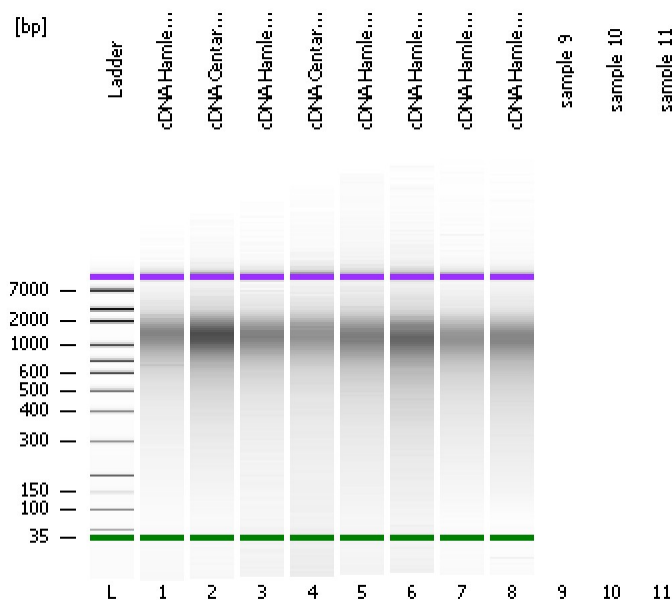


Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

Created: 10/26/2011 7:39:49 PM
Modified: 10/26/2011 8:12:36 PM

Electrophoresis File Run Summary



Instrument Information:

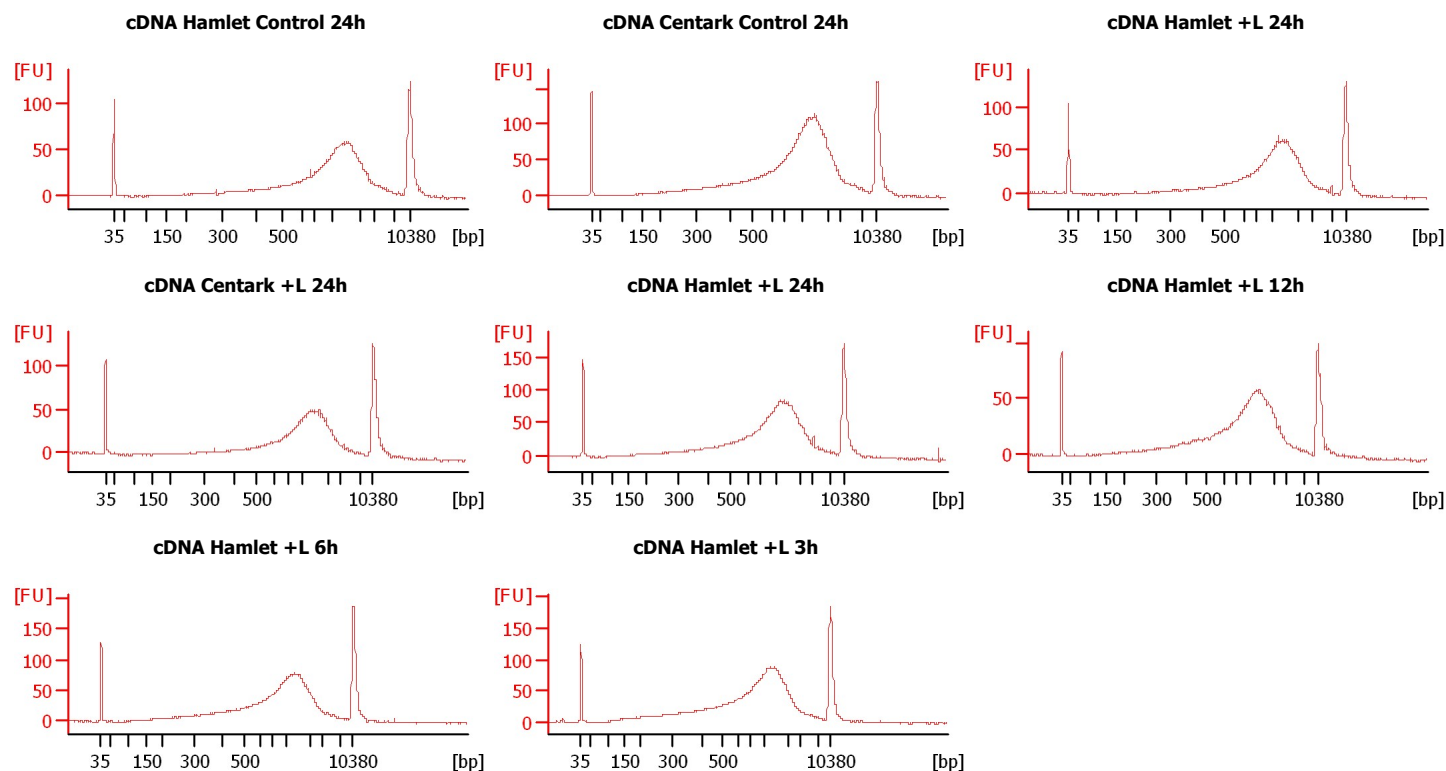
Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: D:\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: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

