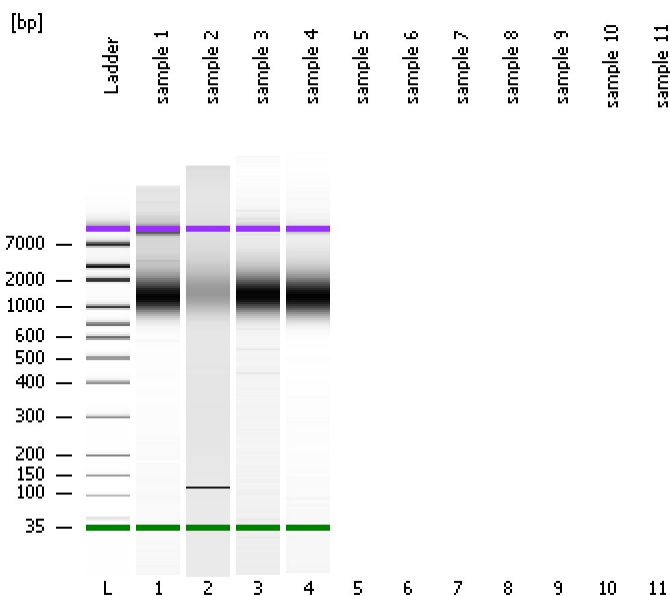


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

Created: 2/8/2012 11:50:19 AM
Modified: 2/8/2012 1:39:40 PM

Electrophoresis File Run Summary



Instrument Information:

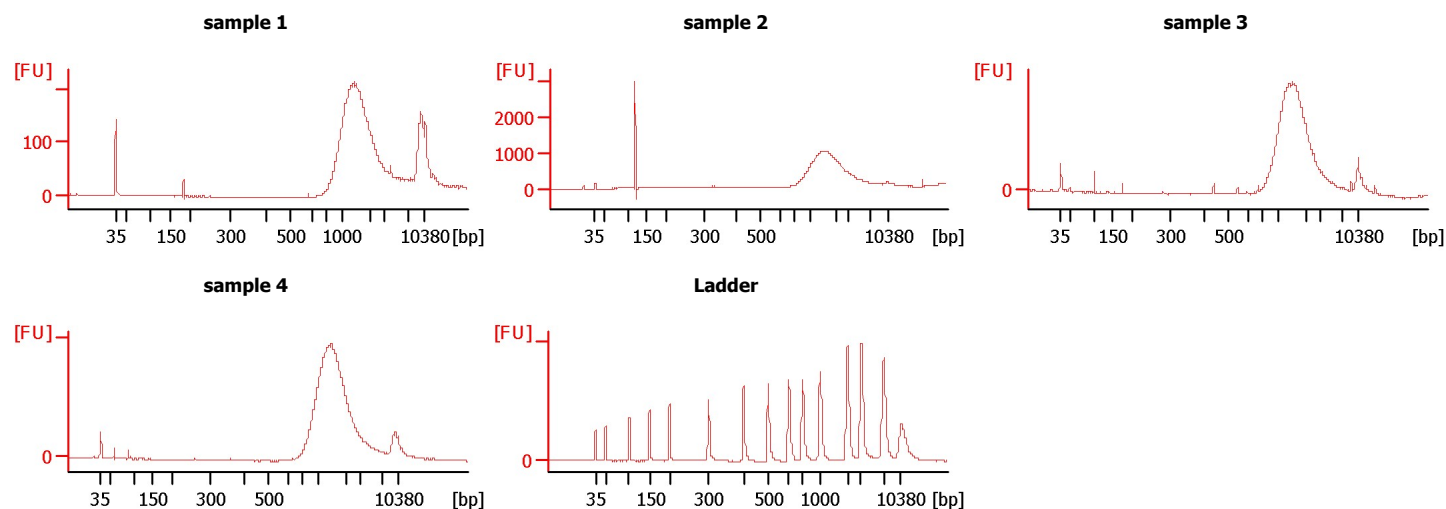
Instrument Name: DE72905008 Firmware: C.01.069
Serial#: DE72905008 Type: G2938C

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: 1.0
Assay Comments: Copyright © 2003-2009 Agilent Technologies

