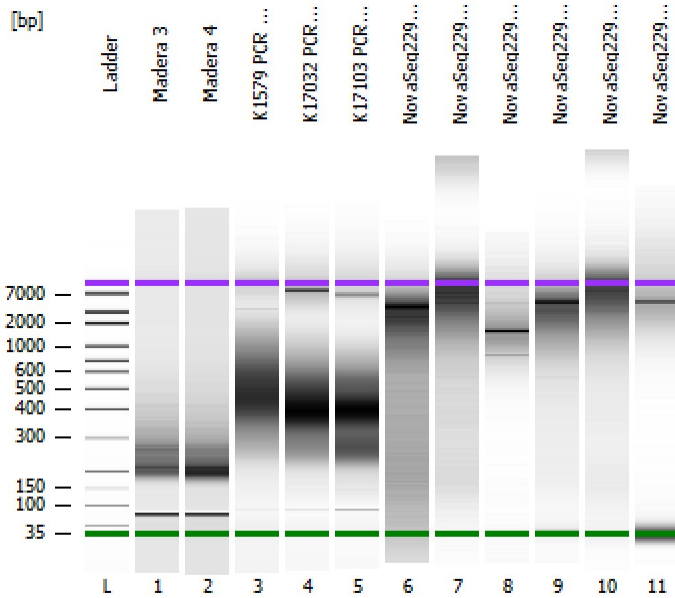


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
Modified: 7/10/2020 4:37:56 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 (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

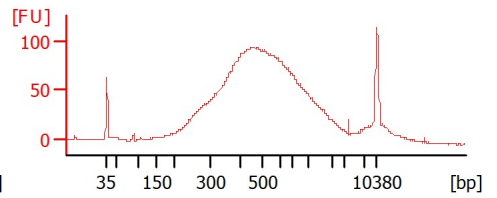
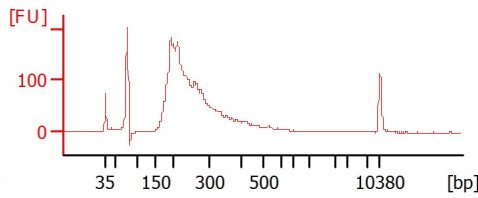
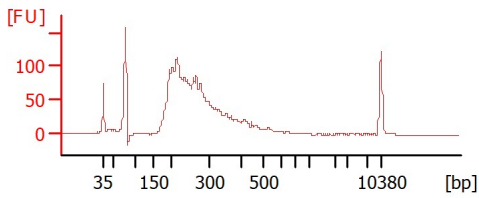
Chip Information:

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

Madera 3

Madera 4

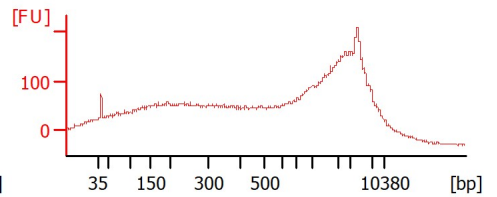
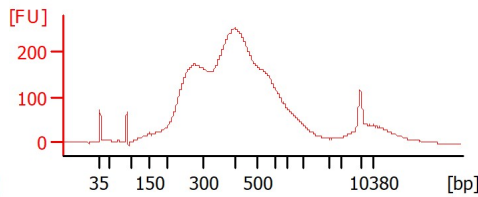
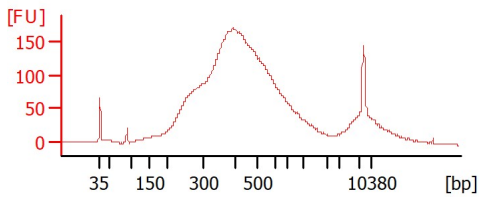
K1579 PCR Free