Created: 10/26/2011 7:39:49 PM
Modified: 10/26/2011 8:12:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
cDNA Hamlet Control 24h		☐	✓			
cDNA Centark Control 24h		☐	✓			
cDNA Hamlet +L 24h		☐	✓			
cDNA Centark +L 24h		☐	✓			
cDNA Hamlet +L 24h		☐	✓			
cDNA Hamlet +L 12h		☐	✓			
cDNA Hamlet +L 6h		☐	✓			
cDNA Hamlet +L 3h		☐	✓			
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✓			
Chip Lot #			Reagent Kit Lot #			

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

Created: 10/26/2011 7:39:49 PM
Modified: 10/26/2011 8:12:36 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

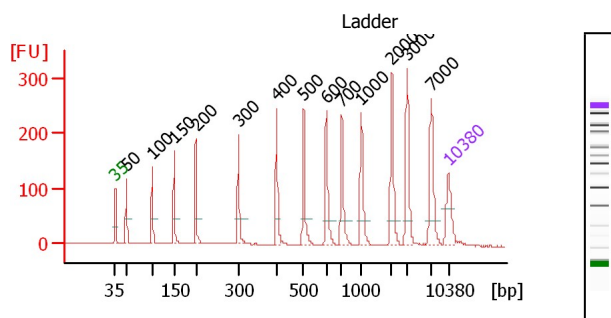
Ladder

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: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

Created: 10/26/2011 7:39:49 PM
 Modified: 10/26/2011 8:12:36 PM

Electropherogram Summary



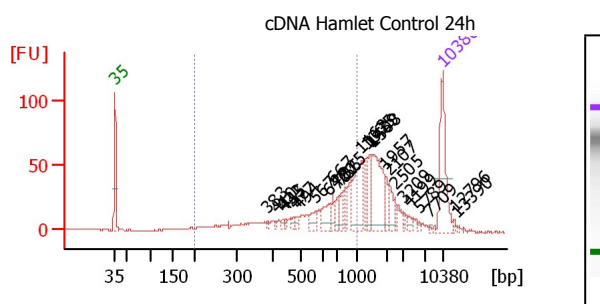
Overall Results for Ladder

Noise: 0.2

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

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



Overall Results for sample 1 : cDNA Hamlet Control 24h

Number of peaks found: 25
 Noise: 0.3
 Corr. Area 1: 520.5

Region table for sample 1 : cDNA Hamlet Control 24h

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	520.5	49	621	34.5	327.55	1,003.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

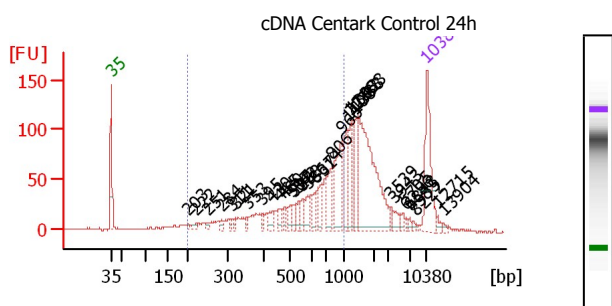
Created: 10/26/2011 7:39:49 PM
 Modified: 10/26/2011 8:12:36 PM

Electropherogram Summary Continued ...

