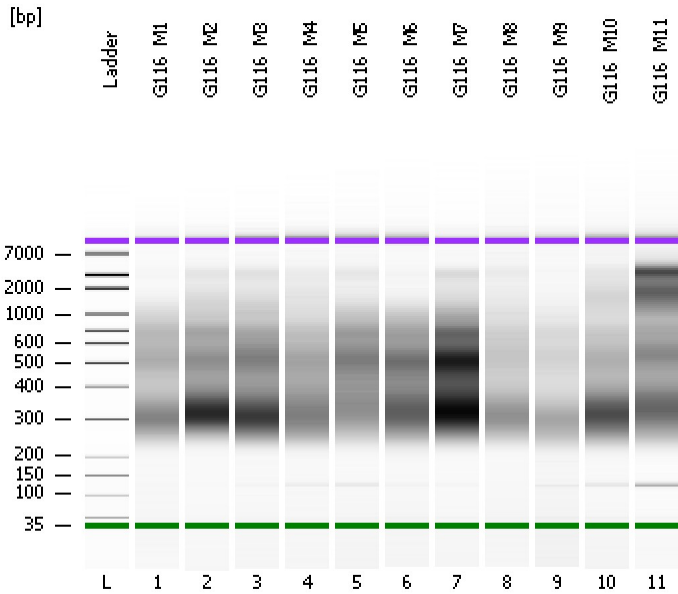


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
Modified: 5/4/2015 11:31:25 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72900959 Firmware: C.01.069
Serial#: DE72900959 Type: G2939A

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

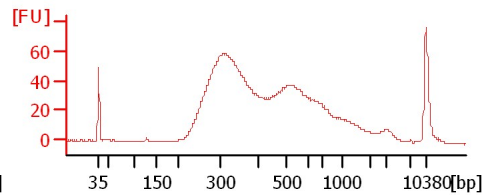
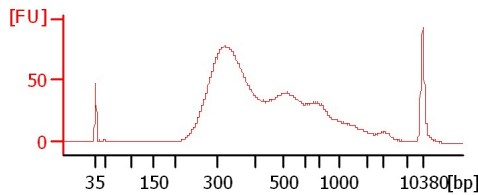
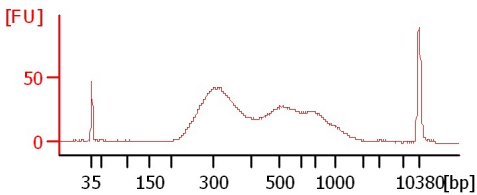
Chip Information:

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

G116_M1

G116_M2

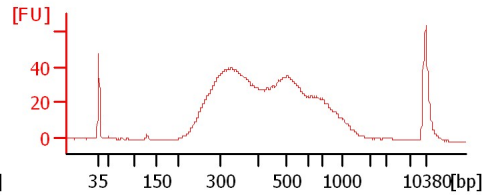
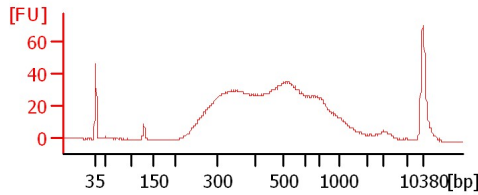
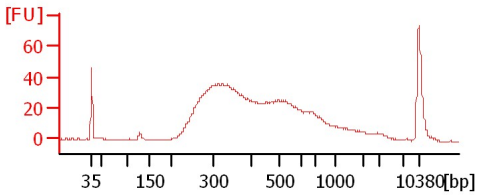
G116_M3



G116_M4

G116_M5

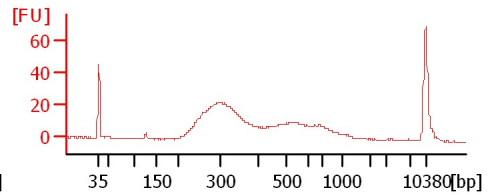
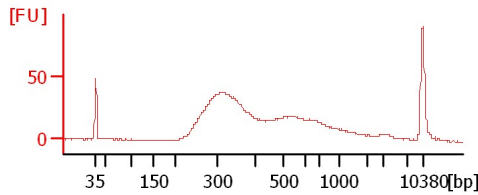
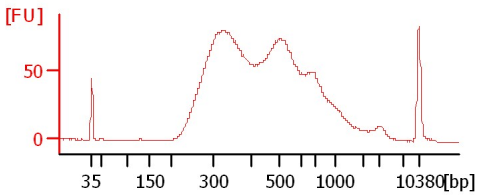
G116_M6