K17032 PCR Free

K17103 PCR Free

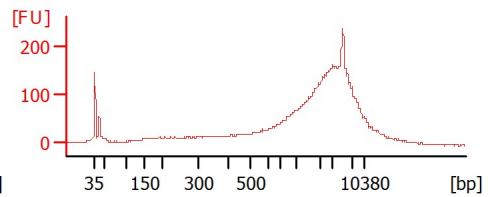
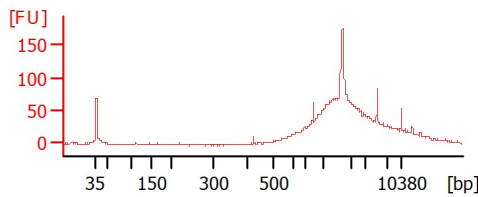
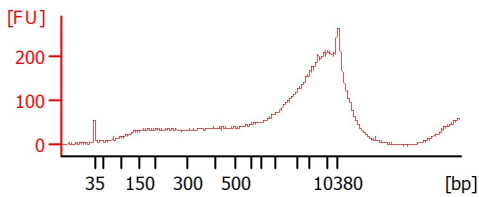
NovaSeq229-A1 gDNA RNase trt + BC (1:2)



NovaSeq229-B1 gDNA RNase trt + BC (1:2)

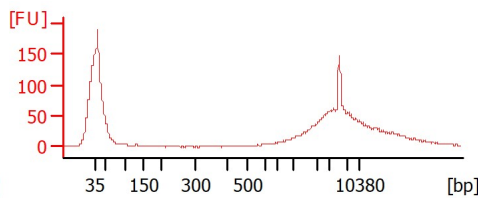
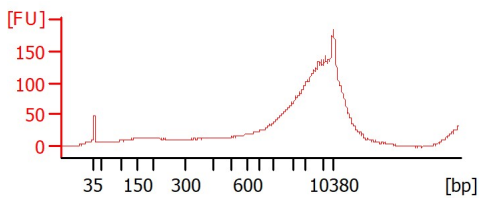
NovaSeq229-C1 gDNA RNase trt + BC (1:10)

NovaSeq229-A1 gDNA RNase trt no BC (1:2)



NovaSeq229-B1 gDNA RNase trt no BC (1:2)

NovaSeq229-C1 gDNA RNase trt no BC (1:10)



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Madera 3		<input type="checkbox"/>	✓			
Madera 4		<input type="checkbox"/>	✓			
K1579 PCR Free		<input type="checkbox"/>	✓			
K17032 PCR Free		<input type="checkbox"/>	✓			
K17103 PCR Free		<input type="checkbox"/>	✓			
NovaSeq229-A1 gDNA RNase trt + BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-B1 gDNA RNase trt + BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-C1 gDNA RNase trt + BC (1:10)		<input type="checkbox"/>	✓			
NovaSeq229-A1 gDNA RNase trt no BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-B1 gDNA RNase trt no BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-C1 gDNA RNase trt no BC (1:10)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 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

