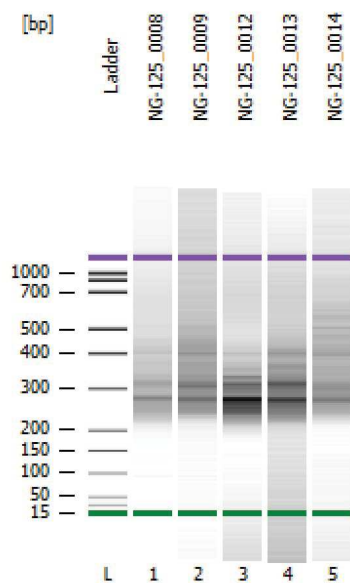Assay Class:　　　DNA 1000
Data Path:　　　　C:\...15-11-13\NG-125_DNA 1000_DE34903142_2015-11-13_11-50-15.xad

Created:　11/13/2015 11:50:14 AM
Modified:　11/13/2015 12:26:50 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name:		Firmware:	C.01.069
Serial#:	DE34903142	Type:	G2938C

Assay Information:

Assay Origin Path:　　　C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy
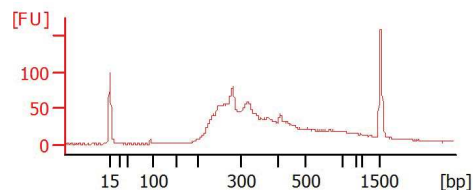
Assay Class:　　　　　DNA 1000

Version:　　　　　　　2.3

Assay Comments:　　　DNA Analysis 25 -1000 bp
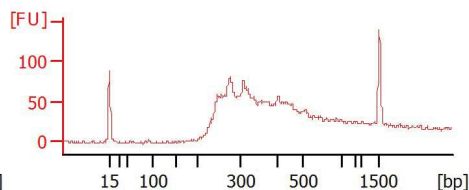
© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

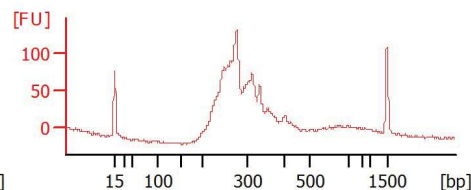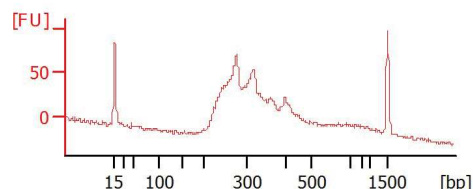Reagent Kit Lot #:

Chip Comments:

NG-125_0008

NG-125_0009

NG-125_0012

NG-125_0013

NG-125_0014

Assay Class: DNA 1000
Data Path: C:\...15-11-13\NG-125_DNA 1000_DE34903142_2015-11-13_11-50-15.xad

Created: 11/13/2015 11:50:14 AM
Modified: 11/13/2015 12:26:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NG-125_0008		☐	✔			
NG-125_0009		☐	✔			
NG-125_0012		☐	✔			
NG-125_0013		☐	✔			
NG-125_0014		☐	✔			
Ladder		☐	✔			

Chip Lot #　　　　**Reagent Kit Lot #**

Chip Comments :
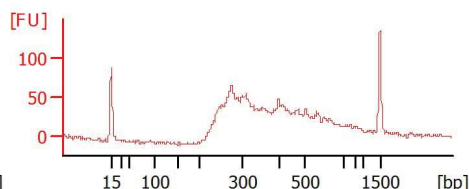
Assay Class: DNA 1000
Data Path: C:\...15-11-13\NG-125_DNA 1000_DE34903142_2015-11-13_11-50-15.xad

Created: 11/13/2015 11:50:14 AM
Modified: 11/13/2015 12:26:50 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 129
Start Analysis Time Range [s] : 30
End Analysis Time Range [s] : 128.95
Ladder Concentration [ng/µl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/µl] : 4.2
Upper Marker Concentration [ng/µl] : 2.1
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] : 30
Integration End Time [s] : 128.95
Slope Threshold : 0.5
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

Ladder Peak	Size	Area
1	15	25
2	25	26
3	50	34
4	100	41
5	150	45
6	200	52
7	300	63
8	400	76
9	500	83
10	700	88
11	850	86
12	1000	90
13	1500	52

Assay Class: DNA 1000
Data Path: C:\...15-11-13\NG-125_DNA 1000_DE34903142_2015-11-13_11-50-15.xad

Created: 11/13/2015 11:50:14 AM
Modified: 11/13/2015 12:26:50 PM

Electropherogram Summary
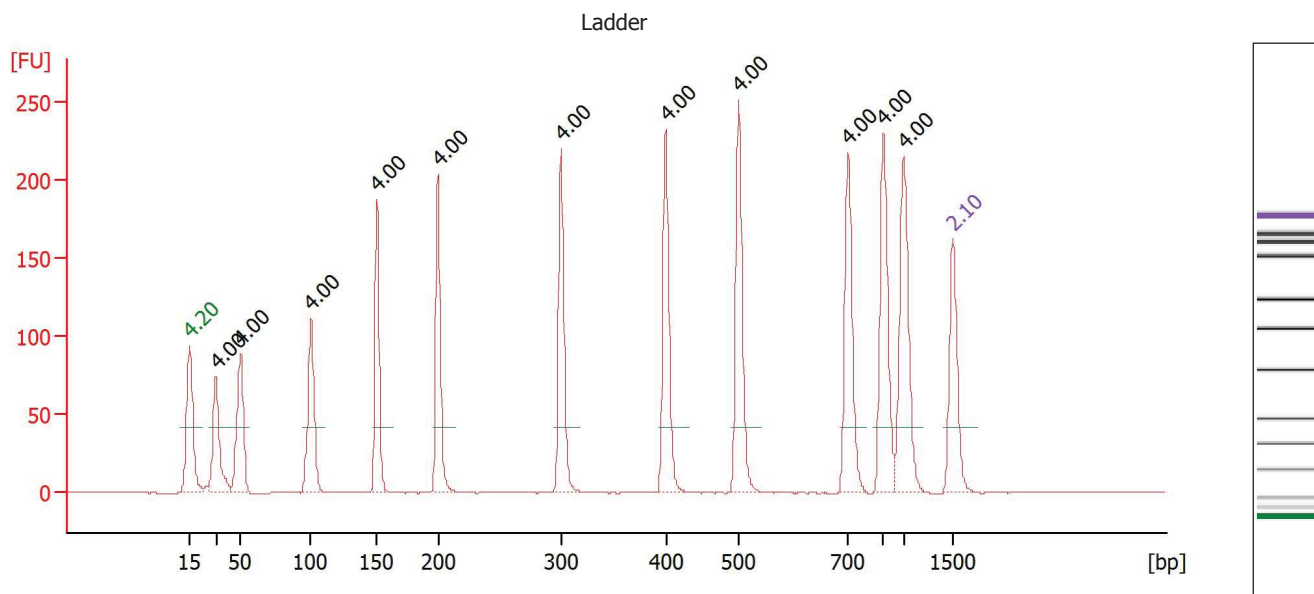
Peak table for Ladder

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	15	4.20	424.2	Lower Marker
2	L	25	4.00	242.4	Ladder Peak
3	L	50	4.00	121.2	Ladder Peak
4	L	100	4.00	60.6	Ladder Peak
5	L	150	4.00	40.4	Ladder Peak
6	L	200	4.00	30.3	Ladder Peak
7	L	300	4.00	20.2	Ladder Peak
8	L	400	4.00	15.2	Ladder Peak
9	L	500	4.00	12.1	Ladder Peak
10	L	700	4.00	8.7	Ladder Peak
11	L	850	4.00	7.1	Ladder Peak
12	L	1,000	4.00	6.1	Ladder Peak
13	▶	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...15-11-13\NG-125_DNA 1000_DE34903142_2015-11-13_11-50-15.xad