Peak table for sample 1 : cDNA Hamlet Control 24h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	383	3.17	12.5	
3	410	4.35	16.1	
4	433	6.02	21.1	
5	445	3.94	13.4	
6	477	6.26	19.9	
7	494	7.04	21.6	
8	567	16.05	42.9	
9	642	29.73	70.2	
10	667	9.82	22.3	
11	700	12.43	26.9	
12	756	14.51	29.1	
13	825	12.55	23.1	
14	1,162	60.85	79.3	
15	1,335	23.58	26.8	
16	1,439	25.46	26.8	
17	1,508	84.45	84.9	
18	1,957	13.09	10.1	
19	2,107	19.84	14.3	
20	2,505	7.38	4.5	
21	3,209	3.86	1.8	
22	4,199	5.49	2.0	
23	5,789	2.63	0.7	
24	7,709	1.46	0.3	
25	10,380	75.00	10.9	Upper Marker

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	12,796	0.00	0.0	
27	13,390	0.00	0.0	



Overall Results for sample 2 : cDNA Centark Control 24h

Number of peaks found: 34
 Noise: 0.7
 Corr. Area 1: 1,041.3

Region table for sample 2 : cDNA Centark Control 24h

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	1,041.3	51	615	35.0	495.91	1,540.5	

Peak table for sample 2 : cDNA Centark Control 24h

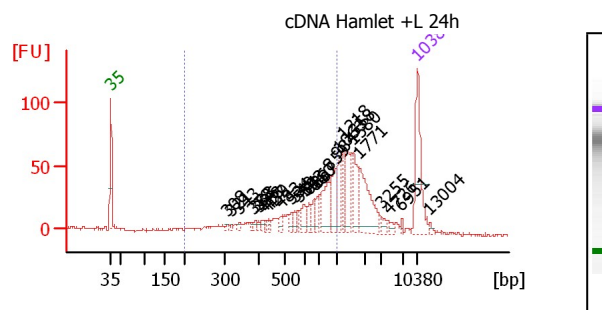
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	203	3.32	24.8	
3	222	7.28	49.6	
4	251	5.64	34.0	
5	284	7.12	37.9	
6	311	6.41	31.2	
7	321	7.27	34.3	
8	353	6.99	30.0	
9	395	8.64	33.1	
10	430	11.70	41.3	
11	465	11.07	36.1	
12	480	8.57	27.0	
13	507	11.67	34.9	
14	522	9.33	27.1	
15	542	15.57	43.5	
16	558	14.29	38.8	
17	586	19.75	51.1	
18	631	19.34	46.5	
19	674	22.58	50.7	
20	806	49.85	93.7	
21	966	76.90	120.6	
22	1,108	53.07	72.6	
23	1,216	27.44	34.2	
24	1,302	27.85	32.4	
25	1,388	29.98	32.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

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 Modified: 10/26/2011 8:12:36 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	1,488	206.24	209.9	
27	3,539	5.13	2.2	
28	3,943	12.07	4.6	
29	5,705	5.40	1.4	
30	6,256	3.06	0.7	
31	6,843	2.85	0.6	
32	7,385	2.88	0.6	
33	8,222	1.88	0.3	
34	10,380	75.00	10.9	Upper Marker
35	12,715	0.00	0.0	
36	13,904	0.00	0.0	



Overall Results for sample 3 : cDNA Hamlet +L 24h

Number of peaks found: 28
 Noise: 0.8
 Corr. Area 1: 533.7

Region table for sample 3 : cDNA Hamlet +L 24h

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	533.7	49	638	32.5	314.69	913.4	Blue