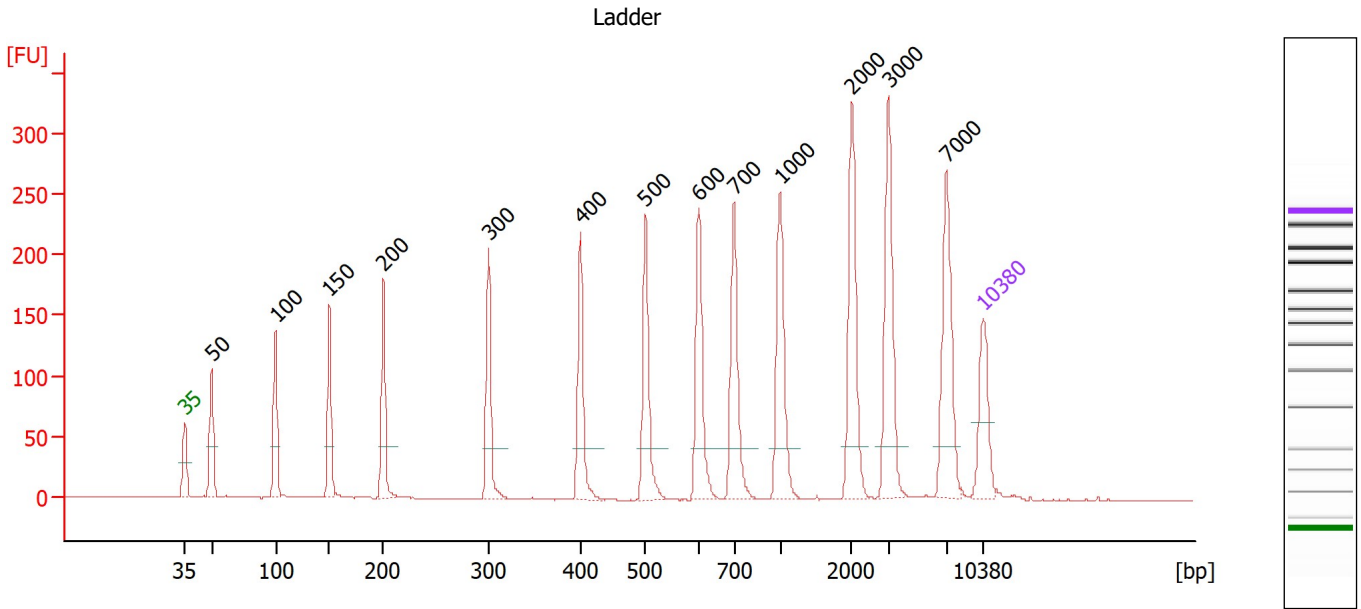
Ladder

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: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

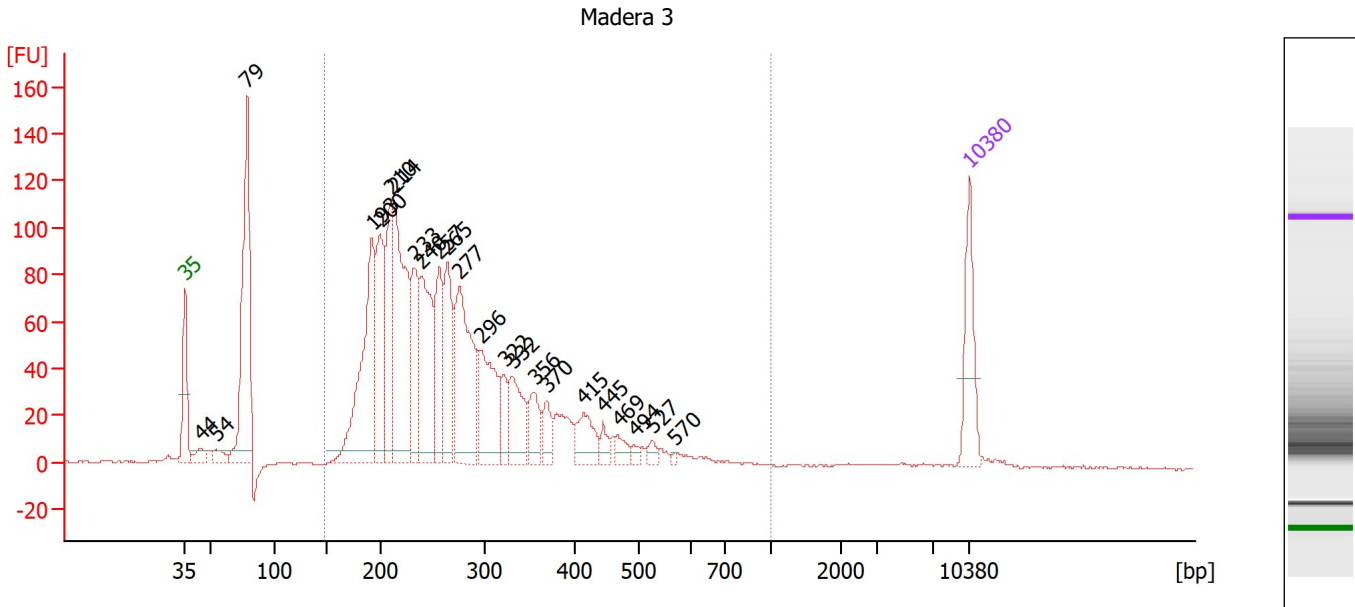
Peak table for Ladder

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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Madera 3

Number of peaks found: 23 Corr. Area 1: 1,931.0
 Noise: 0.4

Peak table for sample 1 : Madera 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	25.82	892.2	
3	54	22.54	630.6	
4	79	393.44	7,570.3	
5	193	317.70	2,499.9	
6	200	191.27	1,448.2	
7	210	148.80	1,071.7	
8	214	339.98	2,407.4	
9	233	142.62	925.5	
10	240	204.47	1,292.7	
11	257	135.51	798.5	
12	265	140.79	805.5	
13	277	250.23	1,370.5	
14	296	150.68	770.9	
15	322	42.73	201.0	
16	332	91.36	417.4	
17	356	54.74	233.1	
18	370	35.34	144.7	
19	415	57.10	208.3	
20	445	17.89	60.9	
21	469	20.08	64.9	
22	494	8.58	26.3	
23	527	11.14	32.0	
24	570	3.44	9.2	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 PM

Electropherogram Summary Continued ...