G116_M7

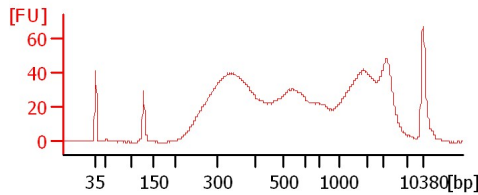
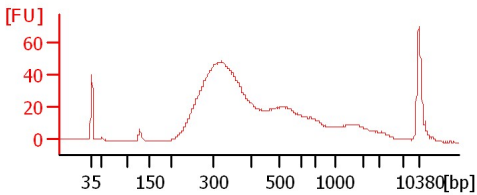
G116_M8

G116_M9



G116_M10

G116_M11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
G116_M1		<input type="checkbox"/>				
G116_M2		<input type="checkbox"/>				
G116_M3		<input type="checkbox"/>				
G116_M4		<input type="checkbox"/>				
G116_M5		<input type="checkbox"/>				
G116_M6		<input type="checkbox"/>				
G116_M7		<input type="checkbox"/>				
G116_M8		<input type="checkbox"/>				
G116_M9		<input type="checkbox"/>				
G116_M10		<input type="checkbox"/>				
G116_M11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

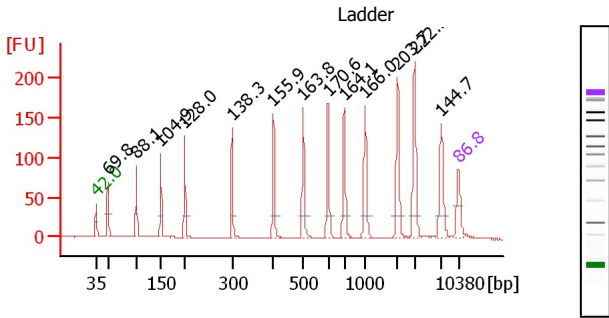
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electropherogram Summary



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

Overall Results for Ladder

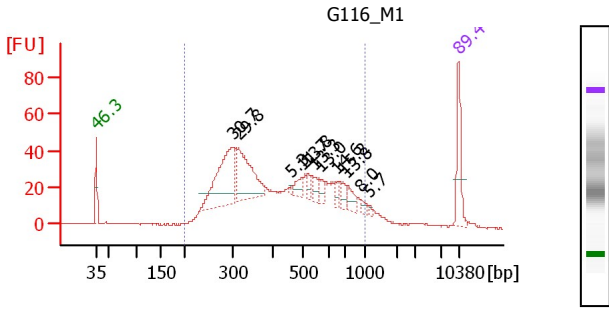
Noise: 0.3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
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: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : G116 M1

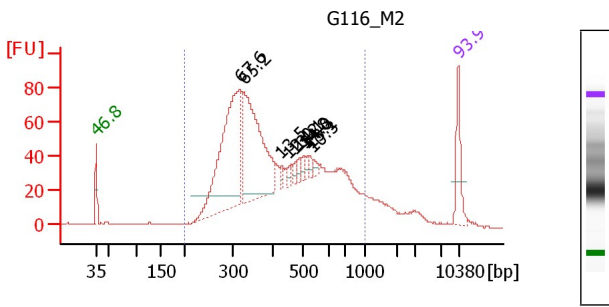
Number of peaks found: 12
 Noise: 0.4
 Corr. Area 1: 1,149.3

Region table for sample 1 : G116 M1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	1,149.3	90	448	38.7	1,696.08	6,929.5	■

Peak table for sample 1 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	303	296.65	1,485.3	
3	316	209.42	1,005.0	
4	460	5.60	18.4	
5	498	31.64	96.2	
6	519	17.16	50.1	
7	543	23.84	66.5	
8	569	20.12	53.6	
9	656	15.94	36.8	
10	693	20.23	44.2	
11	748	34.24	69.3	
12	943	10.54	16.9	
13	1,130	4.79	6.4	
14	10,380	75.00	10.9	Upper Marker



Overall Results for sample 2 : G116 M2

Number of peaks found: 10
 Noise: 0.2
 Corr. Area 1: 1,825.9

Region table for sample 2 : G116 M2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	1,825.9	92	436	36.7	2,418.01	9,827.6	■

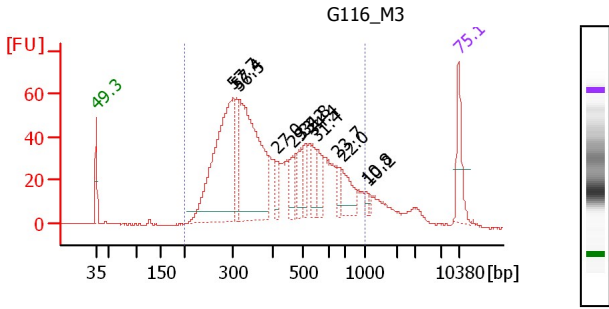
Peak table for sample 2 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	319	645.83	3,067.5	
3	329	502.26	2,313.6	
4	427	12.30	43.7	
5	454	14.42	48.1	
6	475	13.31	42.5	
7	488	16.28	50.6	
8	503	19.85	59.8	
9	518	14.20	41.5	
10	529	12.25	35.1	
11	540	14.41	40.4	
12	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : G116 M3

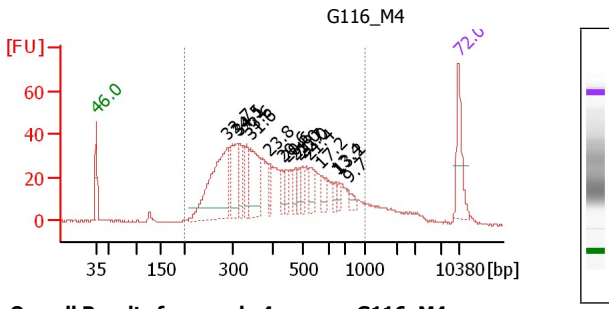
Number of peaks found: 13
 Noise: 0.3
 Corr. Area 1: 1,541.1

Region table for sample 3 : G116 M3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	1,541.1	92	435	37.2	2,251.01	9,279.6	■

Peak table for sample 3 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	303	634.68	3,177.2	
3	312	77.75	378.0	
4	317	575.28	2,747.3	
5	408	38.52	142.9	
6	465	57.22	186.5	
7	492	50.55	155.5	
8	511	57.88	171.7	
9	537	54.00	152.4	
10	559	58.27	158.1	
11	656	34.14	78.9	
12	690	75.02	164.7	
13	1,031	8.23	12.1	
14	1,131	8.39	11.2	
15	10,380	75.00	10.9	Upper Marker



Overall Results for sample 4 : G116 M4

Number of peaks found: 16
 Noise: 0.3
 Corr. Area 1: 1,081.5

Region table for sample 4 : G116 M4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	1,081.5	91	432	36.5	1,580.66	6,516.1	■

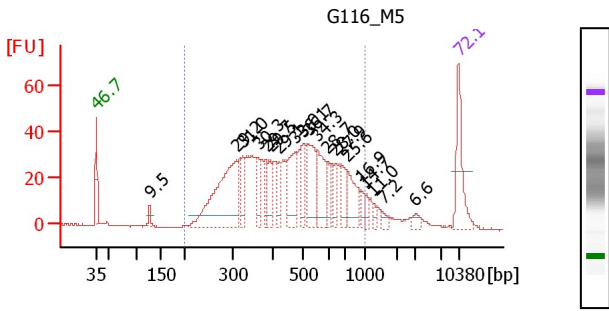
Peak table for sample 4 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	291	324.94	1,693.5	
3	312	105.39	512.3	
4	317	53.40	254.9	
5	336	58.90	265.9	
6	345	143.40	630.1	
7	388	29.11	113.6	
8	428	29.37	103.9	
9	444	22.12	75.4	
10	475	25.25	80.6	
11	487	24.09	75.0	
12	497	27.57	84.0	
13	522	44.78	129.9	
14	575	30.39	80.1	
15	650	14.33	33.4	
16	666	12.32	28.0	
17	761	17.40	34.6	
18	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : G116 M5

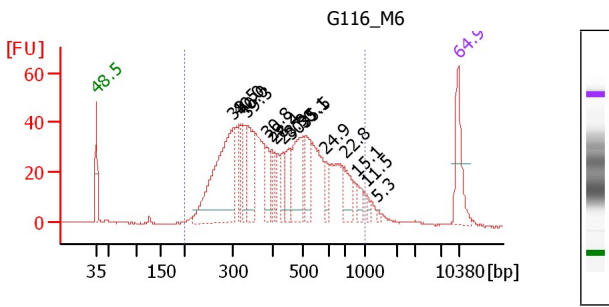
Number of peaks found: 20
 Noise: 0.2
 Corr. Area 1: 1,108.2

Region table for sample 5 : G116 M5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	1,108.2	92	476	34.8	1,398.76	5,241.3	■

Peak table for sample 5 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	127	16.69	199.3	
3	311	288.77	1,405.9	
4	326	42.25	196.5	
5	362	43.14	180.5	
6	382	30.66	121.6	
7	393	40.82	157.4	
8	419	28.14	101.7	
9	473	94.28	301.7	
10	499	38.38	116.6	
11	523	98.16	284.1	
12	557	87.58	238.1	
13	599	26.00	65.8	
14	649	25.67	59.9	
15	681	44.97	100.0	
16	739	68.13	139.6	
17	935	18.77	30.4	
18	1,023	12.24	18.1	
19	1,268	6.74	8.0	
20	1,528	7.88	7.8	
21	3,184	10.27	4.9	
22	10,380	75.00	10.9	Upper Marker



Overall Results for sample 6 : G116 M6

Number of peaks found: 16
 Noise: 0.2
 Corr. Area 1: 1,231.1

Region table for sample 6 : G116 M6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	1,231.1	96	450	36.0	1,744.03	6,914.6	■

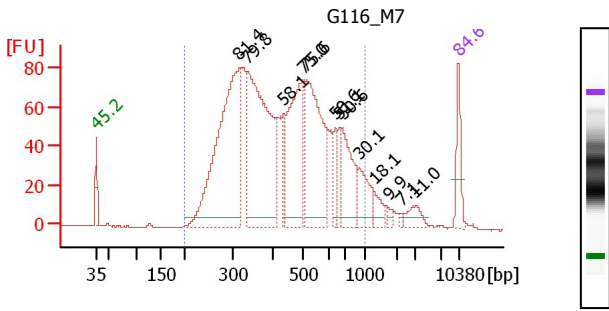
Peak table for sample 6 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	303	390.39	1,953.0	
3	317	62.49	298.7	
4	326	77.36	359.2	
5	337	125.21	562.1	
6	383	54.34	215.2	
7	396	32.93	126.1	
8	402	31.73	119.6	
9	432	40.55	142.4	
10	456	65.68	218.1	
11	500	129.97	394.0	
12	510	83.87	249.4	
13	586	28.98	74.9	
14	704	54.87	118.1	
15	892	22.34	37.9	
16	1,053	8.70	12.5	
17	1,391	3.45	3.8	
18	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electropherogram Summary Continued ...



Peak table for sample 7 :

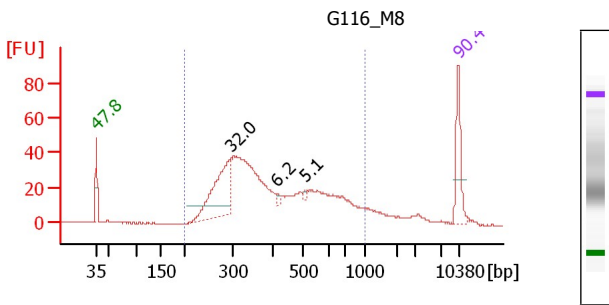
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	318	948.71	4,516.1	
3	336	878.63	3,959.6	
4	434	67.83	236.6	
5	500	424.78	1,288.1	
6	509	506.43	1,508.9	
7	648	77.43	181.1	
8	666	56.34	128.1	
9	688	188.91	416.2	
10	902	106.00	178.1	
11	1,278	37.59	44.6	
12	1,714	11.84	10.5	
13	2,157	4.60	3.2	
14	3,205	35.91	17.0	
15	10,380	75.00	10.9	Upper Marker

Overall Results for sample 7 : G116 M7

Number of peaks found: 13
 Noise: 0.2
 Corr. Area 1: 2,422.7

Region table for sample 7 : G116 M7

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	2,422.7	94	455	35.4	3,625.91	14,156.9	Blue