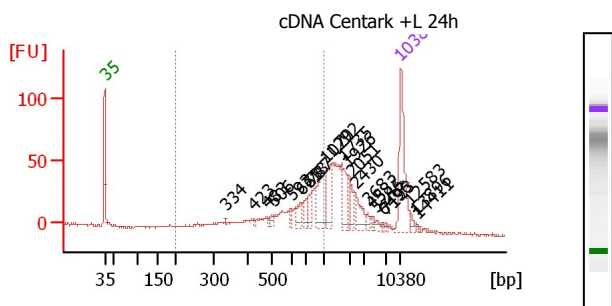
Peak table for sample 3 : cDNA Hamlet +L 24h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	308	3.21	15.8	
3	321	3.22	15.2	
4	343	4.20	18.6	
5	378	4.11	16.5	
6	388	5.91	23.1	
7	396	4.19	16.0	
8	413	5.71	21.0	
9	427	5.89	20.9	
10	439	4.62	15.9	
11	483	9.08	28.5	
12	534	8.15	23.1	
13	549	8.13	22.5	
14	564	7.29	19.6	
15	593	14.64	37.4	
16	626	11.61	28.1	
17	660	14.64	33.6	
18	687	11.24	24.8	
19	859	47.51	83.8	
20	984	41.91	64.5	
21	1,063	24.82	35.4	
22	1,218	20.94	26.0	
23	1,358	40.99	45.7	
24	1,580	35.84	34.4	
25	1,771	75.42	64.5	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	3,255	6.79	3.2	
27	4,726	5.10	1.6	
28	6,951	2.02	0.4	
29	10,380	75.00	10.9	Upper Marker
30	13,004	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

Created: 10/26/2011 7:39:49 PM
Modified: 10/26/2011 8:12:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : cDNA Centark +L 24h**

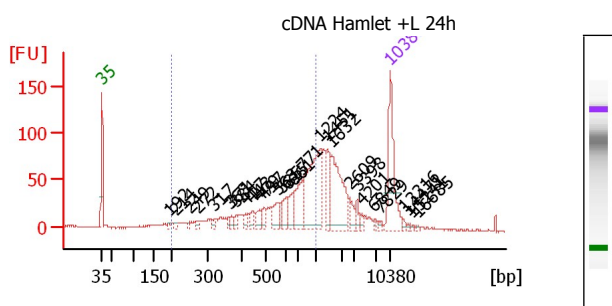
Number of peaks found: 22
Noise: 0.7
Corr. Area 1: 447.3

Region table for sample 4 : cDNA Centark +L 24h

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	447.3	46	639	32.4	265.67	766.3

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	334	1.69	7.7	
3	423	2.72	9.7	
4	483	4.19	13.2	
5	506	6.55	19.6	
6	593	6.53	16.7	
7	663	20.36	46.5	
8	718	13.02	27.5	
9	787	15.08	29.0	
10	1,070	52.66	74.5	
11	1,292	37.24	43.7	
12	1,735	26.64	23.3	
13	1,926	12.15	9.6	
14	2,051	10.83	8.0	
15	2,430	19.19	12.0	
16	3,683	4.94	2.0	
17	4,582	2.69	0.9	
18	5,246	4.59	1.3	
19	6,496	1.83	0.4	
20	7,193	1.55	0.3	
21	10,380	75.00	10.9	Upper Marker
22	12,583	0.00	0.0	
23	13,896	0.00	0.0	
24	14,411	0.00	0.0	

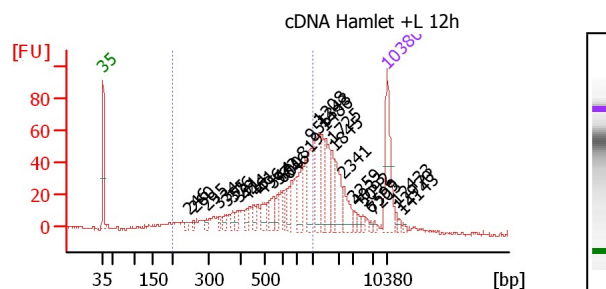


Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

Created: 10/26/2011 7:39:49 PM
 Modified: 10/26/2011 8:12:36 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	7,829	2.55	0.5	
27	10,380	75.00	10.9	Upper Marker
28	13,316	0.00	0.0	
29	14,471	0.00	0.0	
30	15,241	0.00	0.0	
31	16,685	0.00	0.0	



Overall Results for sample 6 : cDNA Hamlet +L 12h

Number of peaks found: 30
 Noise: 0.8
 Corr. Area 1: 663.5

Region table for sample 6 : cDNA Hamlet +L 12h

From To [bp]	Corr. Area	% of Average	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200 1,000	663.5	55	608	34.5	503.50	1,560.1

Peak table for sample 6 : cDNA Hamlet +L 12h

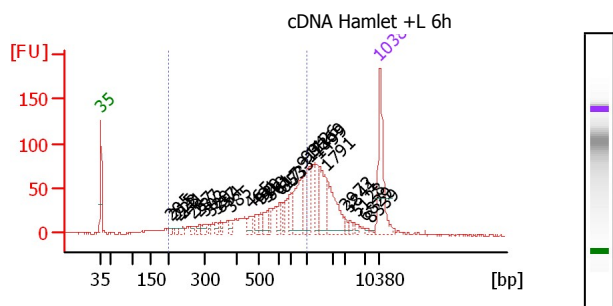
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	246	7.83	48.3	
3	260	7.20	41.9	
4	295	8.77	45.0	
5	334	8.73	39.6	
6	355	12.83	54.8	
7	376	10.71	43.1	
8	391	14.42	55.9	
9	424	9.23	33.0	
10	461	16.01	52.6	
11	496	27.35	83.5	
12	544	28.07	78.2	
13	573	16.68	44.1	
14	600	13.95	35.2	
15	646	17.36	40.7	
16	819	45.37	84.0	
17	955	48.75	77.4	
18	1,208	58.71	73.7	
19	1,343	31.86	35.9	
20	1,486	56.25	57.3	
21	1,725	24.31	21.4	
22	1,845	45.60	37.5	
23	2,341	30.28	19.6	
24	3,259	5.34	2.5	
25	4,033	5.79	2.2	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	5,092	4.46	1.3	
27	6,599	2.61	0.6	
28	7,203	3.23	0.7	
29	10,380	75.00	10.9	Upper Marker
30	12,433	0.00	0.0	
31	12,970	0.00	0.0	
32	14,143	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : cDNA Hamlet +L 6h

Number of peaks found: 30
 Noise: 0.6
 Corr. Area 1: 897.0

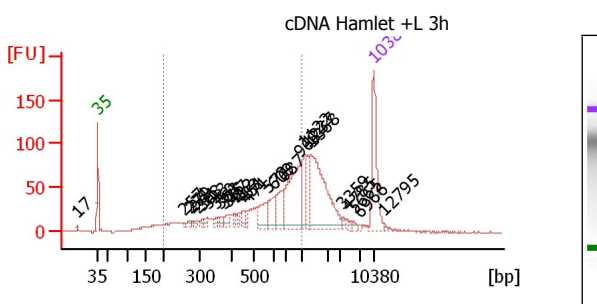
Region table for sample 7 : cDNA Hamlet +L 6h

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l]	Co lo r
200	1,000	897.0	57	598	35.6	398.74	1,272.9

Peak table for sample 7 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observation s
1	35	125.00	5,411.3	Lower Marker
2	205	3.43	25.3	
3	215	3.82	26.9	
4	228	4.22	28.1	
5	241	7.55	47.5	
6	267	4.37	24.8	
7	287	6.03	31.9	
8	302	10.18	51.0	
9	320	6.33	29.9	
10	337	6.79	30.5	
11	354	6.29	26.9	
12	385	9.31	36.6	
13	465	15.32	49.9	
14	491	11.65	36.0	
15	510	10.97	32.6	
16	540	18.71	52.5	
17	561	9.97	26.9	
18	617	15.97	39.2	
19	653	13.80	32.0	
20	733	23.91	49.5	
21	917	65.24	107.8	
22	994	26.11	39.8	
23	1,126	21.53	29.0	
24	1,369	22.75	25.2	
25	1,499	51.35	51.9	
26	1,791	57.00	48.2	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observation s
27	2,972	5.11	2.6	
28	3,841	4.87	1.9	
29	5,128	3.43	1.0	
30	6,829	2.01	0.4	
31	8,339	1.22	0.2	
32	10,380	75.00	10.9	Upper Marker



Overall Results for sample 8 : cDNA Hamlet +L 3h

Number of peaks found: 27
 Noise: 0.7
 Corr. Area 1: 1,122.2

Region table for sample 8 : cDNA Hamlet +L 3h

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l]	Co lo r
200	1,000	1,122.2	57	582	37.1	522.04	1,742.4

Peak table for sample 8 : cDNA Hamlet +L 3h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observation s
1	17	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	257	2.91	17.1	
4	271	5.78	32.3	
5	279	3.91	21.3	
6	291	4.40	22.9	

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

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Gel Image

7 308 4.38 21.5

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-26_19-39-50.xad

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Gel Image