Created: 11/13/2015 11:50:14 AM
Modified: 11/13/2015 12:26:50 PM
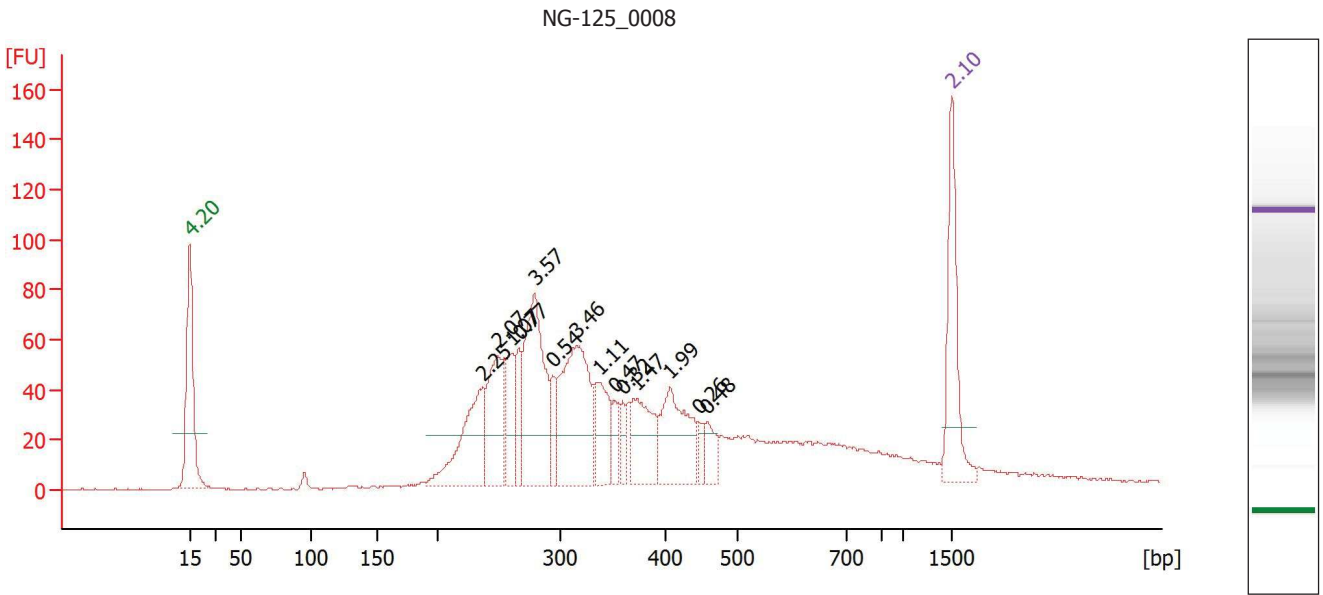
Electropherogram Summary Continued ...

NG-125_0008

Overall Results for sample 1 :   NG-125_0008

Number of peaks found: 14

Peak table for sample 1 :   NG-125_0008

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4.20	424.2	Lower Marker
2		236	2.25	14.4	
3		249	2.07	12.6	
4		260	1.07	6.2	
5		266	0.77	4.4	
6		279	3.57	19.4	
7		293	0.54	2.8	
8		315	3.46	16.6	
9		337	1.11	5.0	
10		351	0.47	2.0	
11		359	0.32	1.4	
12		372	1.47	6.0	
13		407	1.99	7.4	
14		446	0.26	0.9	
15		458	0.48	1.6	
16	▶	1,500	2.10	2.1	Upper Marker

Electropherogram Summary Continued ...
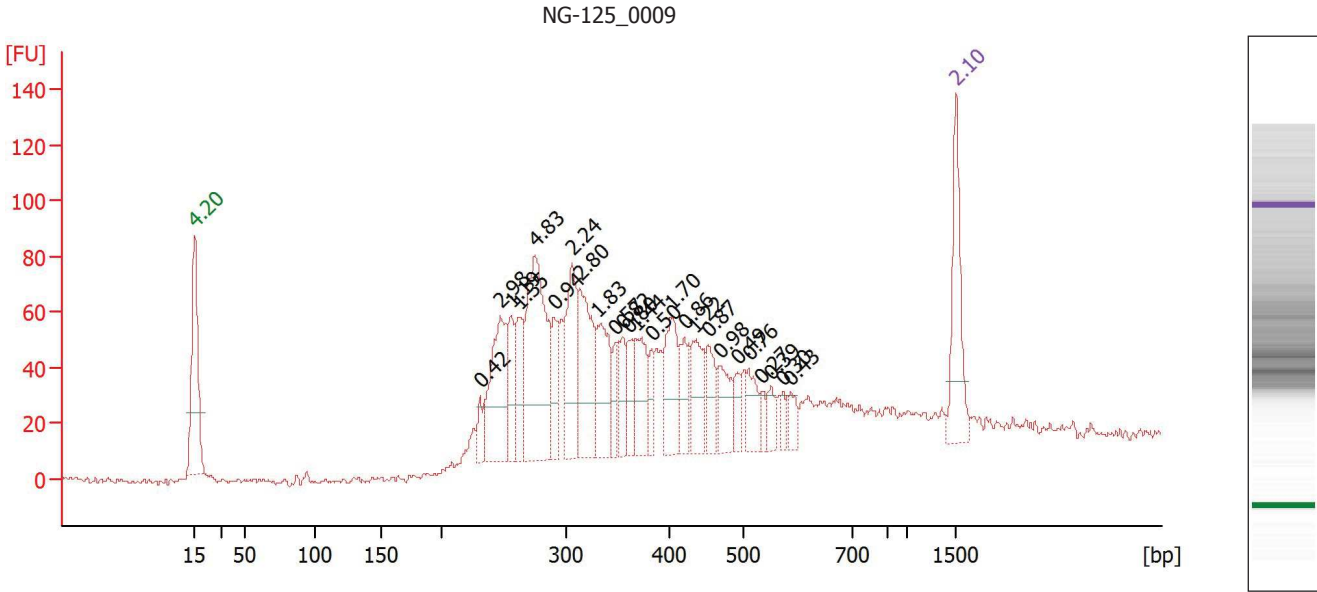
NG-125_0009

Overall Results for sample 2 :   NG-125_0009

Number of peaks found: 25

Peak table for sample 2 :   NG-125_0009

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4.20	424.2	Lower Marker
2		231	0.42	2.8	
3		247	2.98	18.3	
4		256	1.19	7.0	
5		263	1.35	7.8	
6		275	4.83	26.6	
7		291	0.94	4.9	
8		307	2.24	11.1	
9		314	2.80	13.5	
10		331	1.83	8.4	
11		348	0.57	2.5	
12		355	0.82	3.5	
13		361	0.80	3.4	
14		367	1.44	6.0	
15		383	0.50	2.0	
16		401	1.70	6.4	
17		420	0.86	3.1	
18		434	1.22	4.3	
19		453	0.87	2.9	
20		468	0.98	3.2	
21		493	0.49	1.5	
22		510	0.76	2.2	
23		535	0.27	0.8	
24		551	0.39	1.1	
25		572	0.30	0.8	
26		587	0.43	1.1	
27	▶	1,500	2.10	2.1	Upper Marker

Electropherogram Summary Continued ...
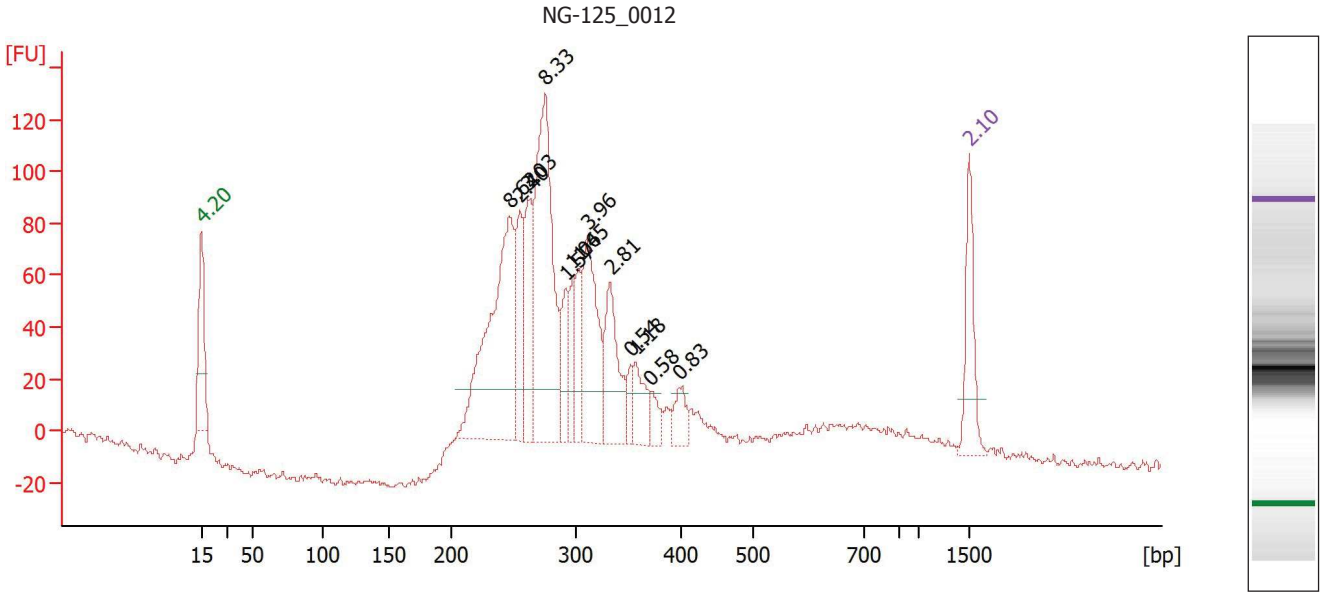
NG-125_0012

Overall Results for sample 3 :   NG-125_0012

Number of peaks found: 13

Peak table for sample 3 :   NG-125_0012

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	15	4.20	424.2	Lower Marker
2		247	8.62	52.9	
3		255	2.40	14.2	
4		262	3.03	17.6	
5		276	8.33	45.7	
6		292	1.57	8.1	
7		298	1.06	5.4	
8		304	1.45	7.3	
9		311	3.96	19.3	
10		333	2.81	12.8	
11		353	0.54	2.3	
12		358	1.18	5.0	
13		371	0.58	2.4	
14		399	0.83	3.1	
15	▶	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...15-11-13\NG-125_DNA 1000_DE34903142_2015-11-13_11-50-15.xad

Created: 11/13/2015 11:50:14 AM
Modified: 11/13/2015 12:26:50 PM

Electropherogram Summary Continued ...

NG-125_0013

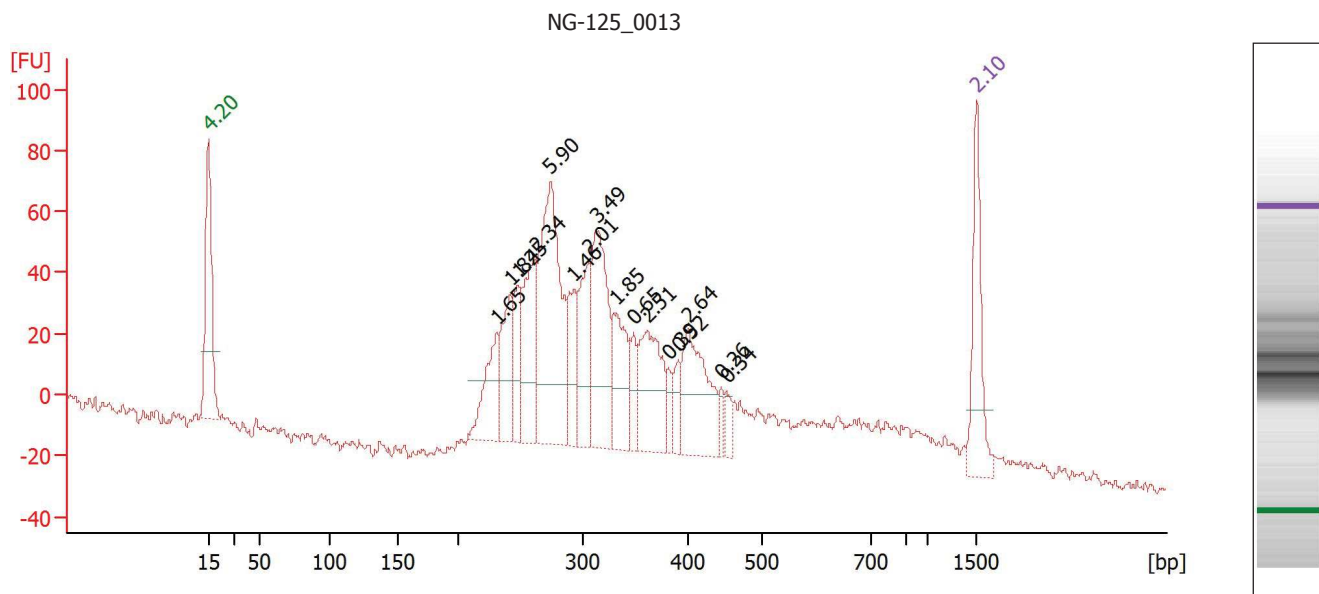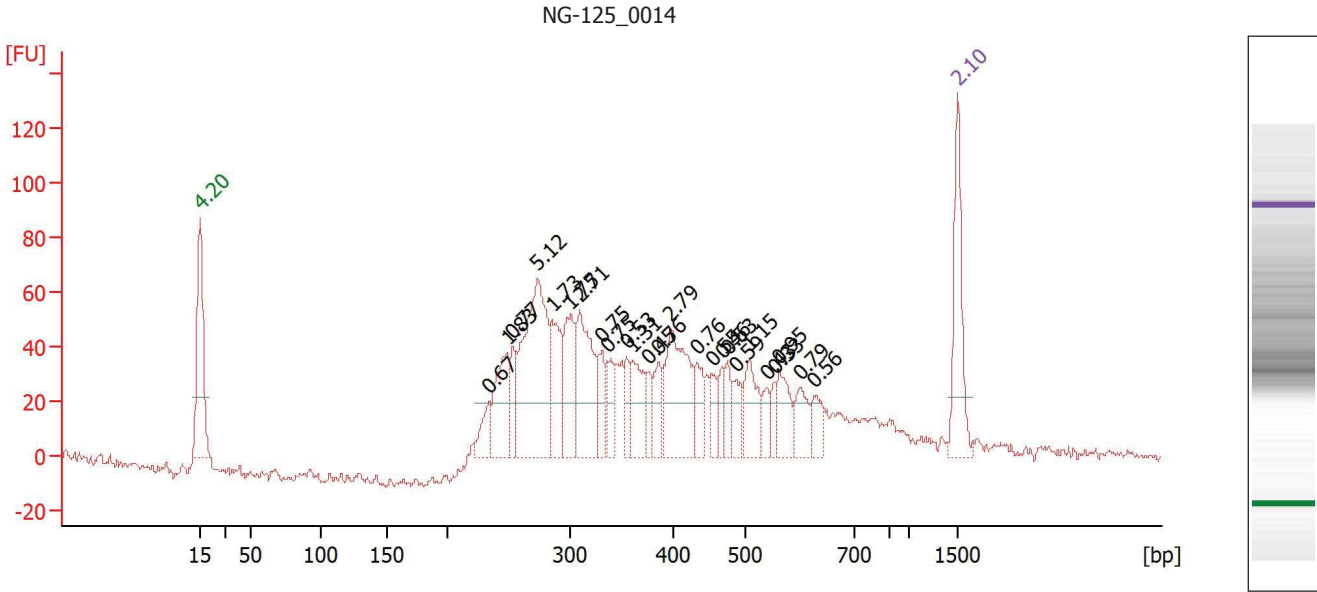**Overall Results for sample 4 :   NG-125_0013**

Number of peaks found: 16

Peak table for sample 4 :   NG-125_0013

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4.20	424.2	Lower Marker
2		231	1.65	10.8	
3		242	1.84	11.5	
4		248	1.25	7.6	
5		262	2.34	13.5	
6		274	5.90	32.6	
7		293	1.46	7.6	
8		306	2.01	10.0	
9		314	3.49	16.9	
10		332	1.85	8.5	
11		348	0.65	2.8	
12		362	2.51	10.5	
13		382	0.39	1.5	
14		391	0.52	2.0	
15		400	2.64	10.0	
16		445	0.26	0.9	
17		452	0.34	1.1	
18	▶	1,500	2.10	2.1	Upper Marker

Electropherogram Summary Continued ...

NG-125_0014

Overall Results for sample 5 :　　　NG-125_0014

Number of peaks found:　　　25

Peak table for sample 5 :　　　NG-125_0014

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4.20	424.2	Lower Marker
2		235	0.67	4.3	
3		249	1.83	11.1	
4		254	0.77	4.6	
5		274	5.12	28.3	
6		286	1.73	9.2	
7		301	1.75	8.8	
8		311	2.71	13.2	
9		332	0.75	3.4	
10		336	0.75	3.4	
11		356	0.53	2.3	
12		361	1.31	5.5	
13		376	0.45	1.8	
14		386	0.76	3.0	
15		397	2.79	10.6	
16		433	0.76	2.7	
17		454	0.55	1.8	
18		467	0.46	1.5	
19		475	0.53	1.7	
20		486	0.59	1.8	
21		507	1.15	3.4	
22		539	0.43	1.2	
23		552	0.33	0.9	
24		562	0.95	2.6	
25		599	0.79	2.0	
26		626	0.56	1.4	
27	▶	1,500	2.10	2.1	Upper Marker