Chip Information:

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



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

Created: 2/8/2012 11:50:19 AM
Modified: 2/8/2012 1:39:40 PM

Electrophoresis File Run Summary (Chip Summary)

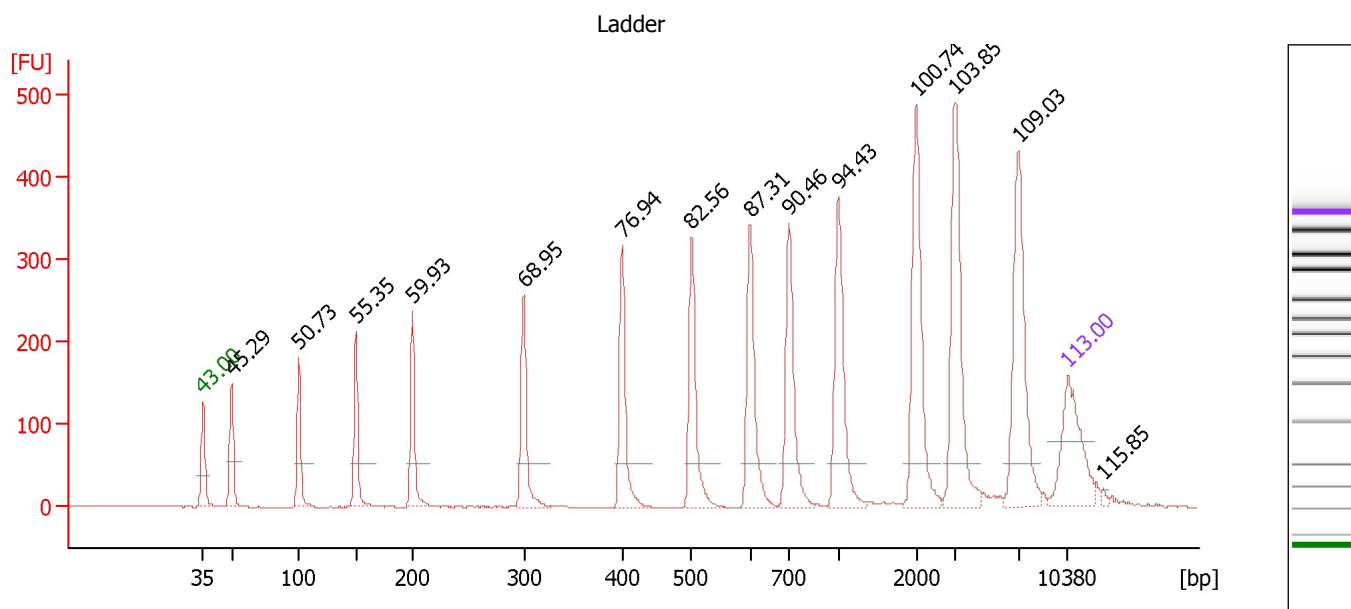
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		☐	✓			
sample 2		☐	✓			
sample 3		☐	✓			
sample 4		☐	✓			
sample 5		☐				
sample 6		☐				
sample 7		☐				
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

Created: 2/8/2012 11:50:19 AM
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Electropherogram Summary