... Region table for sample 1 :

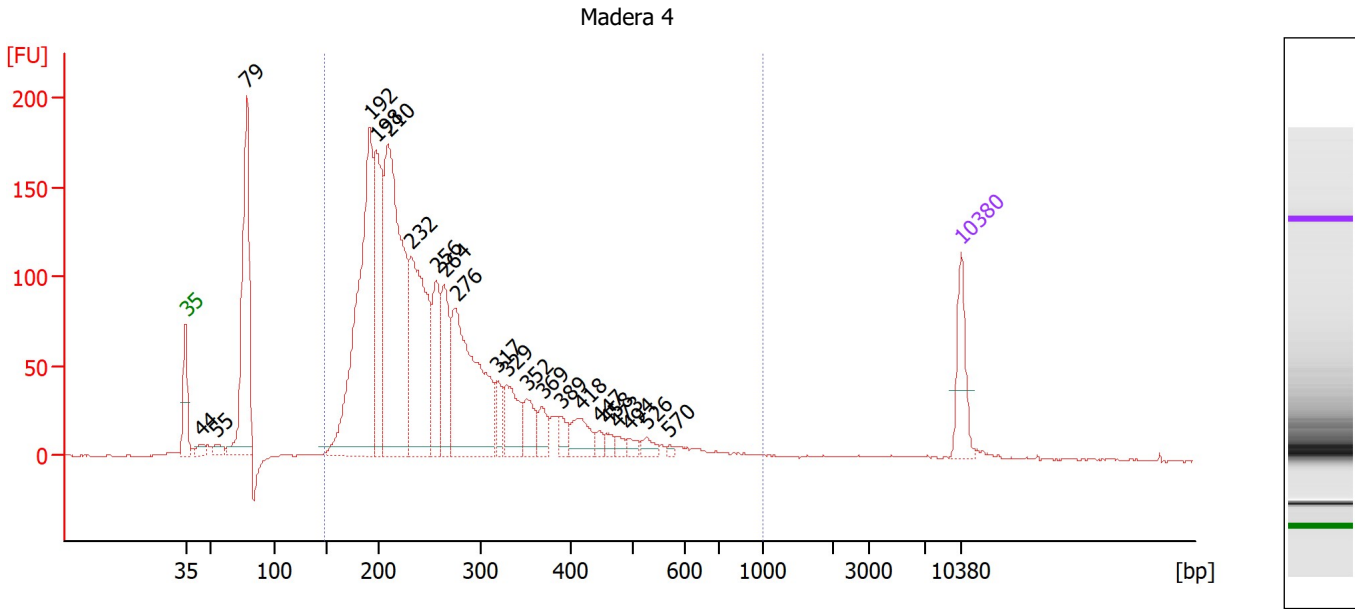
Madera 3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
148	1,000	1,931.0	86	280	33.3	2,503.63	15,083.8	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Madera 4

Number of peaks found: 22 Corr. Area 1: 2,687.5
 Noise: 0.4

Peak table for sample 2 : Madera 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	23.71	823.1	
3	55	24.93	688.1	
4	79	528.43	10,148.3	
5	192	768.47	6,062.0	
6	198	336.43	2,572.0	
7	210	787.93	5,696.3	
8	232	456.99	2,985.5	
9	256	161.84	956.6	
10	264	170.17	976.1	
11	276	473.44	2,603.0	
12	317	50.51	241.1	
13	329	106.32	489.2	
14	352	64.58	277.9	
15	369	45.23	185.8	
16	389	27.66	107.9	
17	418	63.14	229.1	
18	447	18.46	62.5	
19	458	16.44	54.4	
20	473	15.55	49.8	
21	494	14.65	44.9	
22	526	20.17	58.1	
23	570	5.33	14.2	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 PM

Electropherogram Summary Continued ...