Peak table for sample 8 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	296	257.63	1,318.5	
3	413	5.78	21.2	
4	506	4.68	14.0	
5	10,380	75.00	10.9	Upper Marker

Overall Results for sample 8 : G116 M8

Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 941.0

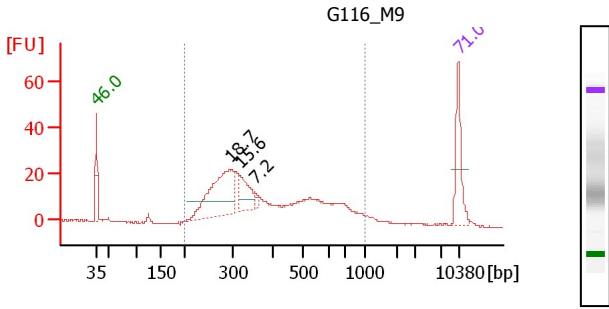
Region table for sample 8 : G116 M8

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	941.0	88	429	38.3	1,199.51	5,013.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electropherogram Summary Continued ...



Peak table for sample 9 : G116_M9

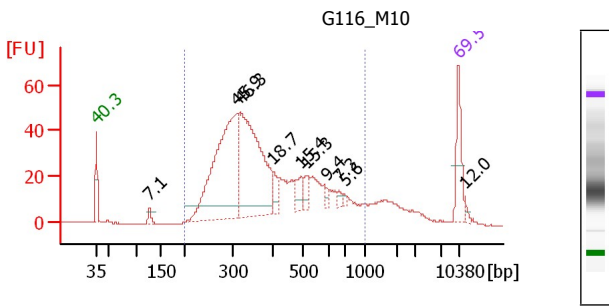
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	295	234.68	1,203.7	
3	319	71.30	338.3	
4	354	11.38	48.7	
5	10,380	75.00	10.9	Upper Marker

Overall Results for sample 9 : G116_M9

Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 533.1

Region table for sample 9 : G116_M9

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	533.1	92	415	39.8	798.67	3,495.9	Blue



Peak table for sample 10 : G116_M10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	20.53	246.9	
3	312	624.29	3,028.5	
4	320	560.54	2,652.5	
5	401	35.09	132.6	
6	494	40.18	123.2	
7	513	27.92	82.5	
8	592	9.60	24.6	
9	665	11.30	25.8	
10	701	6.06	13.1	
11	10,380	75.00	10.9	Upper Marker
12	11,769	0.00	0.0	

Overall Results for sample 10 : G116_M10

Number of peaks found: 10
 Noise: 0.2
 Corr. Area 1: 1,095.1

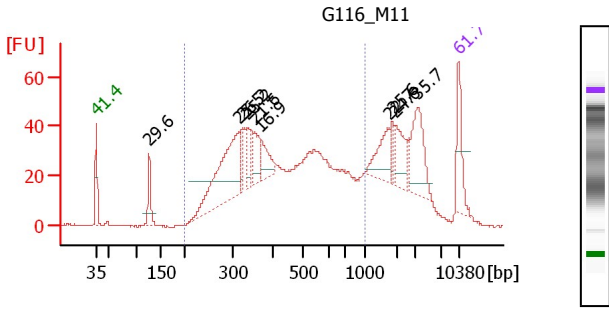
Region table for sample 10 : G116_M10

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	1,095.1	88	409	37.0	1,863.31	8,020.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
 Modified: 5/4/2015 11:31:25 AM

Electropherogram Summary Continued ...



Peak table for sample 11 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	80.86	971.9	
3	317	335.64	1,604.9	
4	325	42.71	198.8	
5	336	46.08	207.5	
6	354	65.32	279.9	
7	371	64.68	264.0	
8	1,744	73.72	64.0	
9	1,838	21.16	17.4	
10	1,924	71.17	56.1	
11	3,516	120.98	52.1	
12	10,380	75.00	10.9	Upper Marker

Overall Results for sample 11 : G116 M11

Number of peaks found: 10
 Noise: 0.1
 Corr. Area 1: 1,134.0

Region table for sample 11 : G116 M11

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	1,134.0	69	458	38.0	1,961.98	7,760.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72900959_2015-05-04_10-50-01.xad

Created: 5/4/2015 10:50:01 AM
Modified: 5/4/2015 11:31:25 AM

Gel Image

