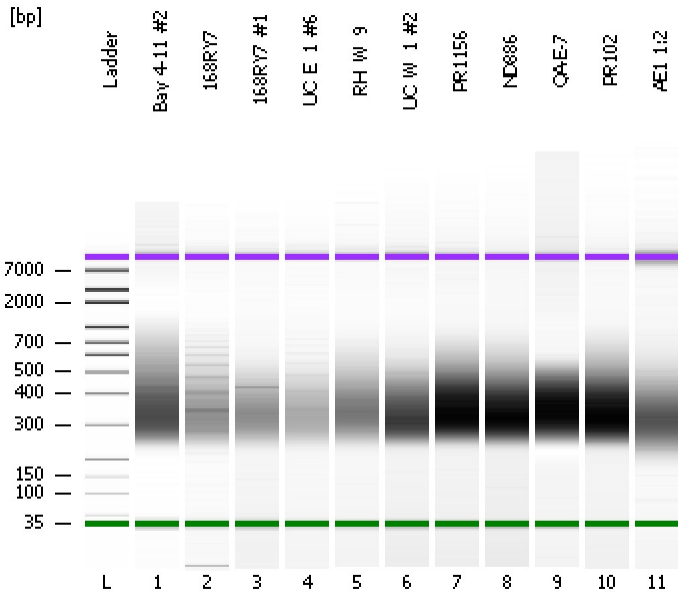


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
Modified: 6/24/2014 3:13:22 PM

Electrophoresis File Run Summary



Instrument Information:

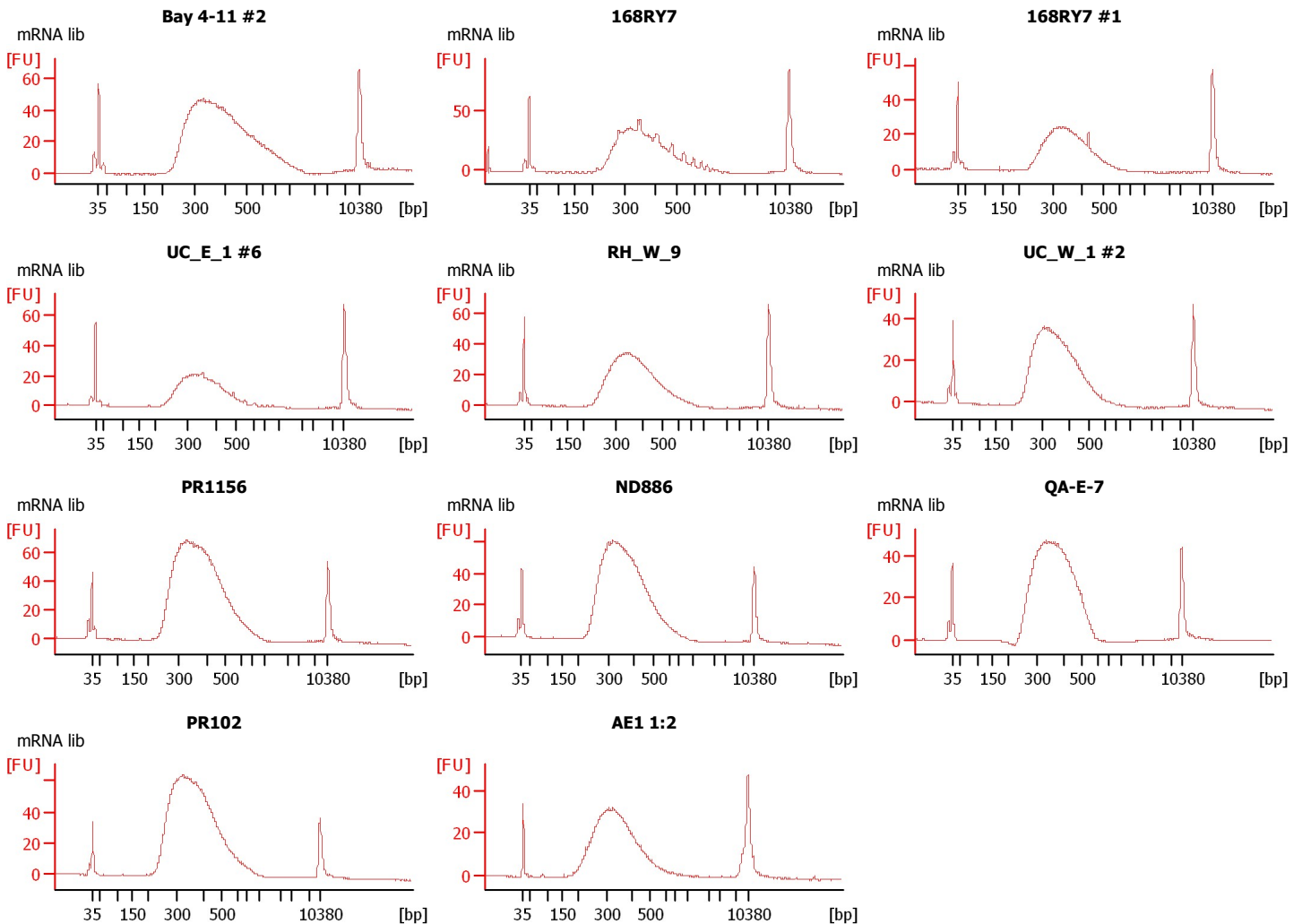
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
Modified: 6/24/2014 3:13:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Bay 4-11 #2	mRNA lib	<input type="checkbox"/>	✓			
168RY7	mRNA lib	<input type="checkbox"/>	✓			
168RY7 #1	mRNA lib	<input type="checkbox"/>	✓			
UC_E_1 #6	mRNA lib	<input type="checkbox"/>	✓			
RH_W_9	mRNA lib	<input type="checkbox"/>	✓			
UC_W_1 #2	mRNA lib	<input type="checkbox"/>	✓			
PR1156	mRNA lib	<input type="checkbox"/>	✓			
ND886	mRNA lib	<input type="checkbox"/>	✓			
QA-E-7	mRNA lib	<input type="checkbox"/>	✓			
PR102	mRNA lib	<input type="checkbox"/>	✓			
AE1 1:2		<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\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
Modified: 6/24/2014 3:13:22 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] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

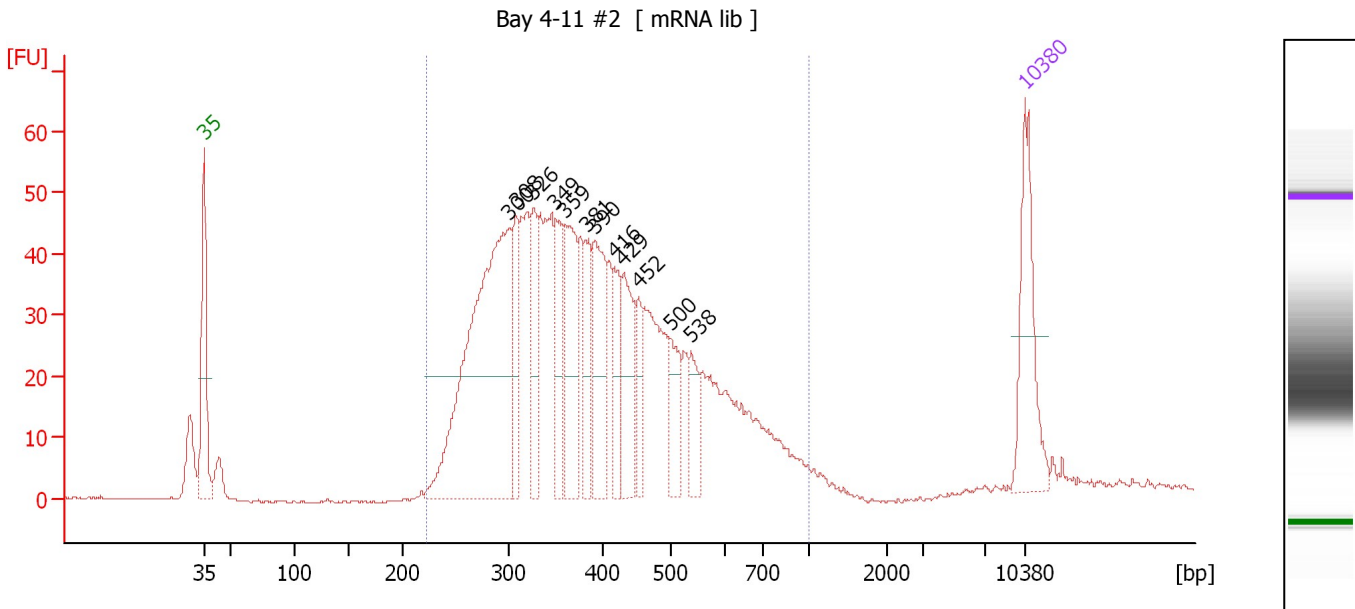
Ladder

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\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
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Electropherogram Summary



Overall Results for sample 1 : Bay 4-11 #2

Number of peaks found: 12 Corr. Area 1: 1,172.6
 Noise: 0.2

Peak table for sample 1 : Bay 4-11 #2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	300	440.39	2,222.7	
3	308	69.13	340.6	
4	326	68.10	316.5	
5	349	62.24	270.1	
6	359	109.73	462.8	
7	381	57.30	227.8	
8	390	98.36	382.0	
9	416	54.41	198.0	
10	429	76.41	269.7	
11	452	34.81	116.6	
12	500	43.79	132.8	
13	538	37.20	104.8	
14	10,380	75.00	10.9	Upper Marker

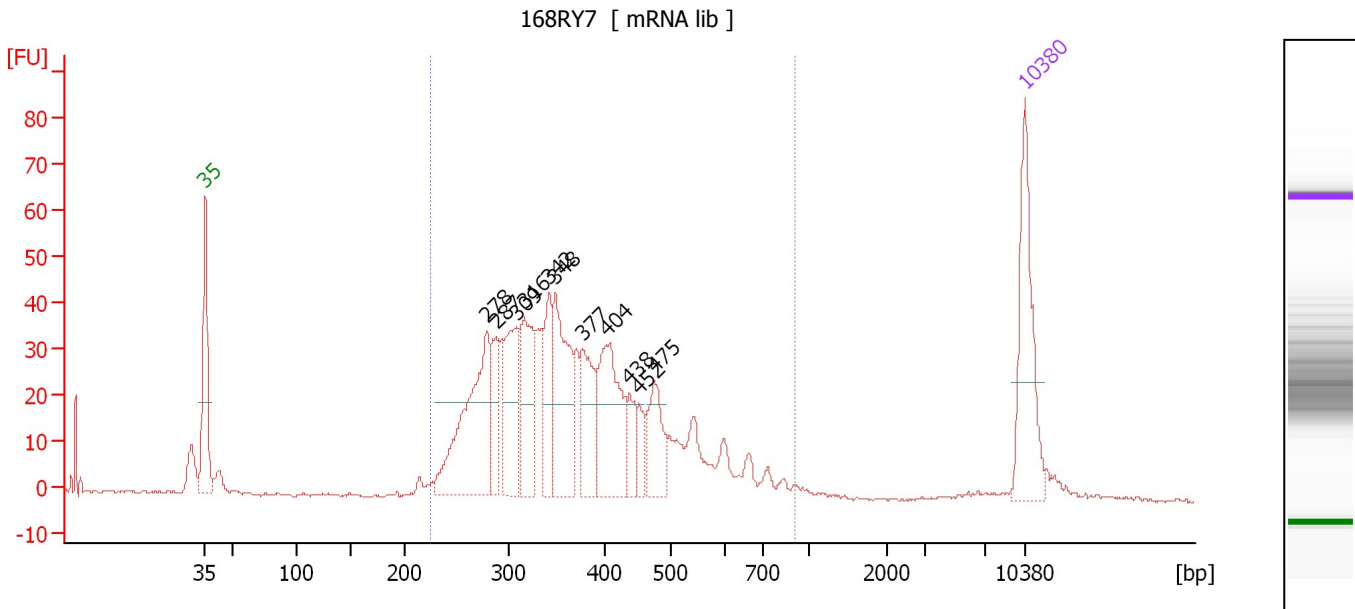
Region table for sample 1 : Bay 4-11 #2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
222	1,000	407	7,437.1	1,782.00	1,172.6	96	31.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
 Modified: 6/24/2014 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 168RY7

Number of peaks found: 11 Corr. Area 1: 749.4
 Noise: 0.4

Peak table for sample 2 : 168RY7

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	278	166.93	908.4	
3	287	44.78	236.4	
4	309	88.78	436.0	
5	316	85.49	410.2	
6	342	59.64	264.4	
7	348	109.47	476.0	
8	377	63.60	255.5	
9	404	106.90	400.6	
10	438	26.11	90.3	
11	452	18.42	61.7	
12	475	49.72	158.6	
13	10,380	75.00	10.9	Upper Marker

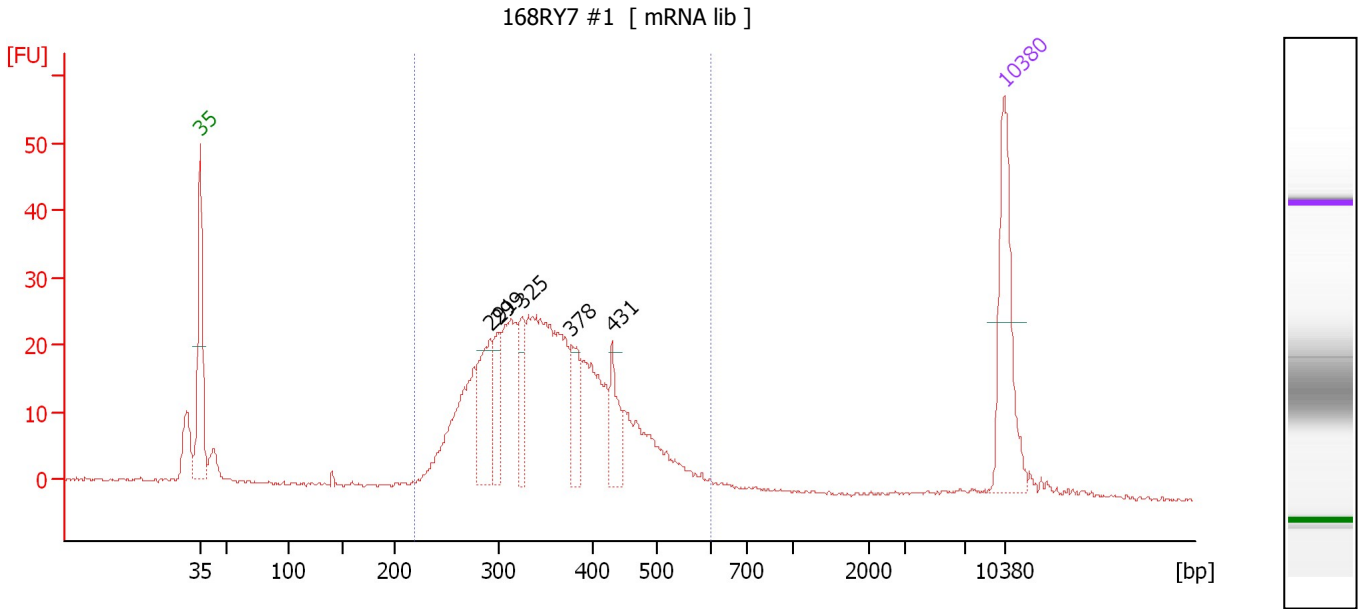
Region table for sample 2 : 168RY7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
225	907	376	3,896.9	895.54	749.4	96	25.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
 Modified: 6/24/2014 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 168RY7 #1

Number of peaks found: 5 Corr. Area 1: 499.2
 Noise: 0.3

Peak table for sample 3 : 168RY7 #1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	291	73.23	381.0	
3	299	38.99	197.6	
4	325	37.44	174.4	
5	378	45.66	183.1	
6	431	36.09	127.0	
7	10,380	75.00	10.9	Upper Marker

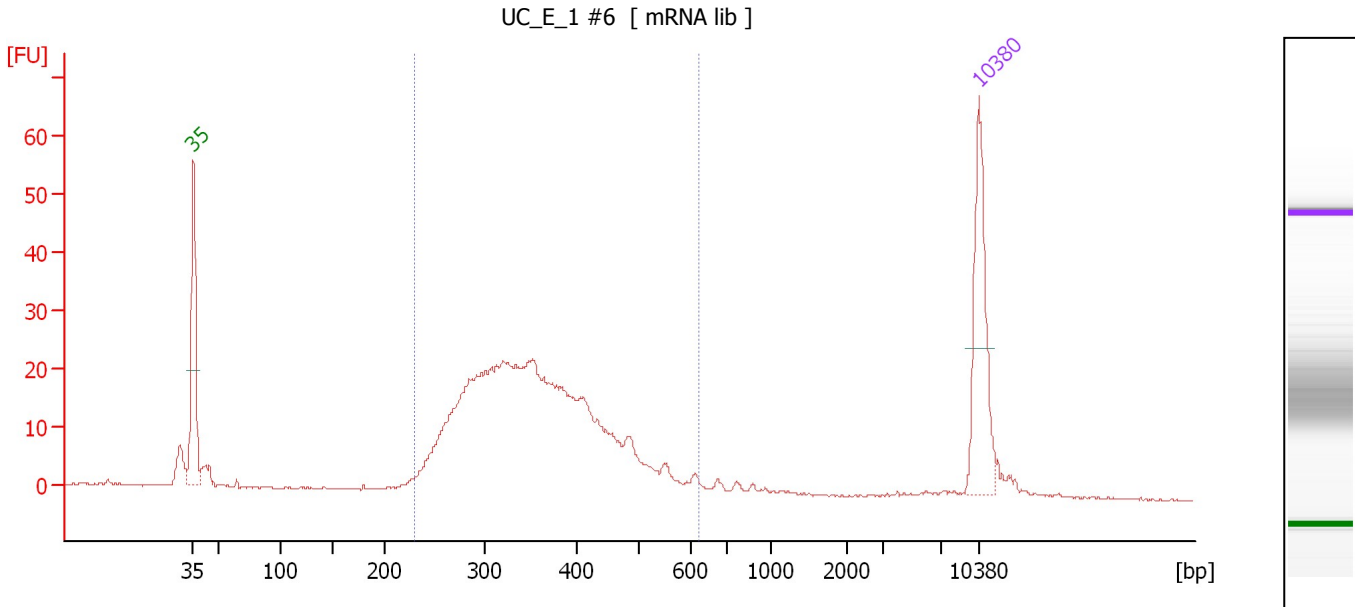
Region table for sample 3 : 168RY7 #1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
219	602	358	3,825.3	855.50	499.2	91	20.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : UC E 1 #6

Number of peaks found: 0 Corr. Area 1: 439.9
 Noise: 0.2

Peak table for sample 4 : UC E 1 #6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

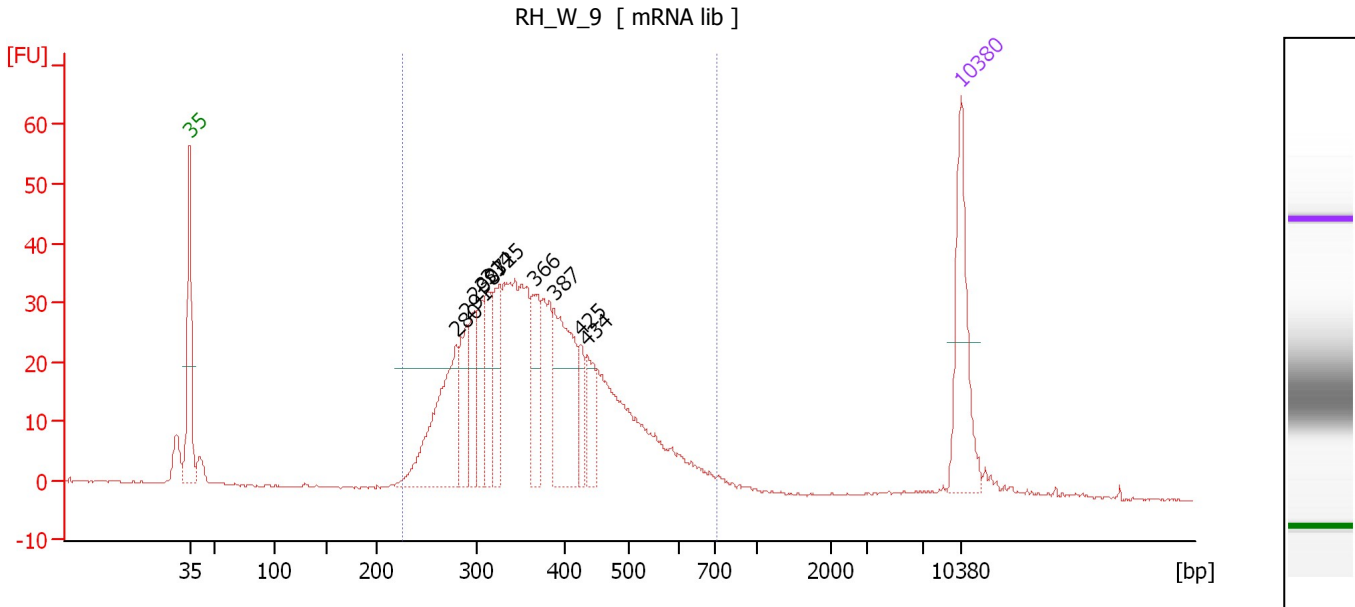
Region table for sample 4 : UC E 1 #6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
231	622	360	3,112.0	697.40	439.9	90	21.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : RH_W_9

Number of peaks found: 10 Corr. Area 1: 728.8
 Noise: 0.2

Peak table for sample 5 : RH_W_9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	280	151.79	821.5	
3	291	53.89	280.9	
4	298	52.49	267.2	
5	307	47.54	234.7	
6	314	56.74	273.7	
7	325	56.97	265.2	
8	366	66.14	273.7	
9	387	124.30	486.6	
10	425	28.31	100.9	
11	434	37.38	130.4	
12	10,380	75.00	10.9	Upper Marker

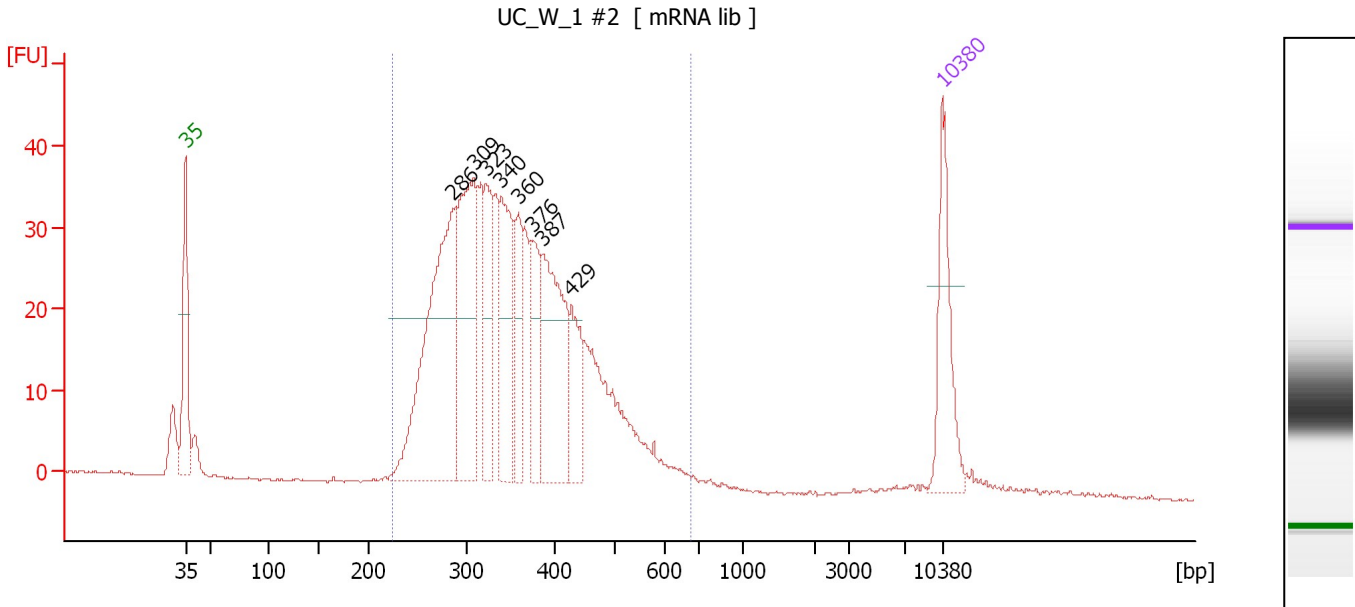
Region table for sample 5 : RH_W_9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
226	722	379	5,005.3	1,165.95	728.8	94	23.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : UC W 1 #2

Number of peaks found: 8 Corr. Area 1: 728.3
 Noise: 0.1

Peak table for sample 6 : UC W 1 #2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	286	348.08	1,845.4	
3	309	221.84	1,089.5	
4	323	99.75	468.6	
5	340	129.54	576.9	
6	360	59.31	249.8	
7	376	75.65	304.7	
8	387	168.59	659.8	
9	429	67.32	238.0	
10	10,380	75.00	10.9	Upper Marker

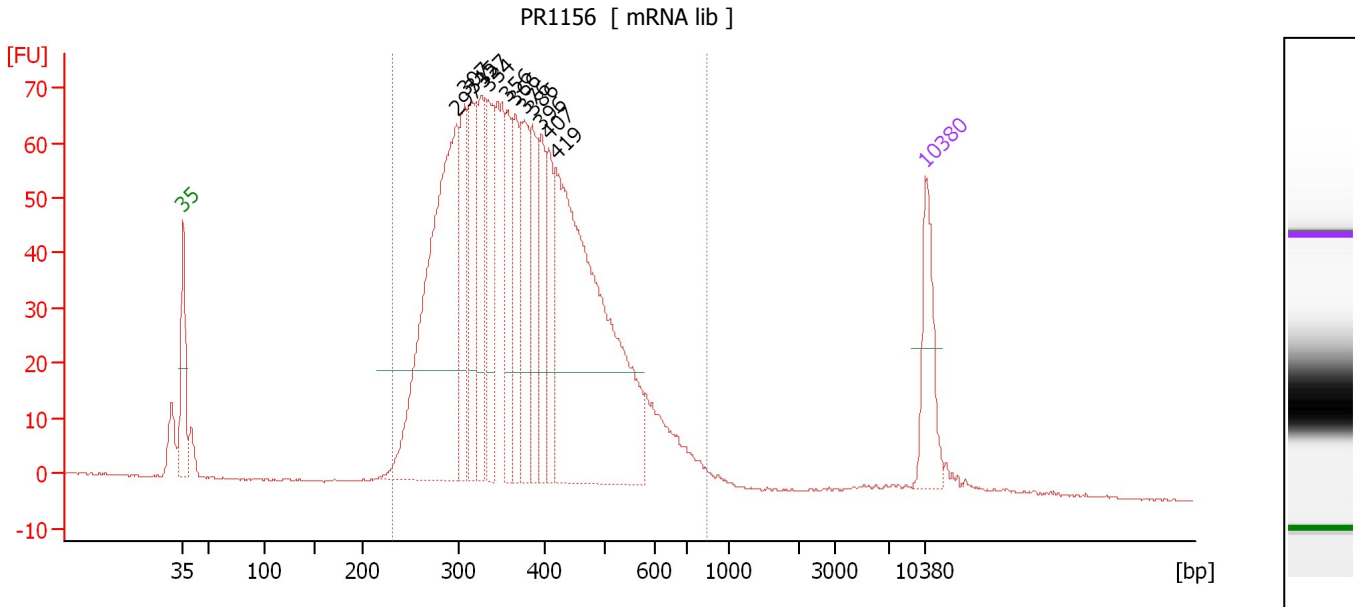
Region table for sample 6 : UC W 1 #2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
224	677	360	7,071.9	1,579.90	728.3	95	21.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
 Modified: 6/24/2014 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PR1156

Number of peaks found: 12 Corr. Area 1: 1,575.2
 Noise: 0.2

Peak table for sample 7 : PR1156

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	297	629.25	3,205.7	
3	307	149.58	738.1	
4	315	160.11	769.8	
5	327	129.82	601.6	
6	334	126.54	574.4	
7	356	108.57	462.7	
8	366	112.50	465.5	
9	376	140.01	564.1	
10	386	118.54	465.3	
11	396	91.81	351.3	
12	407	93.05	346.7	
13	419	659.31	2,383.6	
14	10,380	75.00	10.9	Upper Marker

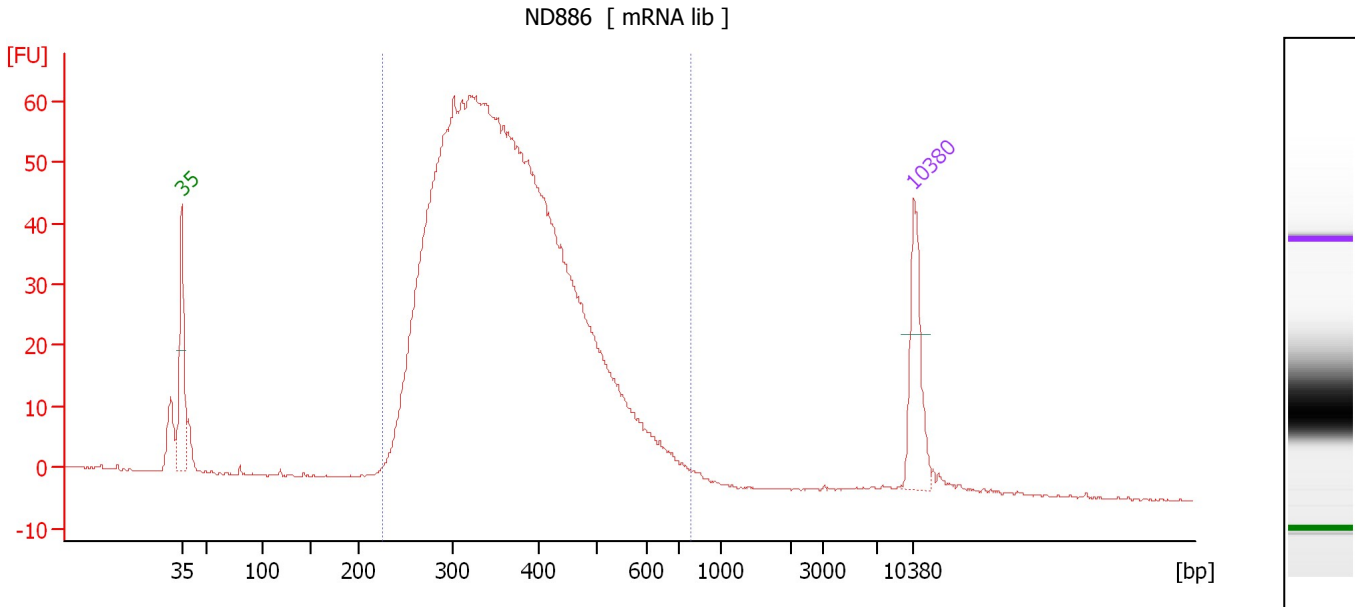
Region table for sample 7 : PR1156

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
231	844	387	12,301.5	2,900.53	1,575.2	96	25.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
 Modified: 6/24/2014 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : ND886

Number of peaks found: 0 Corr. Area 1: 1,305.1
 Noise: 0.2

Peak table for sample 8 : ND886

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

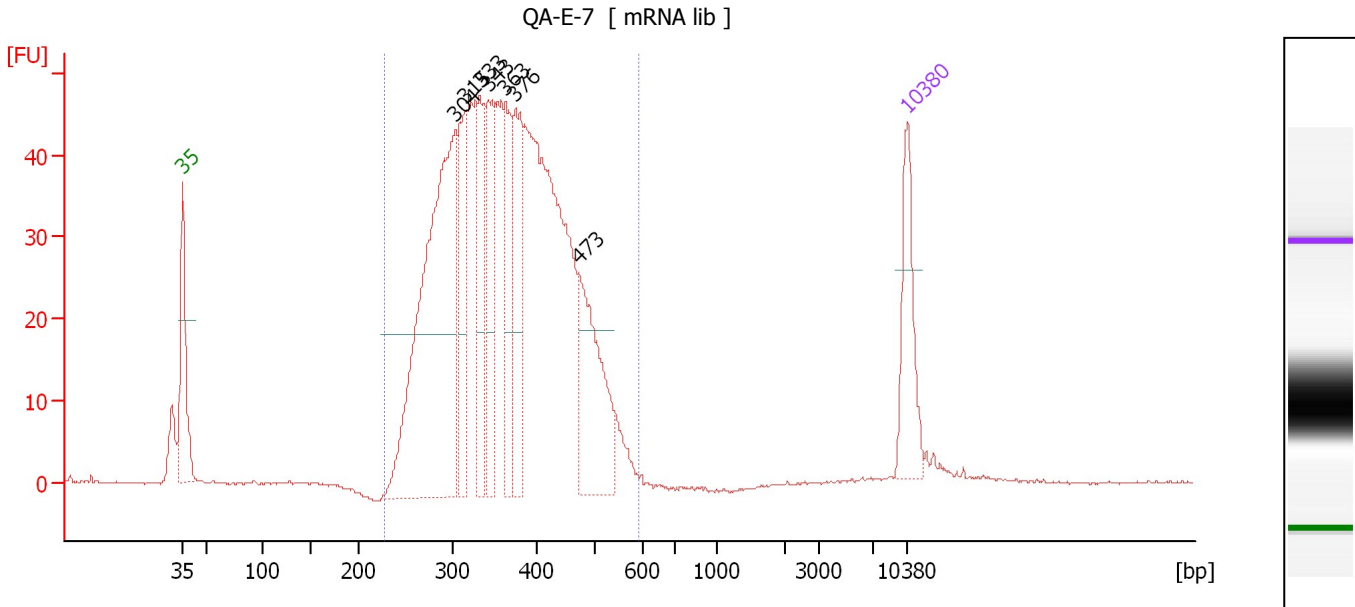
Region table for sample 8 : ND886

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
225	776	373	12,902.9	2,954.35	1,305.1	96	24.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
 Modified: 6/24/2014 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QA-E-7

Number of peaks found: 7 Corr. Area 1: 936.0
 Noise: 0.2

Peak table for sample 9 : QA-E-7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	304	582.83	2,907.5	
3	315	129.57	622.9	
4	333	129.68	590.1	
5	343	134.35	593.2	
6	363	118.33	494.1	
7	376	141.78	571.9	
8	473	172.44	552.3	
9	10,380	75.00	10.9	Upper Marker