... Region table for sample 2 :

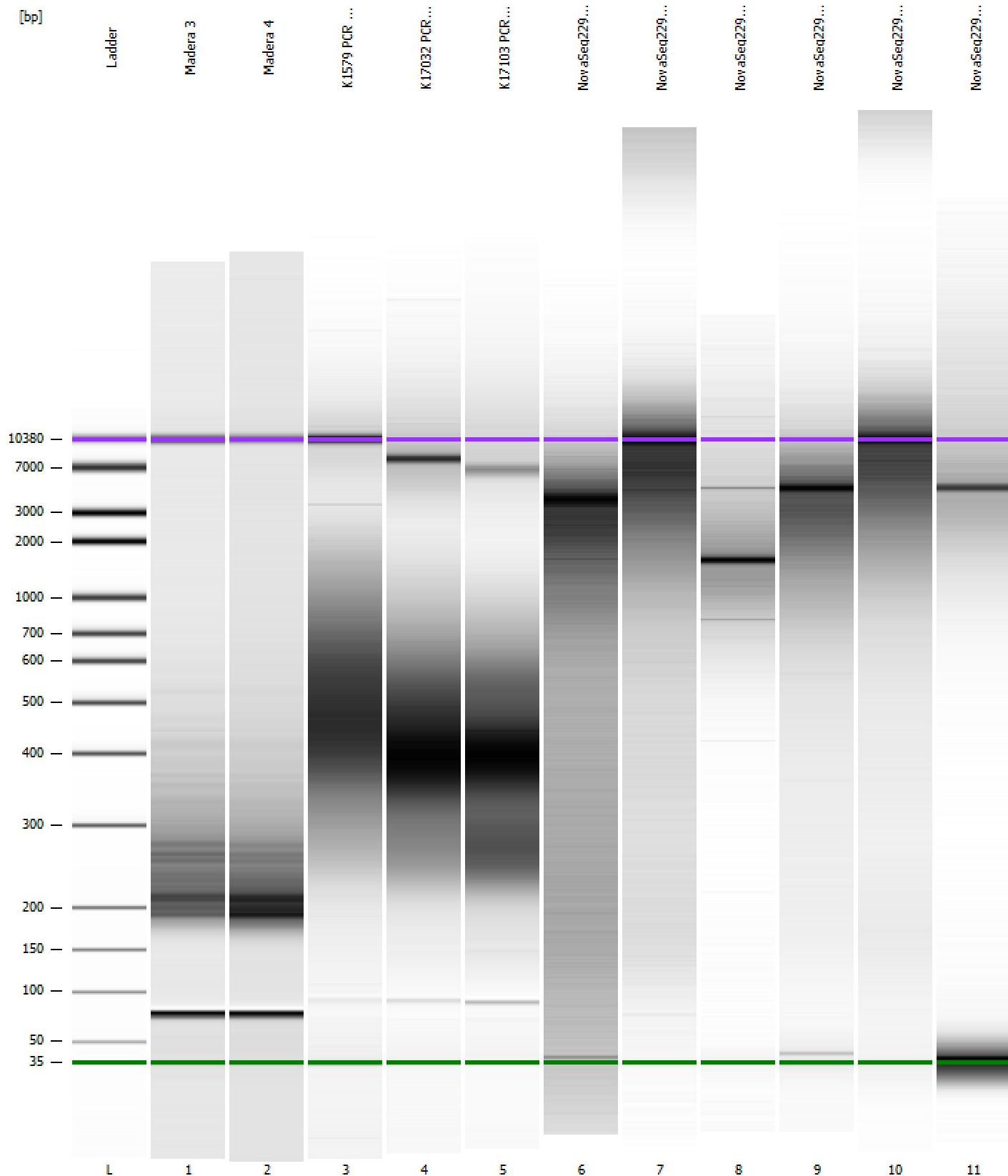
Madera 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
149	1,000	2,687.5	86	269	37.1	3,721.60	23,649.0	■

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
Modified: 7/10/2020 4:37:56 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:37:56 PM

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		7/10/2020 4:13:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-10\Bioanalyze r1_High Sensitivity DNA Assay_2020-07-10_001.xad)		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB