

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2017-05-01\2017-05-01_001_16FactIDN-P_16FactDN-H.xad

Created: 5/1/2017 11:14:56 AM
Modified: 5/1/2017 1:10:51 PM

Electrophoresis File Run Summary

Instrument Information:

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

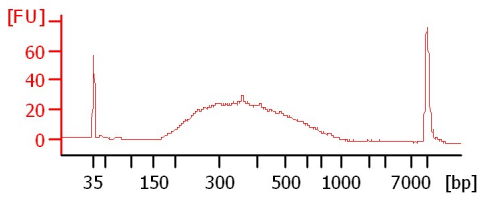
Assay Information:

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

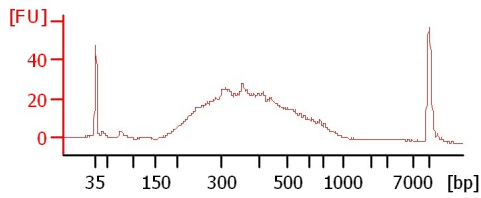
Chip Information:

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

16 Fact DN_P



16 Fact DN_H



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Electrophoresis File Run Summary (Chip Summary)

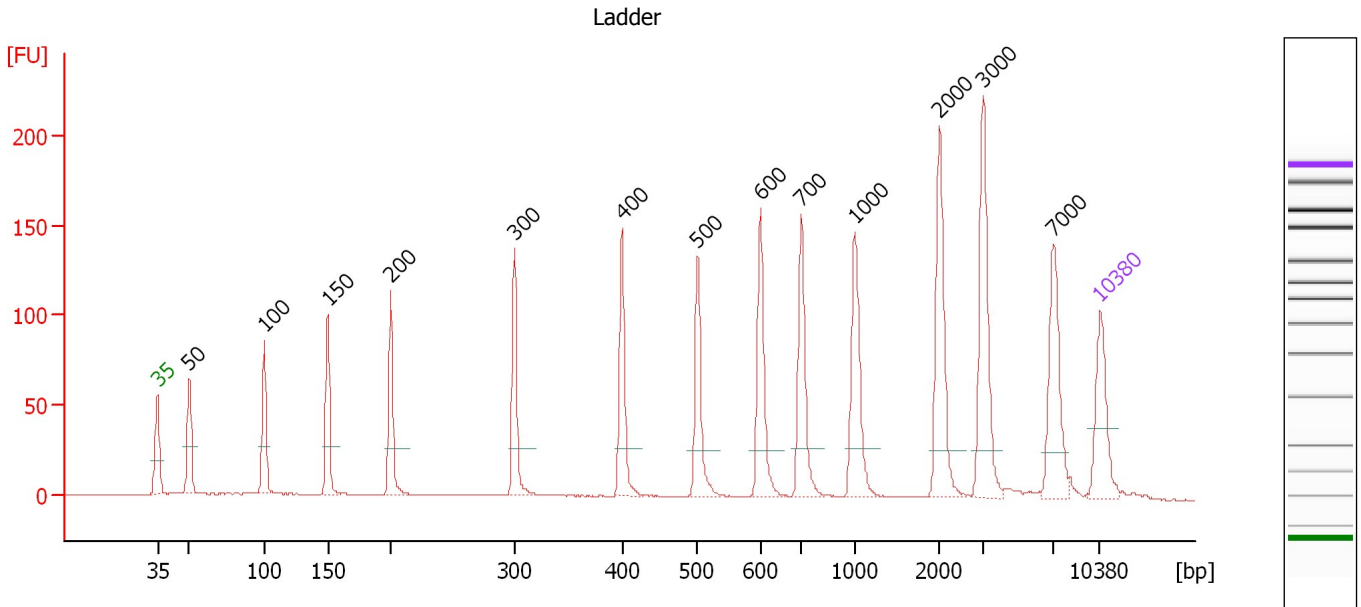
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
16 Fact DN_P		<input type="checkbox"/>	✓			
16 Fact DN_H		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			
Chip Lot #				Reagent Kit Lot #		

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

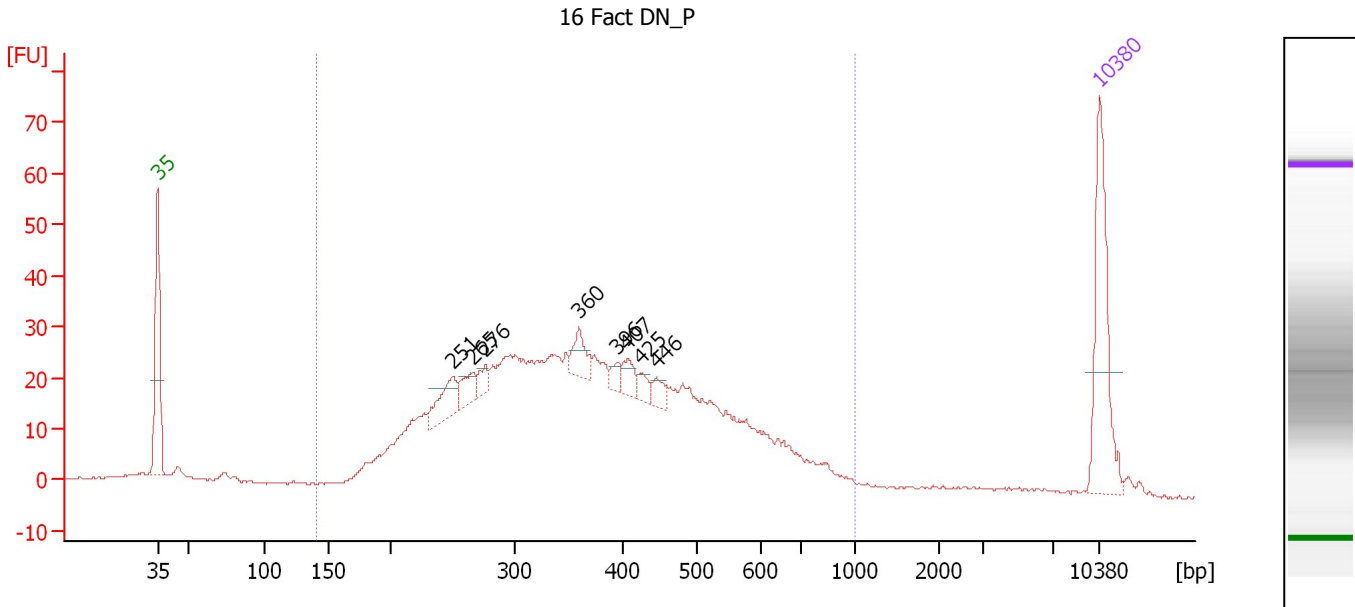
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.34
3	100	150.00	2,272.7	Ladder Peak	50.92
4	150	150.00	1,515.2	Ladder Peak	55.65
5	200	150.00	1,136.4	Ladder Peak	60.33
6	300	150.00	757.6	Ladder Peak	69.51
7	400	150.00	568.2	Ladder Peak	77.48
8	500	150.00	454.5	Ladder Peak	83.11
9	600	150.00	378.8	Ladder Peak	87.79
10	700	150.00	324.7	Ladder Peak	90.81
11	1,000	150.00	227.3	Ladder Peak	94.81
12	2,000	150.00	113.6	Ladder Peak	101.07
13	3,000	150.00	75.8	Ladder Peak	104.31
14	7,000	150.00	32.5	Ladder Peak	109.58
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 16 Fact DN P

Number of peaks found: 8 Corr. Area 1: 860.5
 Noise: 0.2

Peak table for sample 5 : 16 Fact DN P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	251	33.54	202.7		64.99
3	265	19.03	108.7		66.33
4	276	10.93	59.9		67.34
5	360	20.61	86.8		74.27
6	396	7.93	30.3		77.16
7	407	14.11	52.5		77.88
8	425	9.09	32.4		78.89
9	446	10.46	35.5		80.09
10	10,380	75.00	10.9	Upper Marker	113.00

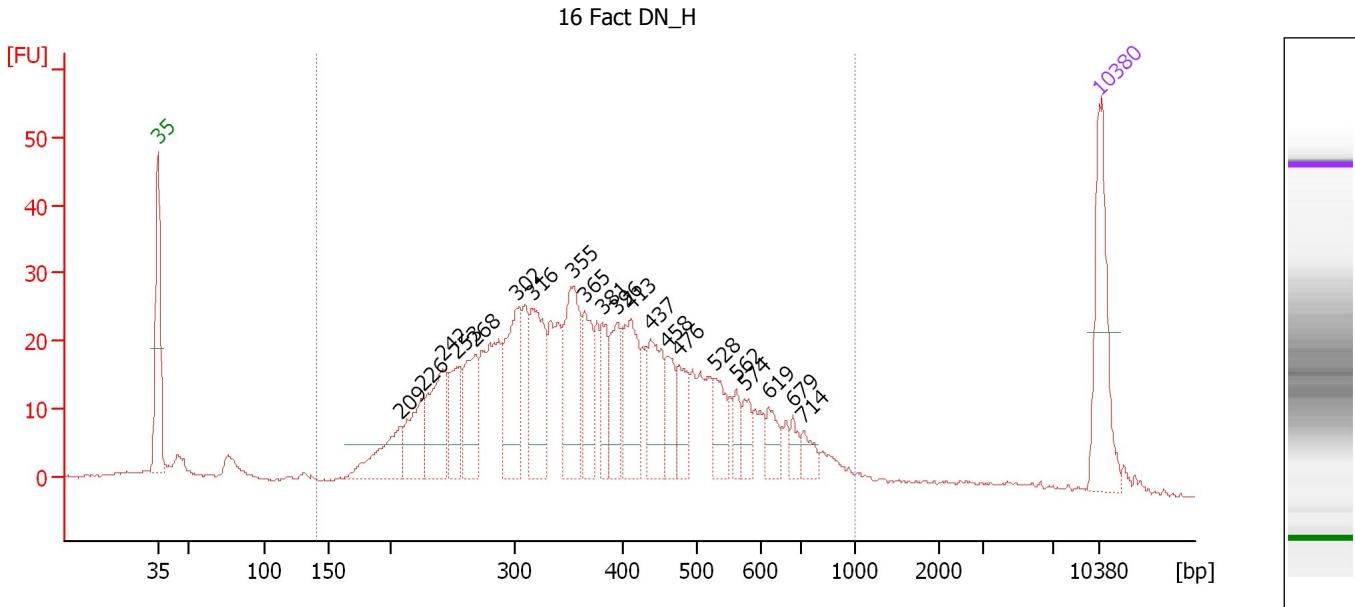
Region table for sample 5 : 16 Fact DN P

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
141	1,000	389	860.5	6,272.8	1,368.75	94	35.4

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 16 Fact DN H

Number of peaks found: 21 Corr. Area 1: 802.9
 Noise: 0.2


Peak table for sample 6 : 16 Fact DN H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	209	64.45	468.3		61.11
3	226	57.86	388.3		62.70
4	242	85.42	534.8		64.19
5	253	50.54	302.7		65.20
6	268	67.71	382.6		66.59
7	302	97.53	488.5		69.71
8	316	96.04	460.0		70.82
9	355	101.93	435.1		73.89
10	365	59.63	247.4		74.71
11	381	36.88	146.5		76.01
12	396	49.55	189.6		77.16
13	413	79.81	292.8		78.22
14	437	69.60	241.3		79.56
15	458	34.99	115.7		80.76
16	476	35.57	113.2		81.77
17	528	37.14	106.6		84.41
18	562	17.62	47.5		86.00
19	574	19.38	51.2		86.58
20	619	23.40	57.3		88.35
21	679	13.33	29.7		90.18
22	714	15.04	31.9		91.00
23	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...**... Region table for sample 6 : 16 Fact DN H**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
141	1,000	397	802.9	7,511.8	 1,667.46	92	35.8

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Gel Image