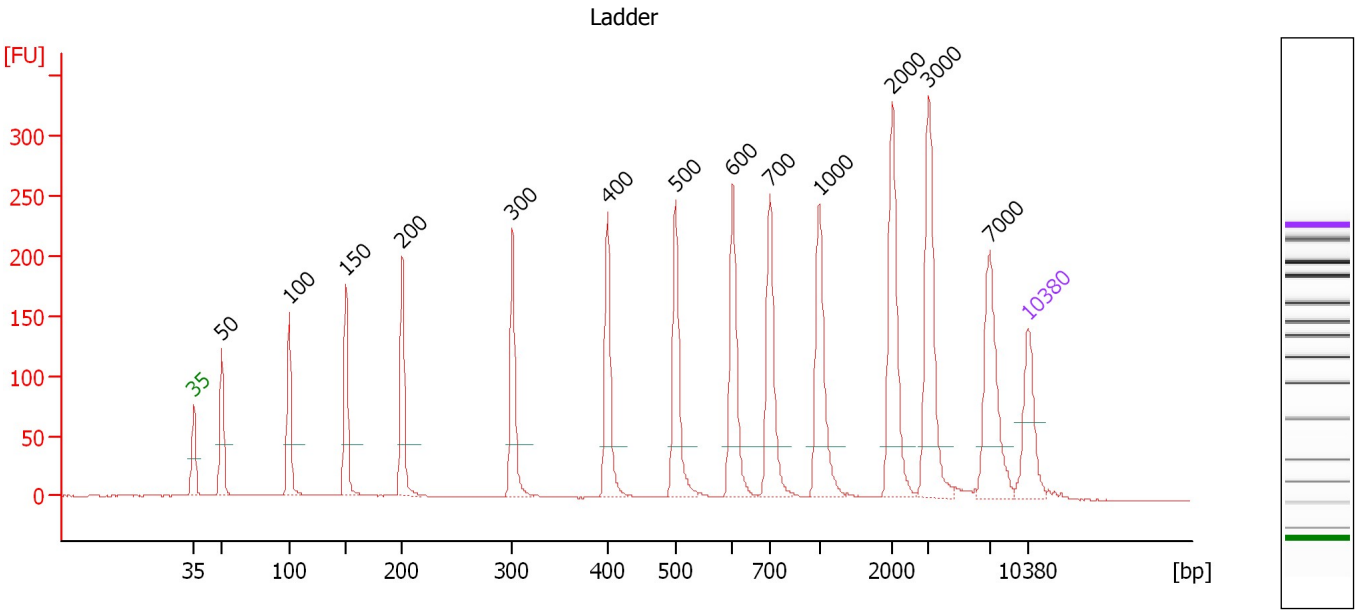
Ladder

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

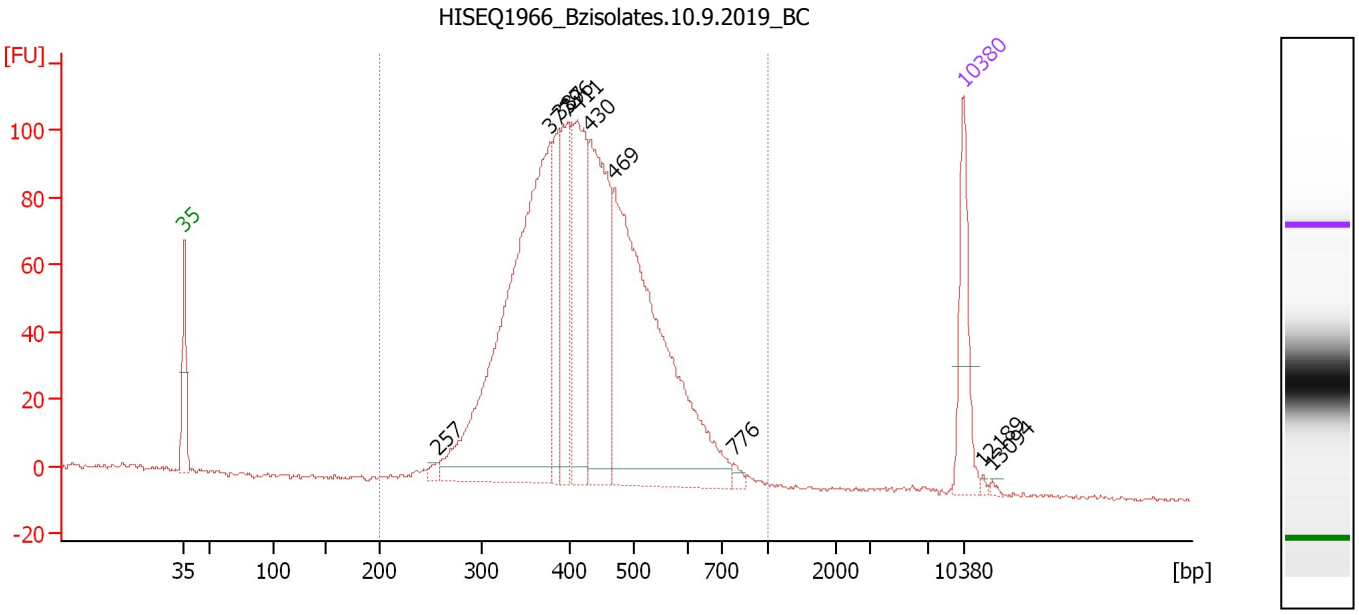
Peak table for Ladder

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	45.37
3		100	150.00	2,272.7	Ladder Peak	51.01
4		150	150.00	1,515.2	Ladder Peak	55.79
5		200	150.00	1,136.4	Ladder Peak	60.49
6		300	150.00	757.6	Ladder Peak	69.75
7		400	150.00	568.2	Ladder Peak	77.71
8		500	150.00	454.5	Ladder Peak	83.43
9		600	150.00	378.8	Ladder Peak	88.22
10		700	150.00	324.7	Ladder Peak	91.31
11		1,000	150.00	227.3	Ladder Peak	95.47
12		2,000	150.00	113.6	Ladder Peak	101.59
13		3,000	150.00	75.8	Ladder Peak	104.68
14		7,000	150.00	32.5	Ladder Peak	109.78
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HISEQ1966_Bzisolates.10.9.2019_BC

Number of peaks found:	10	Corr. Area 1:	1,889.5
Noise:	0.5		

Peak table for sample 4 : HISEQ1966_Bzisolates.10.9.2019_BC

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	257	9.16	54.1		65.74
3	377	685.82	2,759.3		75.85
4	387	105.24	412.2		76.66
5	396	126.67	484.1		77.43
6	411	206.52	761.5		78.34
7	430	276.58	974.2		79.44
8	469	572.40	1,850.6		81.64
9	776	7.58	14.8		92.36
10	10,380	75.00	10.9	Upper Marker	113.00
11	12,189	0.00	0.0		114.72
12	13,094	0.00	0.0		115.59

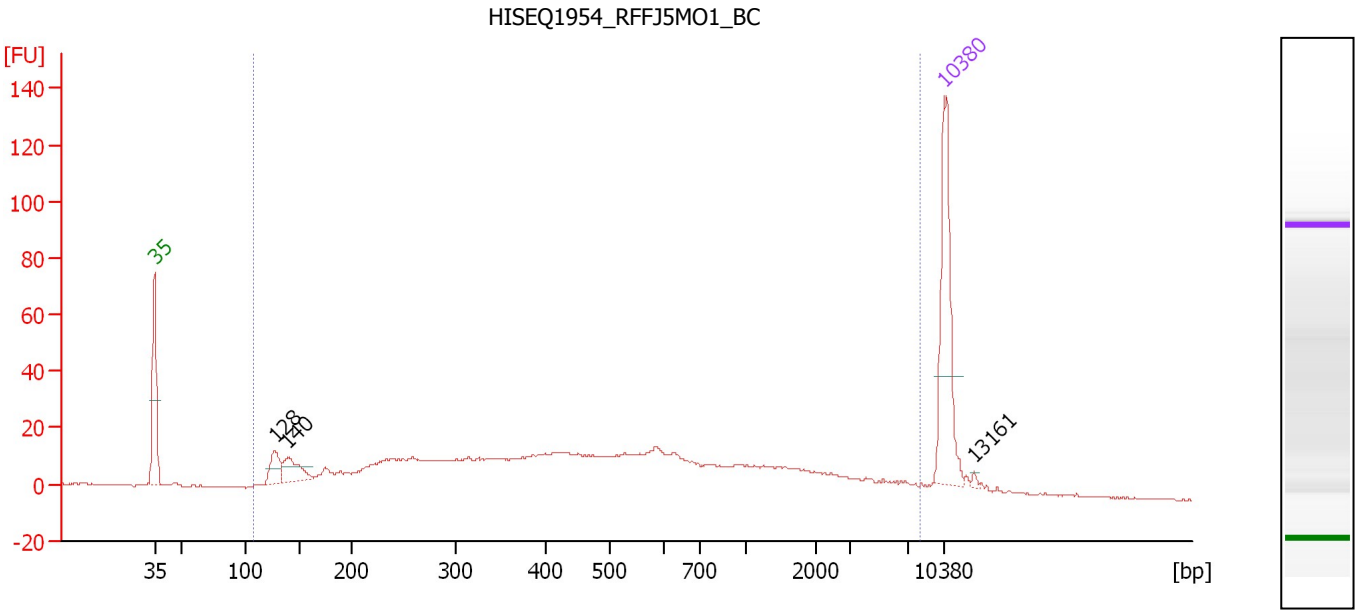
Region table for sample 4 : HISEQ1966_Bzisolates.10.9.2019_BC