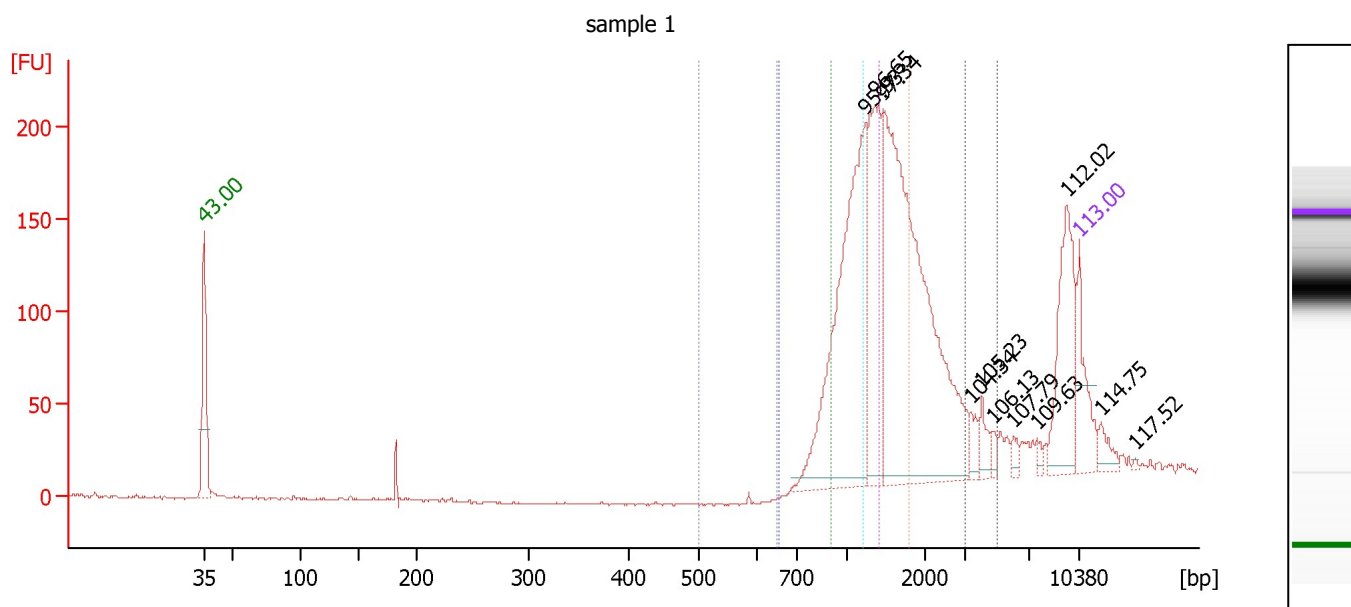
Overall Results for Ladder

Noise: 0.4

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
16	12,805	0.00	0.0	

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Number of peaks found:	11	Corr. Area 4:	261.7
Noise:	0.7	Corr. Area 5:	478.9
Corr. Area 1:	0.0	Corr. Area 6:	366.6
Corr. Area 2:	72.3	Corr. Area 7:	73.0
Corr. Area 3:	377.2		

Peak		Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.2	Lower Marker
2		1,237	521.12	638.2	
3		1,352	240.21	269.1	
4		1,461	756.74	785.0	
5		3,378	22.49	10.1	
6		4,070	25.37	9.4	
7		4,762	12.34	3.9	
8		6,047	12.08	3.0	
9		7,511	8.06	1.6	
10		9,545	164.26	26.1	
11		10,380	75.00	10.9	Upper Marker
12		11,869	0.00	0.0	
13		14,229	0.00	0.0	

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
500	650	0.0	0	0	0.0	0.00	0.0	
651	900	72.3	4	847	4.6	73.58	131.6	
901	1,200	377.2	20	1,044	8.5	359.97	526.4	
1,201	1,400	261.7	14	1,296	4.5	240.66	281.3	
1,401	1,800	478.9	25	1,581	7.3	425.38	407.6	
1,801	3,000	366.6	19	2,177	15.5	312.09	220.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