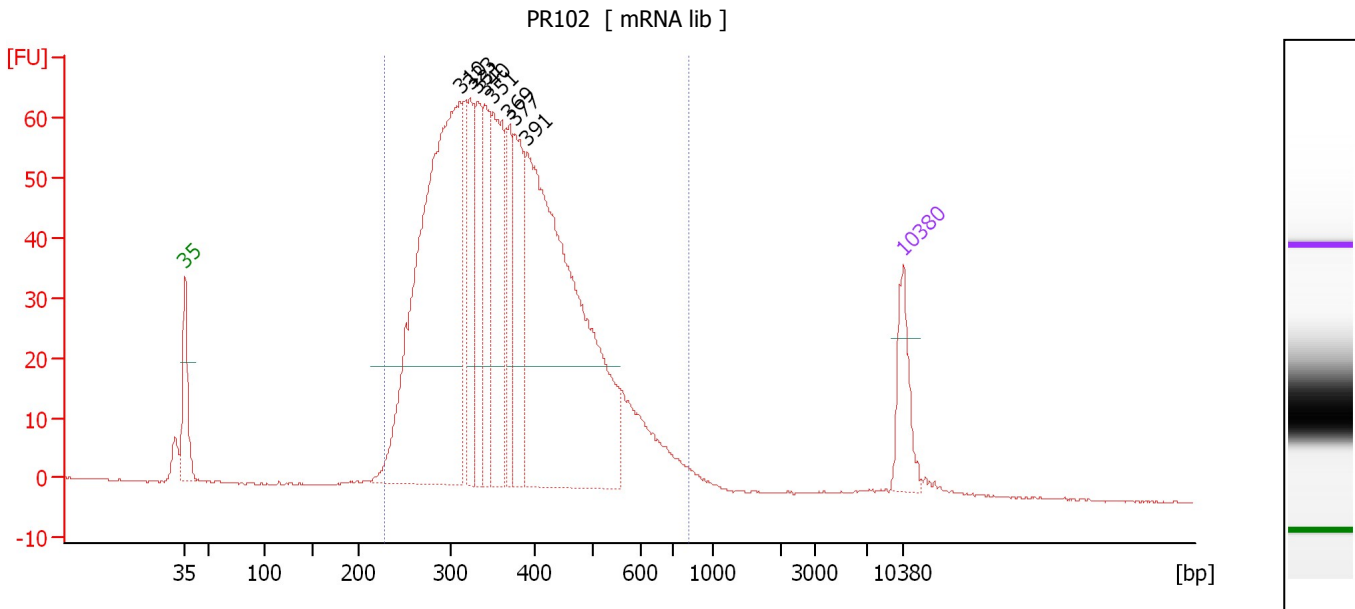
Region table for sample 9 : QA-E-7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
228	594	368	9,494.6	2,194.16	936.0	97	19.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
 Modified: 6/24/2014 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : PR102

Number of peaks found: 8 Corr. Area 1: 1,412.2
 Noise: 0.1

Peak table for sample 10 : PR102

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	310	1,182.76	5,774.8	
3	323	159.37	747.2	
4	331	167.56	767.3	
5	340	174.03	775.8	
6	351	273.72	1,182.2	
7	369	143.19	587.2	
8	377	204.40	821.1	
9	391	1,049.95	4,072.1	
10	10,380	75.00	10.9	Upper Marker

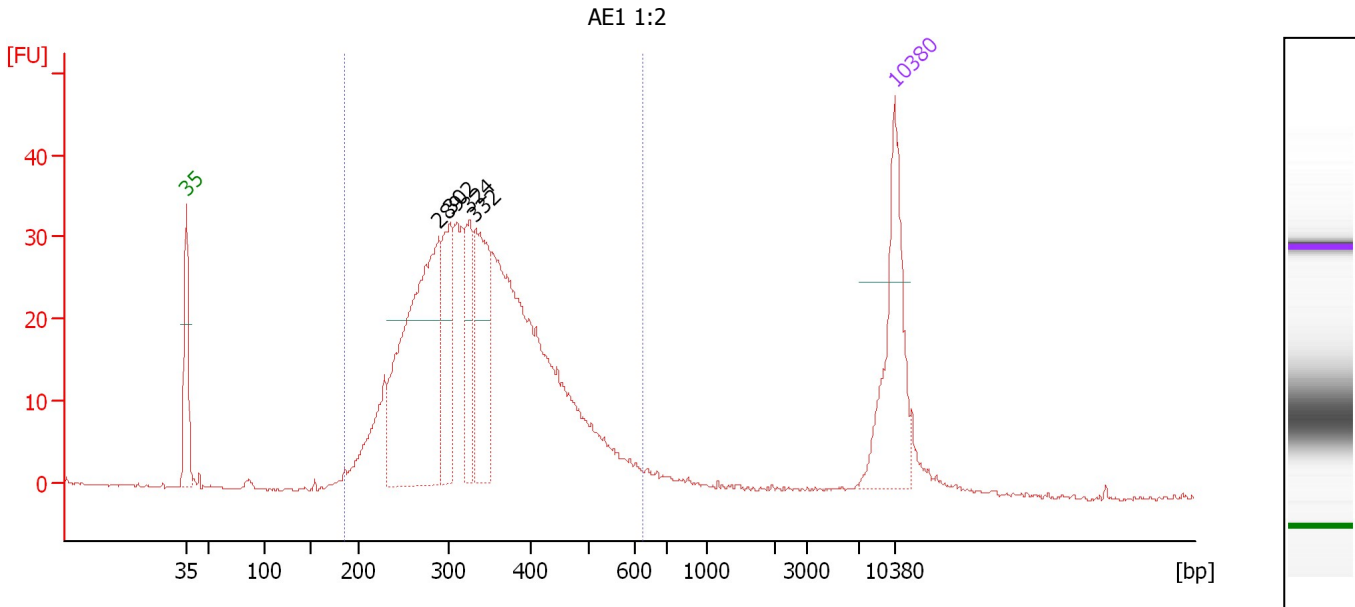
Region table for sample 10 : PR102

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
229	823	378	15,998.5	3,685.29	1,412.2	97	25.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

Created: 6/24/2014 2:25:08 PM
 Modified: 6/24/2014 3:13:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : AE1 1:2

Number of peaks found: 4 Corr. Area 1: 680.2
 Noise: 0.2

Peak table for sample 11 : AE1 1:2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	289	266.02	1,396.8	
3	302	78.78	395.8	
4	324	58.60	273.8	
5	332	99.59	454.3	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : AE1 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
185	625	343	4,956.6	1,041.69	680.2	94	24.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-24\2014-06-24_001.xad

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