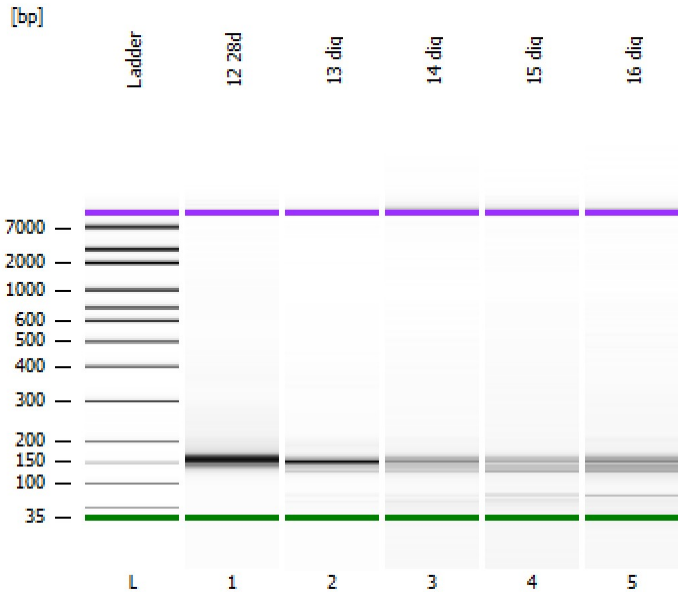


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
Modified: 8/14/2020 11:27:43 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 (x86)\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

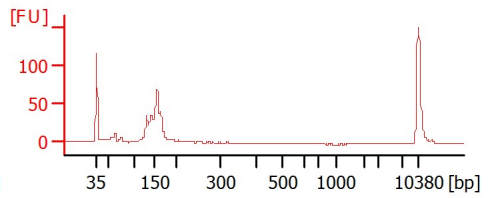
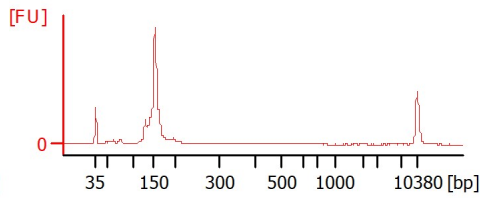
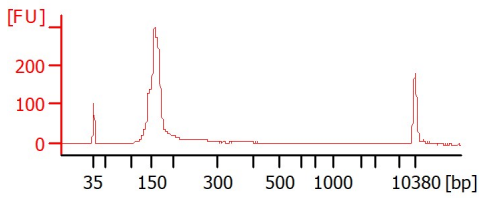
Chip Information:

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

12 28d

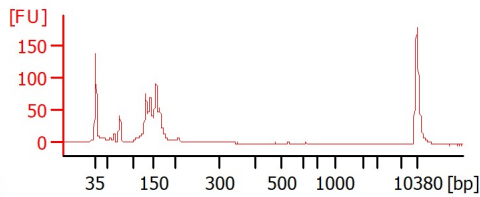
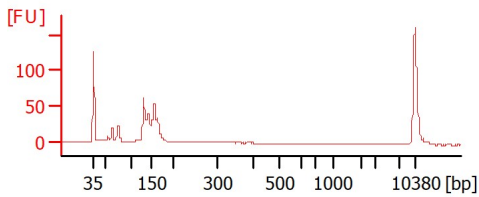
13 dig

14 dig



15 dig

16 dig



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
12 28d		<input type="checkbox"/>	✓			
13 dig		<input type="checkbox"/>	✓			
14 dig		<input type="checkbox"/>	✓			
15 dig		<input type="checkbox"/>	✓			
16 dig		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 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