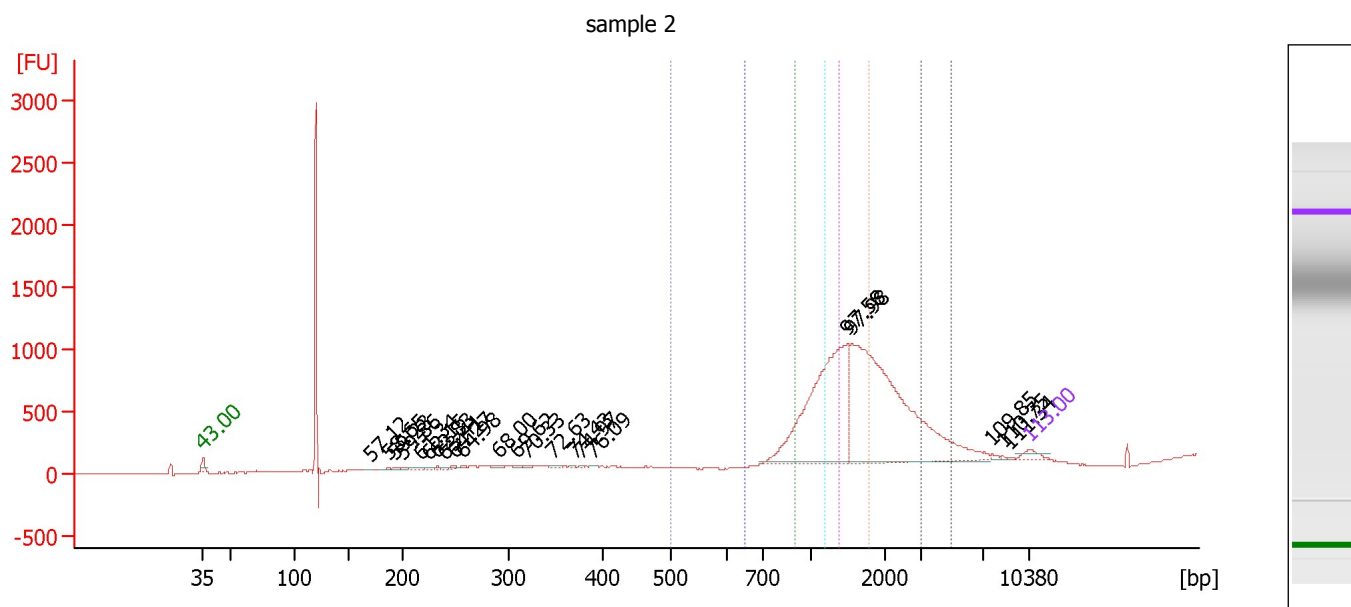
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Electropherogram Summary Continued ...**... Region table for sample 1 :****sample 1**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
3,001	5,000	73.0	4	3,884	14.5	62.32	24.3	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

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Electropherogram Summary Continued ...**Overall Results for sample 2 : sample 2**

Number of peaks found:	22	Corr. Area 4:	1,128.0
Noise:	2.2	Corr. Area 5:	2,422.3
Corr. Area 1:	0.0	Corr. Area 6:	2,569.0
Corr. Area 2:	321.9	Corr. Area 7:	572.9
Corr. Area 3:	1,444.1		

Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	169	7.10	63.6	
3	186	15.92	129.7	
4	192	17.32	136.4	
5	199	12.63	96.0	
6	216	29.31	205.9	
7	225	16.91	114.1	
8	232	15.08	98.4	
9	239	15.09	95.8	
10	248	21.61	132.0	
11	256	18.53	109.7	
12	289	26.15	136.9	
13	308	18.01	88.5	
14	317	14.18	67.7	
15	346	12.77	55.9	
16	369	4.98	20.5	
17	375	2.52	10.2	
18	389	3.51	13.6	
19	1,499	2,552.80	2,579.7	
20	1,564	3,597.27	3,486.0	
21	7,703	19.45	3.8	
22	8,467	9.85	1.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

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Electropherogram Summary Continued ...**... Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
23	8,965	8.16	1.4	
24	10,380	75.00	10.9	Upper Marker

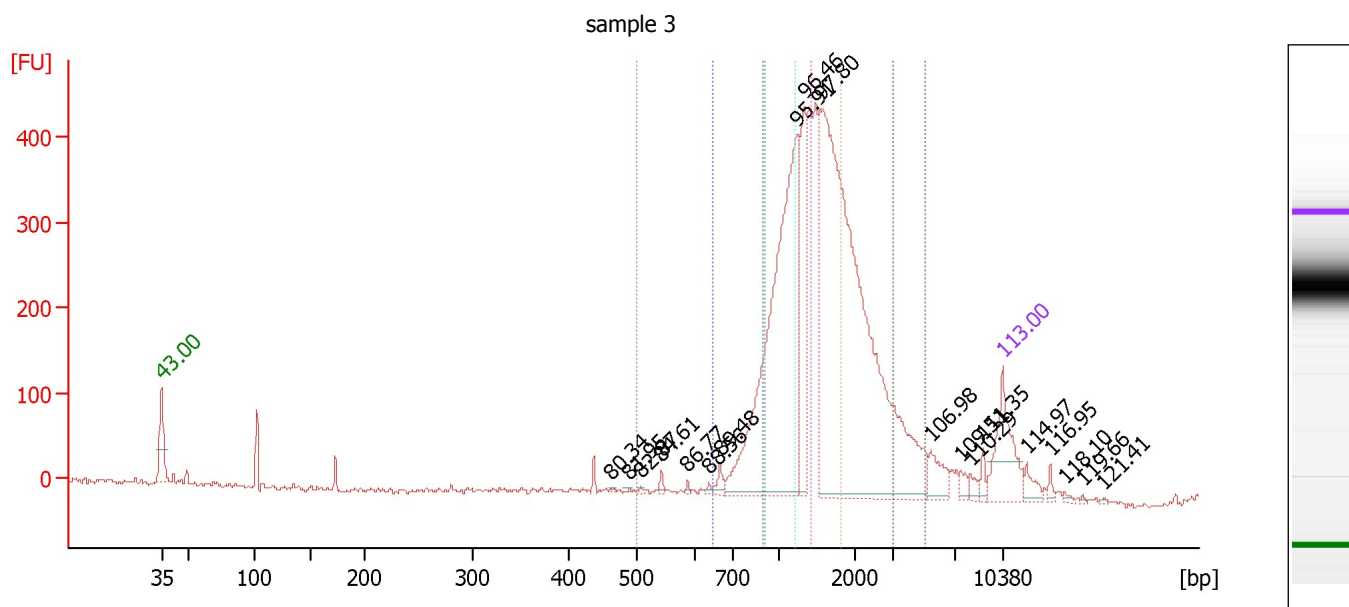
Region table for sample 2 : sample 2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
500	650	0.0	0	0	0.0	0.00	0.0	
651	900	321.9	3	842	5.2	248.29	446.8	
901	1,200	1,444.1	14	1,043	8.4	1,042.24	1,525.5	
1,201	1,400	1,128.0	11	1,296	4.6	784.22	916.9	
1,401	1,800	2,422.3	24	1,590	7.3	1,624.91	1,548.4	
1,801	3,000	2,569.0	26	2,210	15.6	1,652.62	1,151.8	
3,001	5,000	572.9	6	3,815	15.1	369.74	146.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found:	19	Corr. Area 4:	589.9
Noise:	3.8	Corr. Area 5:	1,121.4
Corr. Area 1:	7.7	Corr. Area 6:	939.7
Corr. Area 2:	232.5	Corr. Area 7:	176.2
Corr. Area 3:	781.2		

Peak table for sample 3 : sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	461	1.65	5.4	
3	489	1.22	3.8	
4	507	1.54	4.6	
5	543	5.23	14.6	
6	589	2.86	7.3	
7	640	3.26	7.7	
8	669	10.15	23.0	
9	1,235	528.22	648.0	
10	1,323	118.94	136.3	
11	1,534	833.83	823.7	
12	5,422	30.27	8.5	
13	7,410	9.07	1.9	
14	8,074	8.94	1.7	
15	8,973	8.48	1.4	
16	10,380	75.00	10.9	Upper Marker
17	12,060	0.00	0.0	
18	13,741	0.00	0.0	
19	14,718	0.00	0.0	
20	16,046	0.00	0.0	
21	17,531	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

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Electropherogram Summary Continued ...

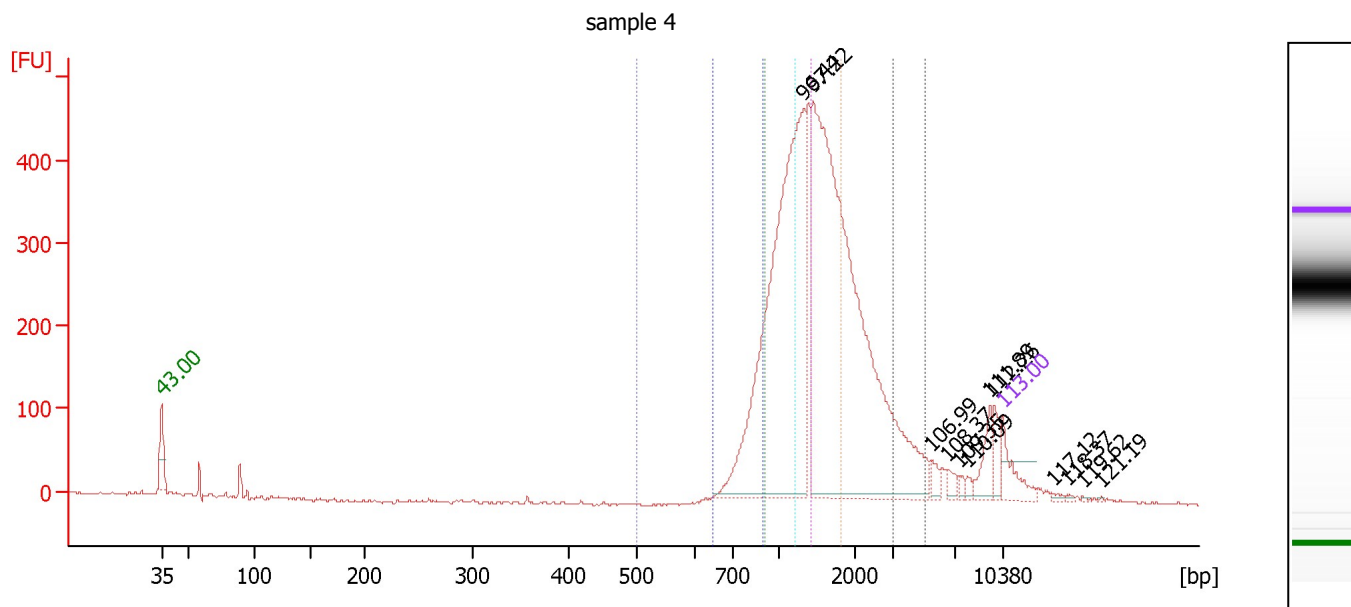
... Region table for sample 3 :

sample 3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
500	650	7.7	0	565	6.1	3.79	10.2	
651	900	232.5	6	817	7.9	109.70	204.5	
901	1,200	781.2	19	1,041	8.4	341.64	501.0	
1,201	1,400	589.9	14	1,295	4.7	248.42	290.6	
1,401	1,800	1,121.4	28	1,589	7.3	455.72	434.5	
1,801	3,000	939.7	23	2,185	15.4	366.27	258.1	
3,001	5,000	176.2	4	3,841	15.0	68.90	27.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

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Electropherogram Summary Continued ...**Overall Results for sample 4 : sample 4**

Number of peaks found:	12	Corr. Area 4:	621.5
Noise:	1.6	Corr. Area 5:	1,157.3
Corr. Area 1:	0.2	Corr. Area 6:	928.0
Corr. Area 2:	332.5	Corr. Area 7:	191.2
Corr. Area 3:	946.0		

Peak table for sample 4 : sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	1,318	1,342.12	1,542.7	
3	1,443	1,766.04	1,854.5	
4	5,424	26.67	7.5	
5	6,495	22.65	5.3	
6	7,270	11.79	2.5	
7	7,900	10.52	2.0	
8	9,435	63.78	10.2	
9	9,750	44.32	6.9	
10	10,380	75.00	10.9	Upper Marker
11	13,883	0.00	0.0	
12	14,946	0.00	0.0	
13	16,009	0.00	0.0	
14	17,347	0.00	0.0	

Region table for sample 4 : sample 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
500	650	0.2	0	638	1.5	0.17	0.4	
651	900	332.5	7	817	7.6	293.55	546.8	
901	1,200	946.0	21	1,037	8.5	774.54	1,140.5	
1,201	1,400	621.5	14	1,294	4.6	489.63	573.4	
1,401	1,800	1,157.3	25	1,583	7.4	880.25	842.4	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

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Electropherogram Summary Continued ...**... Region table for sample 4 :****sample 4**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Co lor
1,801	3,000	928.0	20	2,189	15.5	676.58	476.0	
3,001	5,000	191.2	4	3,851	15.2	139.81	55.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72905008_2012-02-08_11-50-19.xad

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