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	431	2,006.35	1,889.5	7,471.3	99	21.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HISEQ1954_RFFJ5MO1_BC

Number of peaks found:	3	Corr. Area 1:	726.6
Noise:	0.3		

Peak table for sample 5 : HISEQ1954_RFFJ5MO1_BC

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	128	24.84	294.9		53.65
3	140	30.95	334.6		54.85
4	10,380	75.00	10.9	Upper Marker	113.00
5	13,161	0.00	0.0		115.65

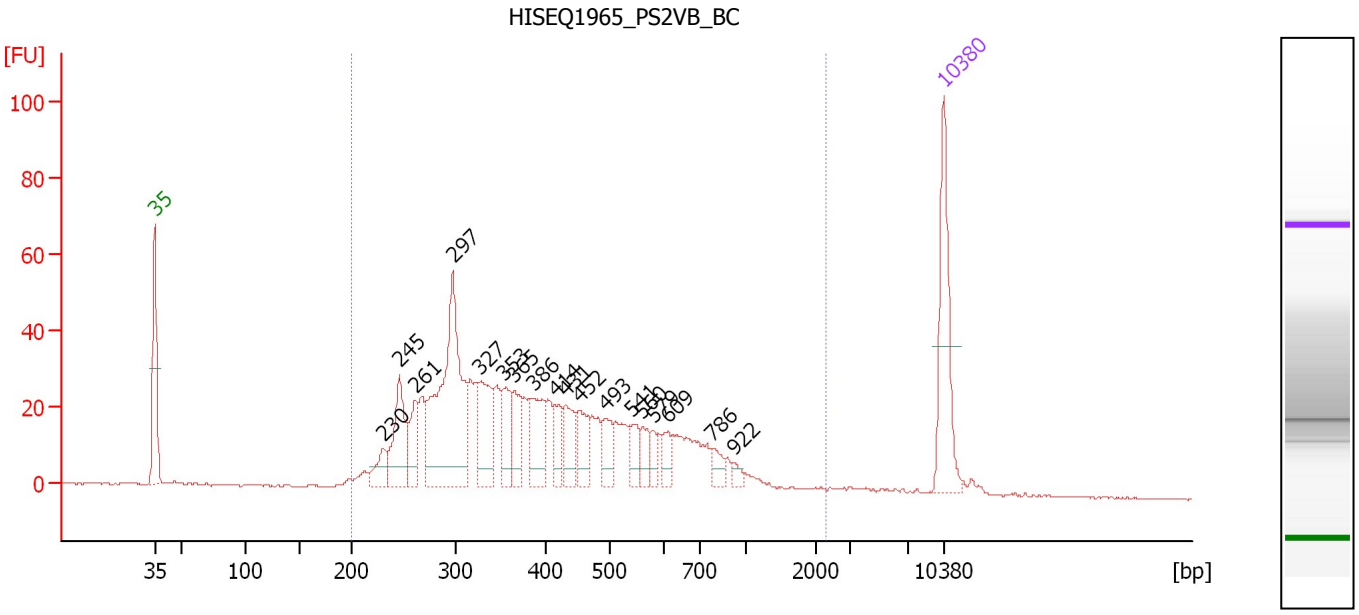
Region table for sample 5 : HISEQ1954_RFFJ5MO1_BC

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
108	8,185	892	644.71	726.6	3,081.6	95	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HISEQ1965_PS2VB_BC

Number of peaks found:	18	Corr. Area 1:	893.1
Noise:	0.2		

Peak table for sample 6 : HISEQ1965_PS2VB_BC

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	230	25.85	170.1		63.29
3	245	73.89	456.1		64.70
4	261	41.40	240.1		66.16
5	297	233.80	1,193.8		69.45
6	327	68.61	317.9		71.90
7	353	42.82	183.7		73.98
8	365	37.35	155.0		74.92
9	386	53.44	209.8		76.59
10	414	23.04	84.3		78.52
11	431	38.63	135.9		79.46
12	452	32.81	109.9		80.71
13	493	25.92	79.7		83.01
14	541	19.96	55.9		85.41
15	560	17.35	47.0		86.29
16	579	14.04	36.7		87.23
17	609	16.15	40.2		88.48
18	786	12.81	24.7		92.50
19	922	6.39	10.5		94.38
20	10,380	75.00	10.9	Upper Marker	113.00

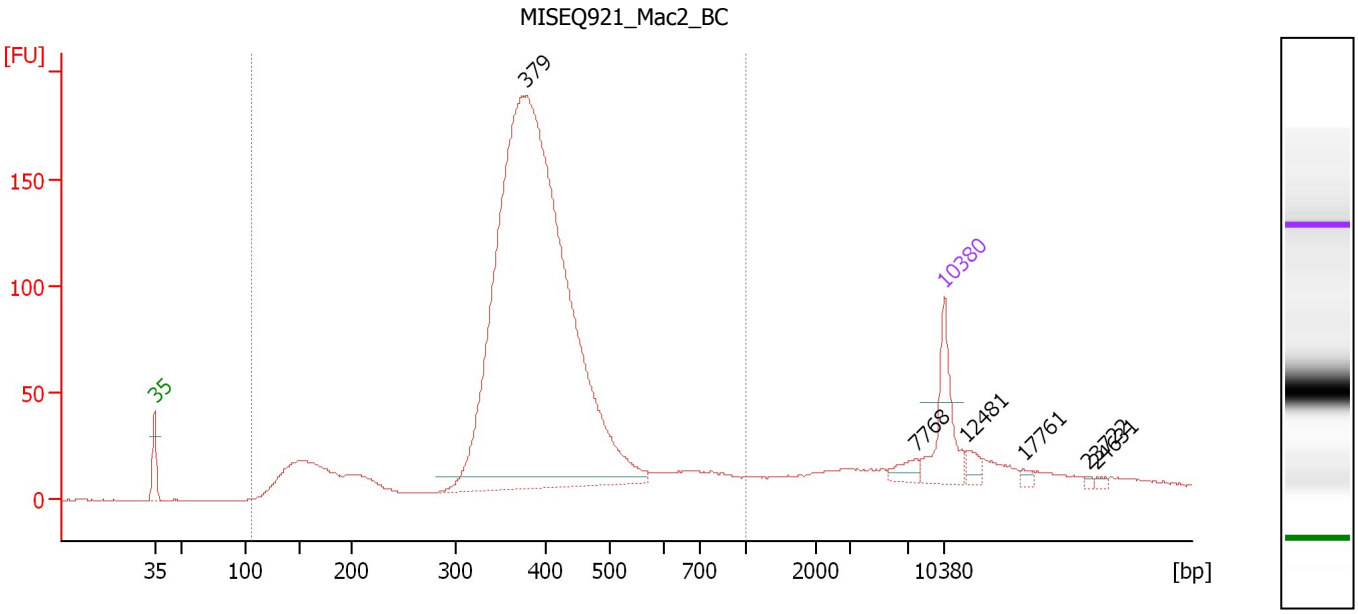
Region table for sample 6 : HISEQ1965_PS2VB_BC

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	2,314	441	1,175.66	893.1	4,968.1	95	50.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : MISEQ921_Mac2_BC

Number of peaks found:	6	Corr. Area 1:	2,227.3
Noise:	0.2		

Peak table for sample 7 : MISEQ921_Mac2_BC

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	379	1,810.31	7,246.5		76.00
3	7,768	17.22	3.4		110.51
4	10,380	75.00	10.9	Upper Marker	113.00
5	12,481	0.00	0.0		115.00
6	17,761	0.00	0.0		120.03
7	23,722	0.00	0.0		125.71
8	24,631	0.00	0.0		126.58

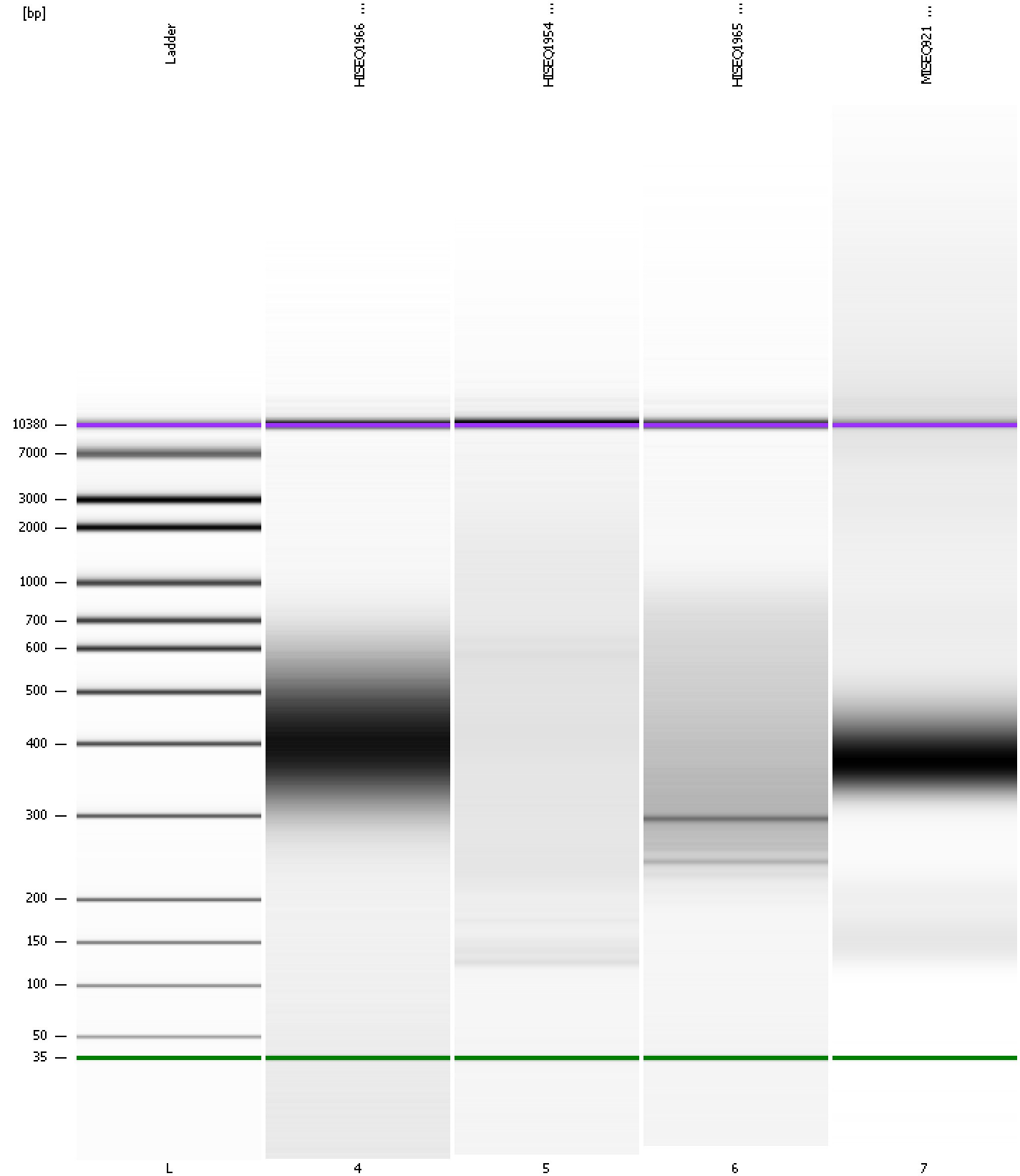
Region table for sample 7 : MISEQ921_Mac2_BC

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
107	1,000	397	2,364.93	2,227.3	10,679.3	85	29.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-15\2019-10-15_003_HiSeq1966_HiSeq1954_HiSeq1965_Mac2BC.xad

Created: 10/15/2019 4:01:12 PM
Modified: 10/16/2019 8:57:00 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/15/2019 4:42:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-10-15\2019-10-15_003.xad)		Instrument	Run		10/15/2019 4:01:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/15/2019 4:01:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/15/2019 4:01:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/15/2019 4:01:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/15/2019 4:01:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/15/2019 4:01:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/15/2019 4:01:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1