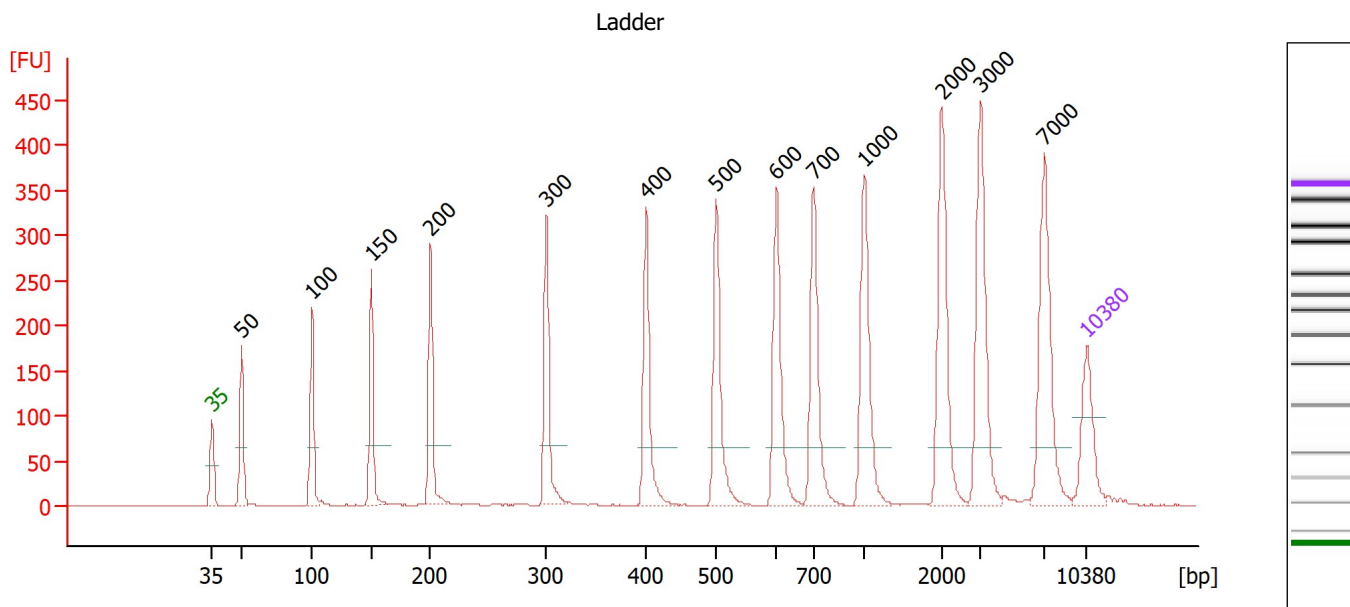
Ladder

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: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

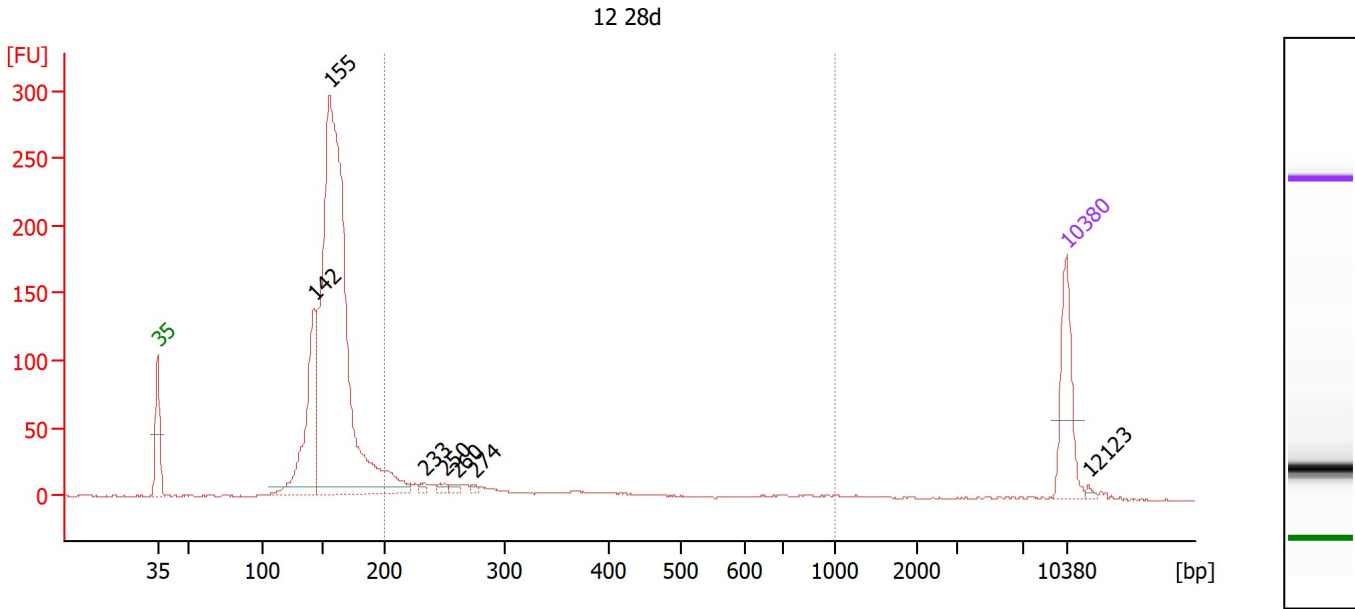
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 12 28d

Number of peaks found: 7 Corr. Area 1: 247.5
 Noise: 0.3

Peak table for sample 1 : 12 28d

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	142	238.11	2,533.2	
3	155	1,081.14	10,550.4	
4	233	6.58	42.8	
5	250	7.40	44.9	
6	260	7.24	42.2	
7	274	3.81	21.0	
8	10,380	75.00	10.9	Upper Marker
9	12,123	0.00	0.0	

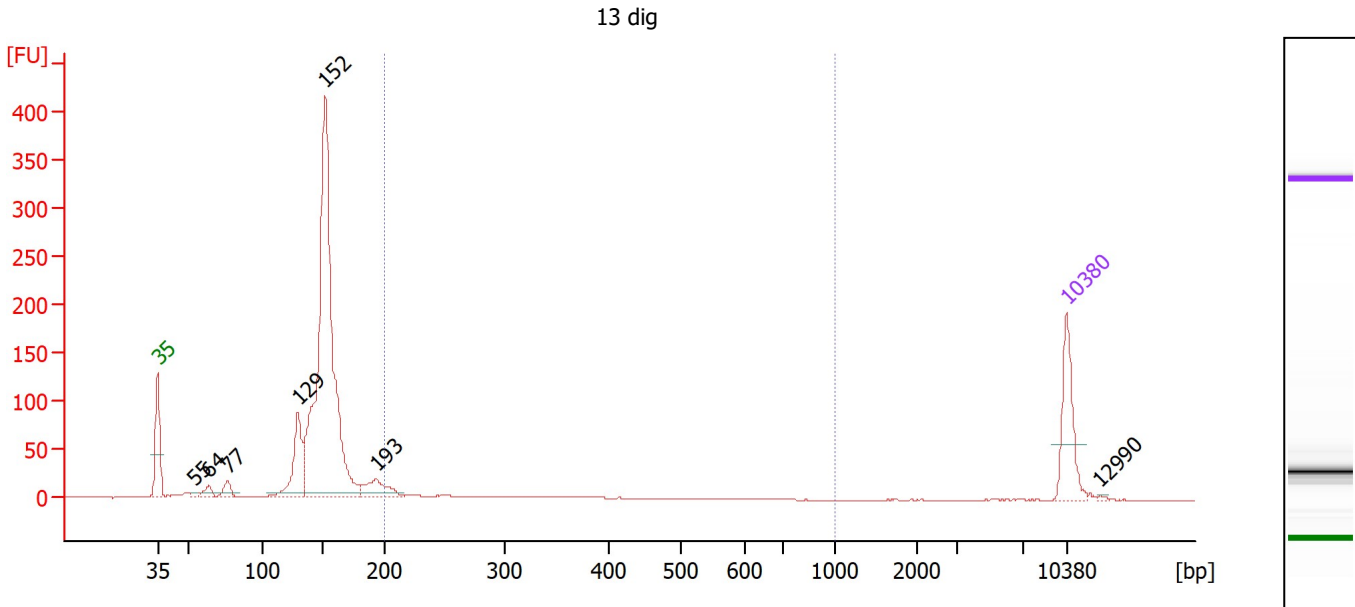
Region table for sample 1 : 12 28d

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	247.5	14	347	48.9	184.45	989.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 13 dig

Number of peaks found: 7 Corr. Area 1: 87.3
 Noise: 0.3

Peak table for sample 2 : 13 dig

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	7.07	196.1	
3	64	19.67	468.3	
4	77	25.23	496.8	
5	129	129.17	1,512.1	
6	152	907.44	9,057.9	
7	193	51.86	406.6	
8	10,380	75.00	10.9	Upper Marker
9	12,990	0.00	0.0	

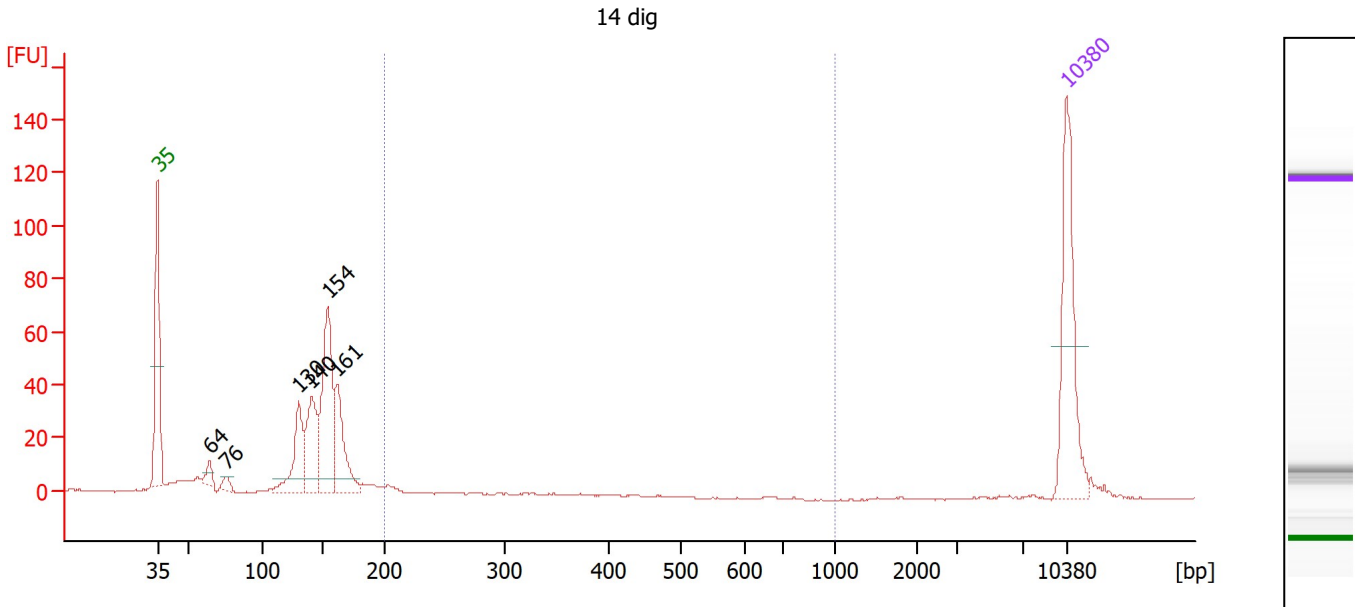
Region table for sample 2 : 13 dig

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	87.3	6	309	35.0	65.40	364.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 14 dig

Number of peaks found: 6 Corr. Area 1: 4.2
 Noise: 0.3

Peak table for sample 3 : 14 dig

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	64	11.55	271.6	
3	76	7.48	148.7	
4	130	57.50	669.6	
5	140	62.34	672.4	
6	154	120.23	1,182.0	
7	161	62.80	590.3	
8	10,380	75.00	10.9	Upper Marker

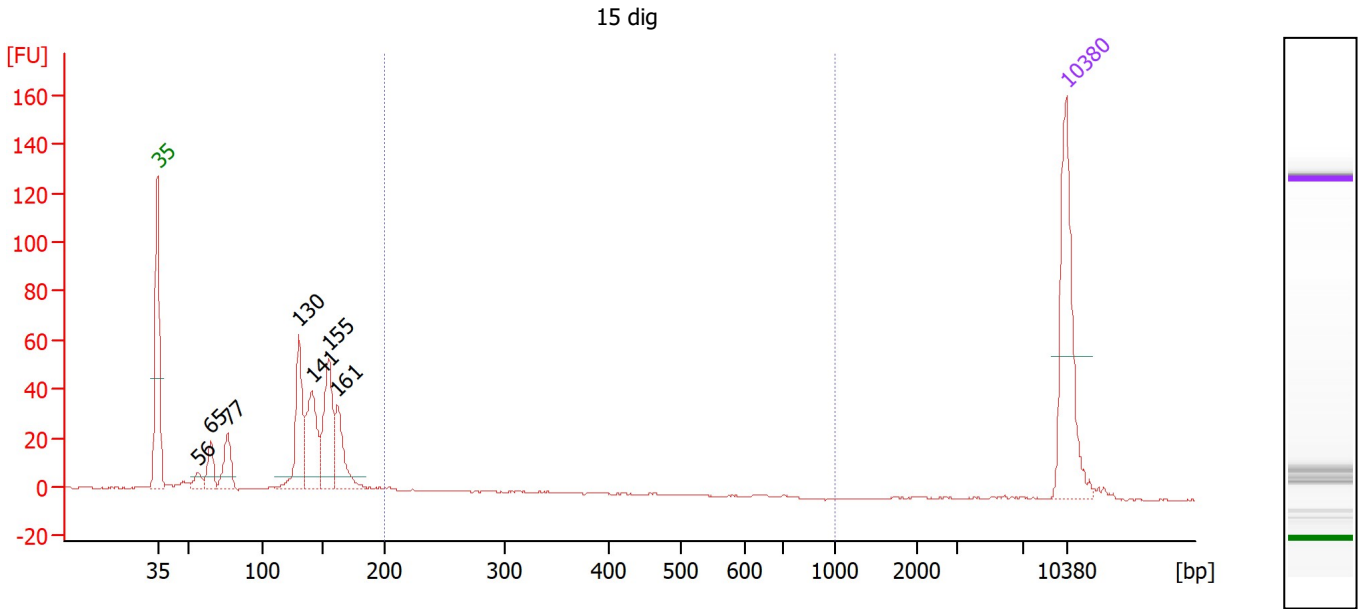
Region table for sample 3 : 14 dig

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	4.2	1	208	6.1	3.90	28.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 15 dig

Number of peaks found: 7 Corr. Area 1: 10.9
 Noise: 0.3

Peak table for sample 4 : 15 dig

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	10.55	283.8	
3	65	22.77	529.9	
4	77	33.19	655.8	
5	130	72.66	846.0	
6	141	66.03	711.7	
7	155	77.02	753.8	
8	161	43.71	410.2	
9	10,380	75.00	10.9	Upper Marker

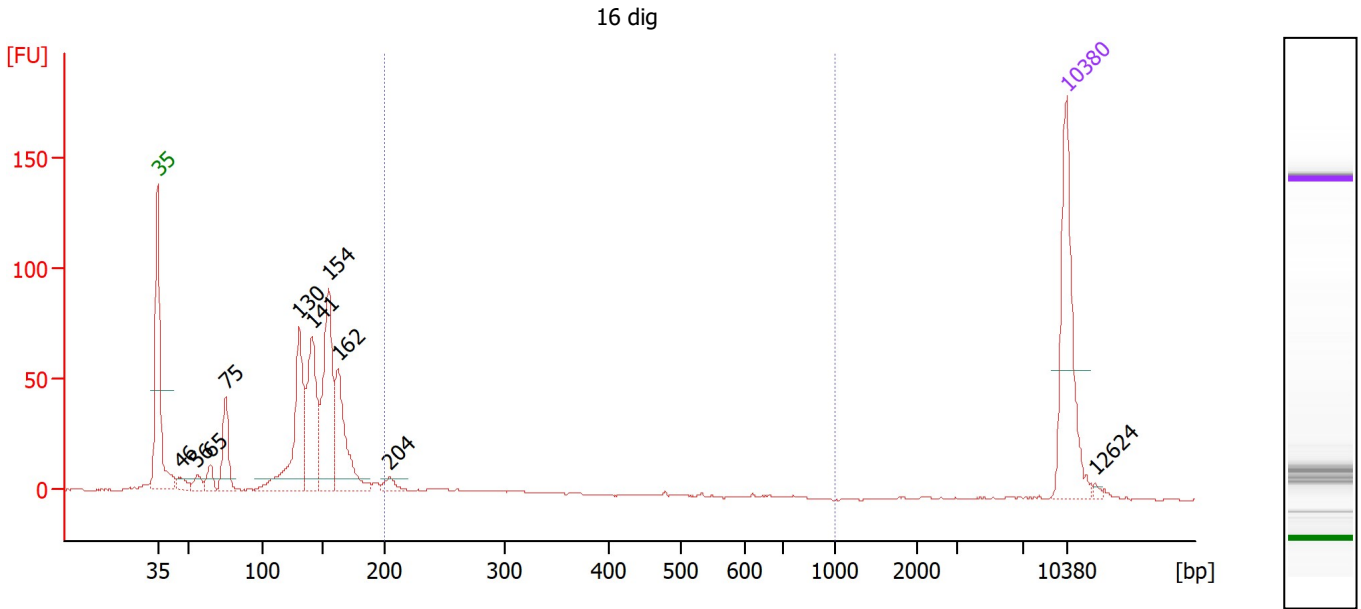
Region table for sample 4 : 15 dig

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	10.9	3	276	23.1	8.69	50.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
 Modified: 8/14/2020 11:27:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 16 dig

Number of peaks found: 10 Corr. Area 1: 26.4
 Noise: 0.3

Peak table for sample 5 : 16 dig

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	9.92	327.6	
3	56	9.96	269.6	
4	65	13.19	308.0	
5	75	44.90	902.1	
6	130	116.28	1,354.4	
7	141	100.93	1,086.9	
8	154	124.00	1,218.5	
9	162	82.77	774.5	
10	204	7.66	56.9	
11	10,380	75.00	10.9	Upper Marker
12	12,624	0.00	0.0	

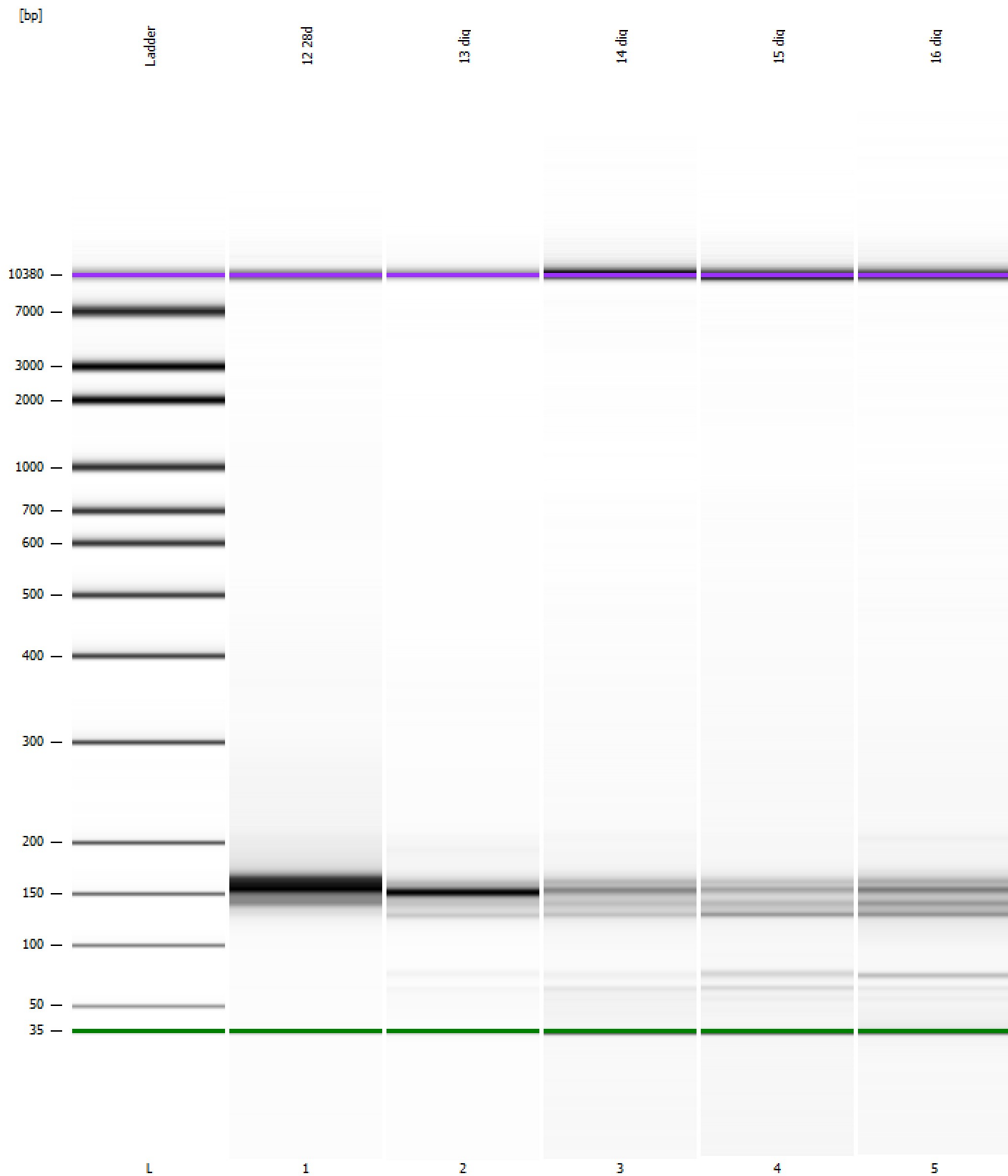
Region table for sample 5 : 16 dig

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	26.4	4	251	24.1	20.30	127.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad

Created: 8/14/2020 10:21:43 AM
Modified: 8/14/2020 11:27:43 AM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 8/14/2020 10:21:43 AM
 Data Path: Z:\... Sensitivity DNA Assay_2020-08-14_004_HiSeq2112_LibQC_2.xad Modified: 8/14/2020 11:27:43 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		8/14/2020 11:02:12 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-14\Bioanalyze r1_High Sensitivity DNA Assay_2020-08-14_004.xad)		Instrument	Run		8/14/2020 10:21:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/14/2020 10:21:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/14/2020 10:21:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/14/2020 10:21:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/14/2020 10:21:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/14/2020 10:21:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/14/2020 10:21:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB