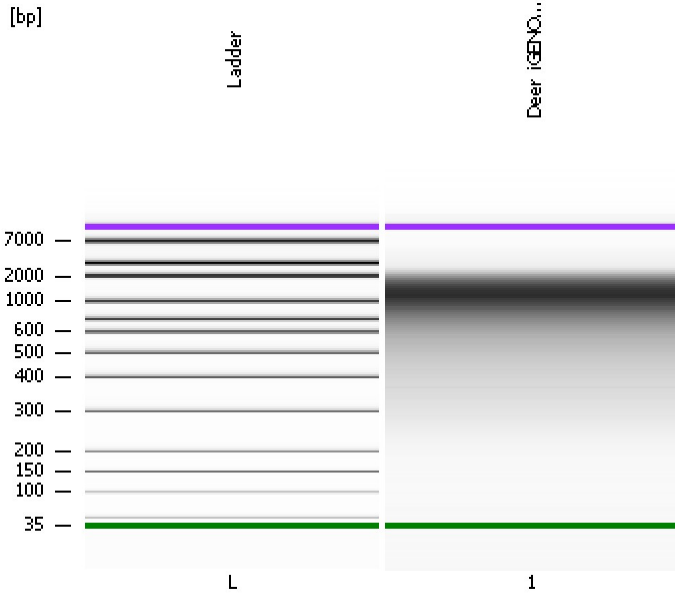


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...018-12-17\2018-12-17_001_Deer_iGENOMX_library_Before_SS.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:42:20 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

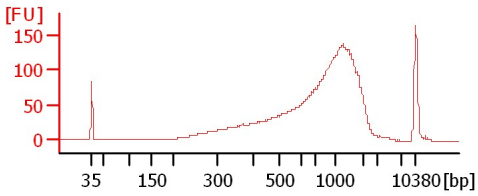
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

Deer_iGENOMX lib (1:30)

before size sel.



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...018-12-17\2018-12-17_001_Deer_iGENOMX_library_Before_SS.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Deer_iGENOMX lib (1:30)	before size sel.	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...018-12-17\2018-12-17_001_Deer_iGENOMX_library_Before_SS.xad

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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/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 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

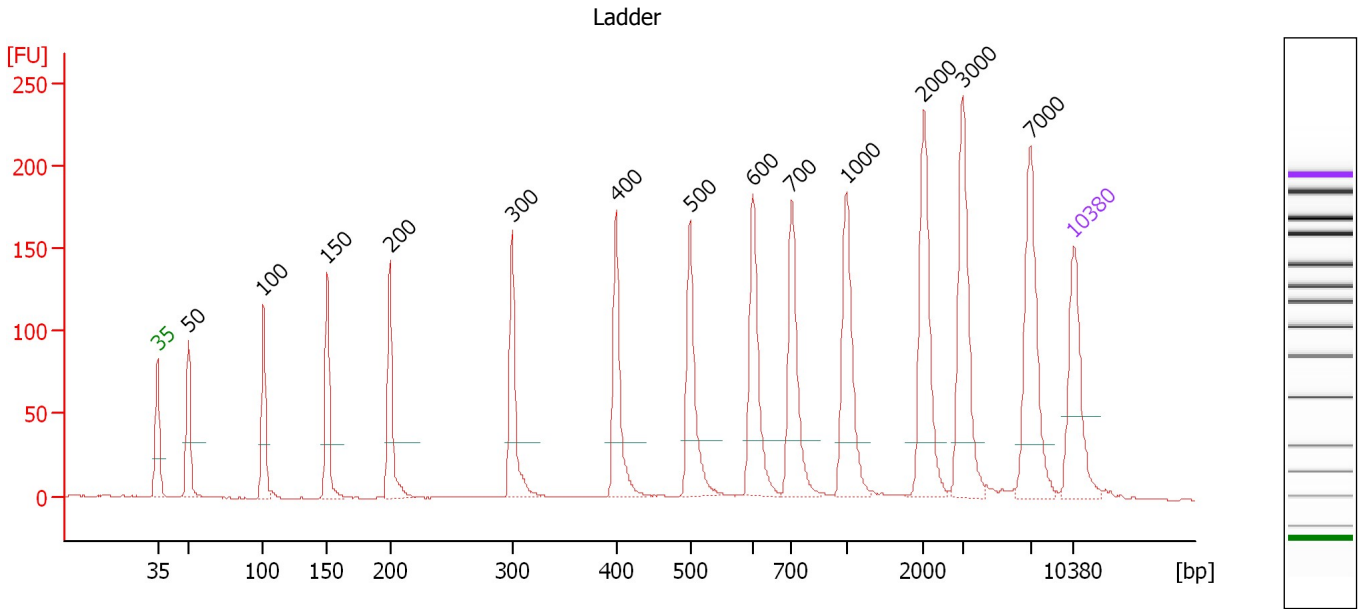
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

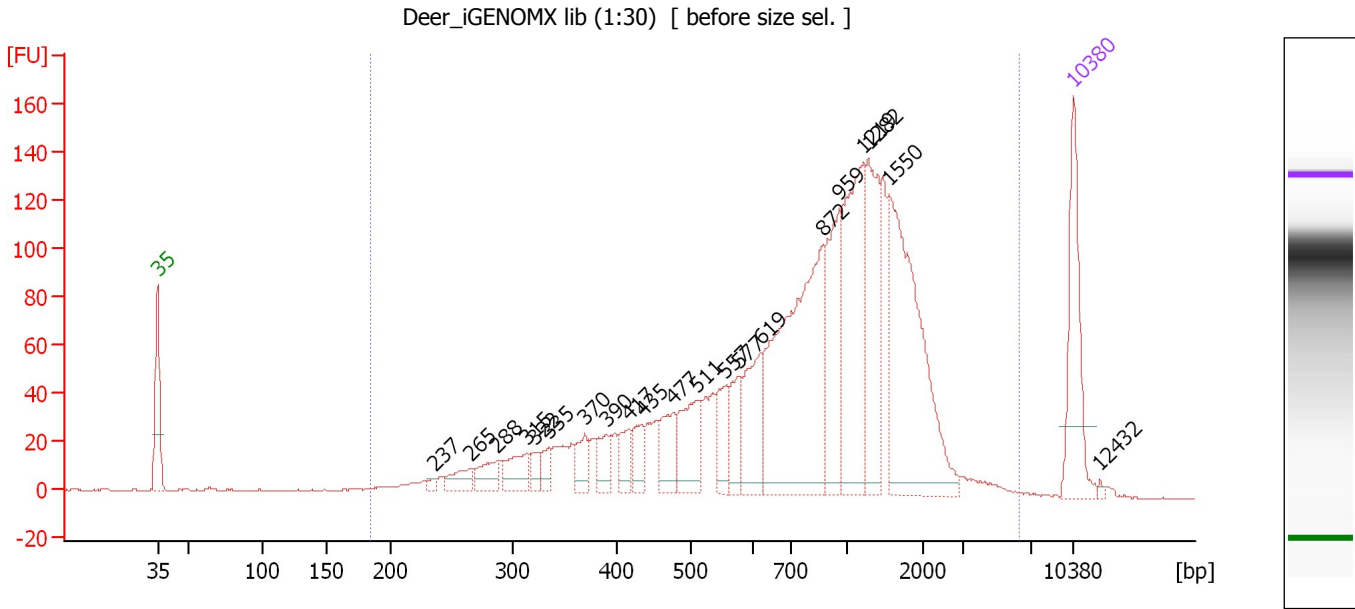
Peak table for Ladder

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	51.09
4	150	150.00	1,515.2	Ladder Peak	55.96
5	200	150.00	1,136.4	Ladder Peak	60.74
6	300	150.00	757.6	Ladder Peak	70.12
7	400	150.00	568.2	Ladder Peak	78.02
8	500	150.00	454.5	Ladder Peak	83.68
9	600	150.00	378.8	Ladder Peak	88.50
10	700	150.00	324.7	Ladder Peak	91.44
11	1,000	150.00	227.3	Ladder Peak	95.63
12	2,000	150.00	113.6	Ladder Peak	101.56
13	3,000	150.00	75.8	Ladder Peak	104.50
14	7,000	150.00	32.5	Ladder Peak	109.69
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...018-12-17\2018-12-17_001_Deer_iGENOMX_library_Before_SS.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Deer_iGENOMX lib (1:30)

Number of peaks found: 21 Corr. Area 1: 2,355.7
 Noise: 0.3


Peak table for sample 1 : Deer_iGENOMX lib (1:30)

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	237	4.70	30.1		64.17
3	265	23.18	132.3		66.88
4	288	26.80	141.1		68.98
5	315	34.81	167.7		71.27
6	322	13.59	64.0		71.83
7	335	16.98	76.7		72.91
8	370	26.04	106.8		75.62
9	390	23.37	90.7		77.25
10	417	23.61	85.8		78.98
11	435	25.37	88.3		80.01
12	477	42.51	134.9		82.39
13	511	58.68	173.9		84.21
14	557	36.71	99.9		86.41
15	577	36.57	96.0		87.39
16	619	68.59	167.8		89.07
17	872	269.66	468.6		93.84
18	959	104.89	165.7		95.06
19	1,219	145.51	180.8		96.93
20	1,282	101.32	119.7		97.30
21	1,550	212.93	208.1		98.89
22	10,380	75.00	10.9	Upper Marker	113.00
23	12,432	0.00	0.0		115.01

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...**... Region table for sample 1 : Deer_iGENOMX lib (1:30)**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
184	6,319	1,013	1,605.48	2,355.7	3,899.9	 98	64.6

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Gel Image

