

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
Modified: 5/9/2018 11:11:23 AM

Electrophoresis File Run Summary

Instrument Information:

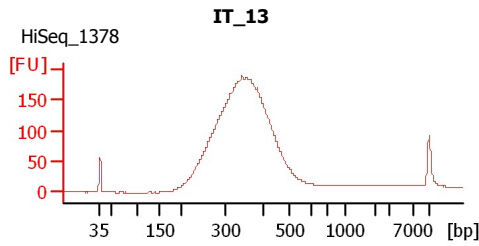
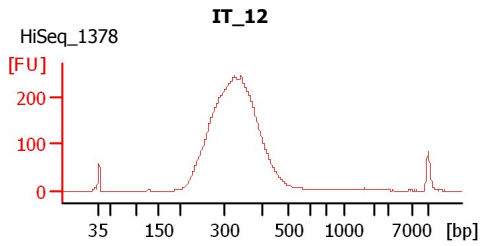
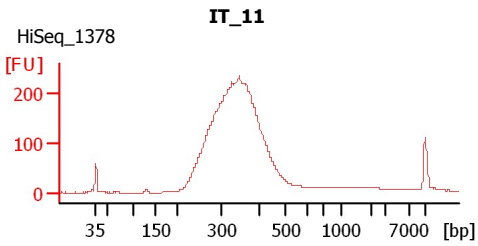
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
 Modified: 5/9/2018 11:11:23 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
IT_11	HiSeq_1378	<input type="checkbox"/>	✓			
IT_12	HiSeq_1378	<input type="checkbox"/>	✓			
IT_13	HiSeq_1378	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
Modified: 5/9/2018 11:11:23 AM

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

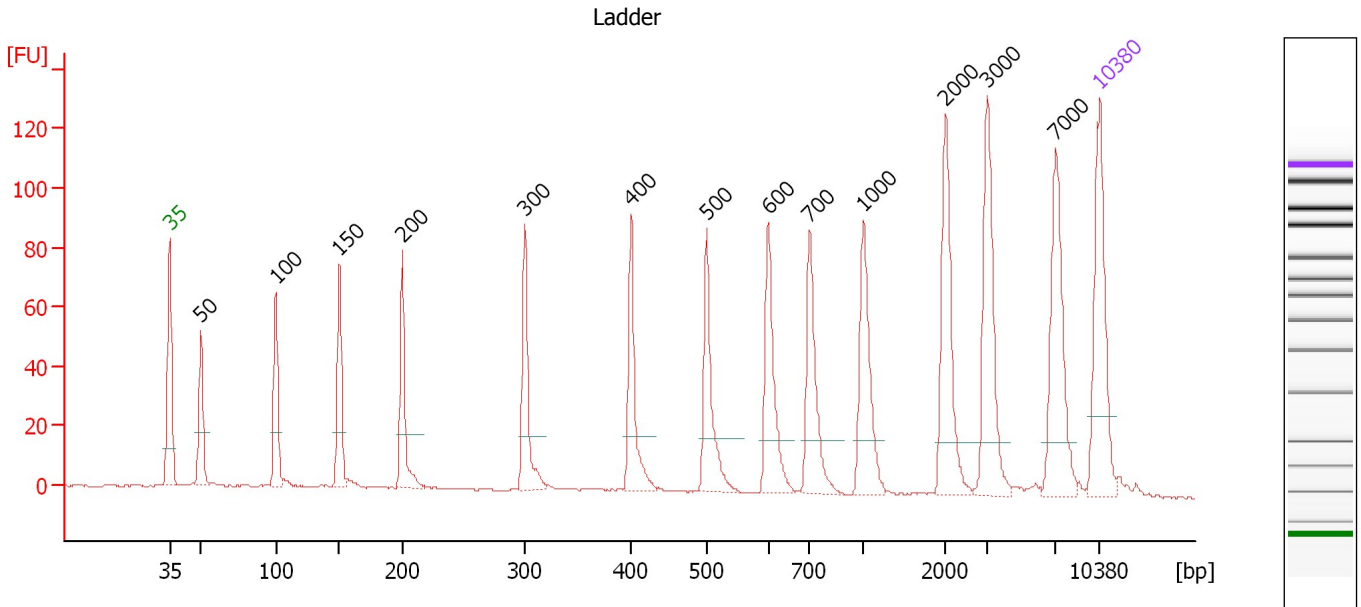
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
 Modified: 5/9/2018 11:11:23 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

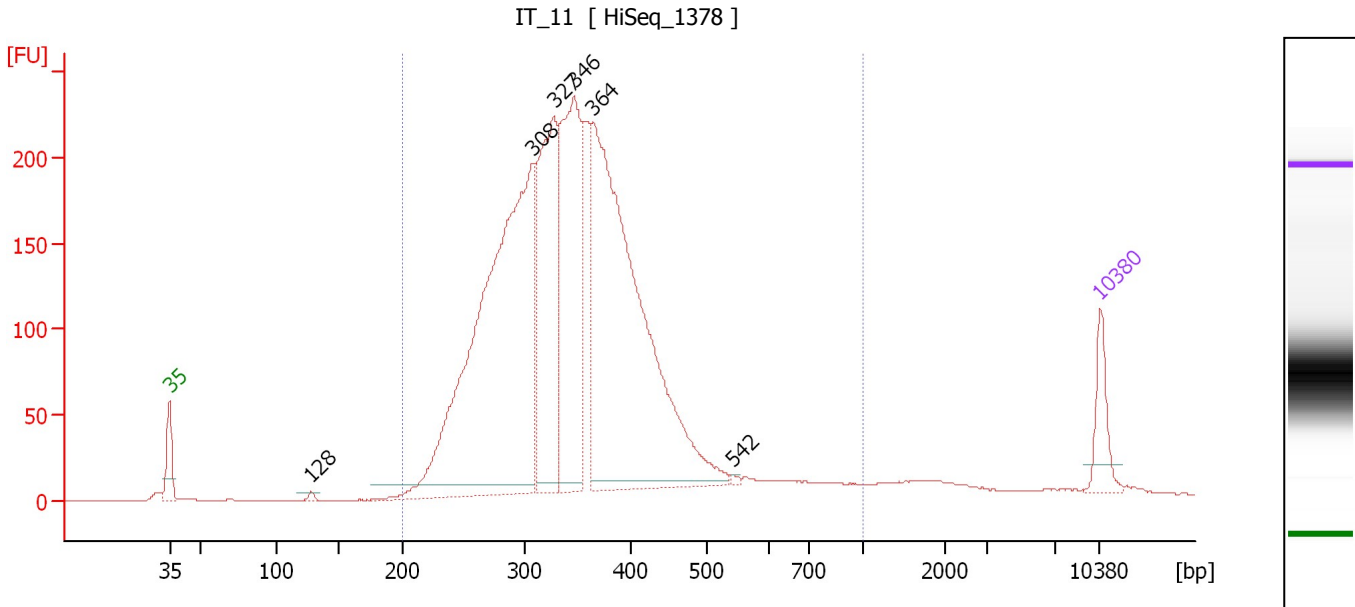
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	51.01
4	150	150.00	1,515.2	Ladder Peak	55.76
5	200	150.00	1,136.4	Ladder Peak	60.51
6	300	150.00	757.6	Ladder Peak	69.72
7	400	150.00	568.2	Ladder Peak	77.74
8	500	150.00	454.5	Ladder Peak	83.40
9	600	150.00	378.8	Ladder Peak	88.05
10	700	150.00	324.7	Ladder Peak	91.17
11	1,000	150.00	227.3	Ladder Peak	95.20
12	2,000	150.00	113.6	Ladder Peak	101.39
13	3,000	150.00	75.8	Ladder Peak	104.51
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:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
 Modified: 5/9/2018 11:11:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : IT_11

Number of peaks found: 6 Corr. Area 1: 3,931.2
 Noise: 0.2

Peak table for sample 8 : IT_11

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	128	9.52	112.6		53.68
3	308	1,670.34	8,220.2		70.36
4	327	615.26	2,848.1		71.91
5	346	711.82	3,116.7		73.41
6	364	1,496.55	6,227.9		74.86
7	542	4.74	13.2		85.37
8	10,380	75.00	10.9	Upper Marker	113.00

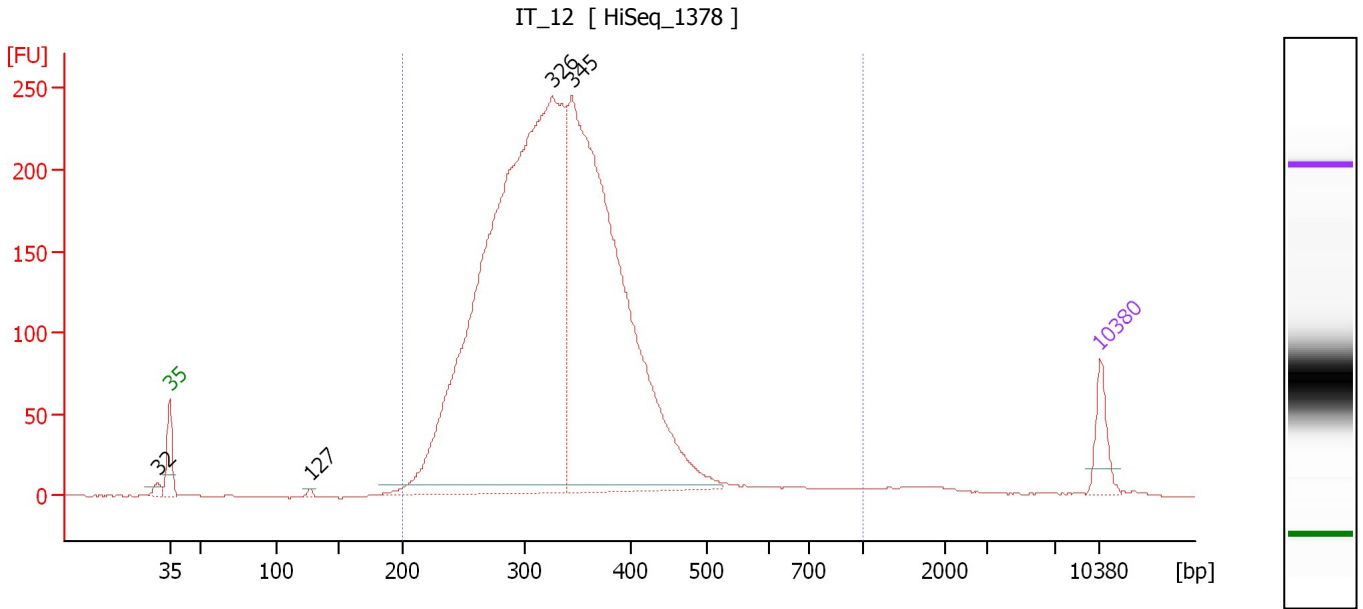
Region table for sample 8 : IT_11

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	355	5,090.52	3,931.2	23,260.5	95	26.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
 Modified: 5/9/2018 11:11:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : IT_12

Number of peaks found: 4 Corr. Area 1: 4,037.3
 Noise: 0.3

Peak table for sample 9 : IT_12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.10
2	35	125.00	5,411.3	Lower Marker	43.00
3	127	9.13	108.8		53.58
4	326	3,757.89	17,480.9		71.78
5	345	2,503.79	11,009.3		73.30
6	10,380	75.00	10.9	Upper Marker	113.00

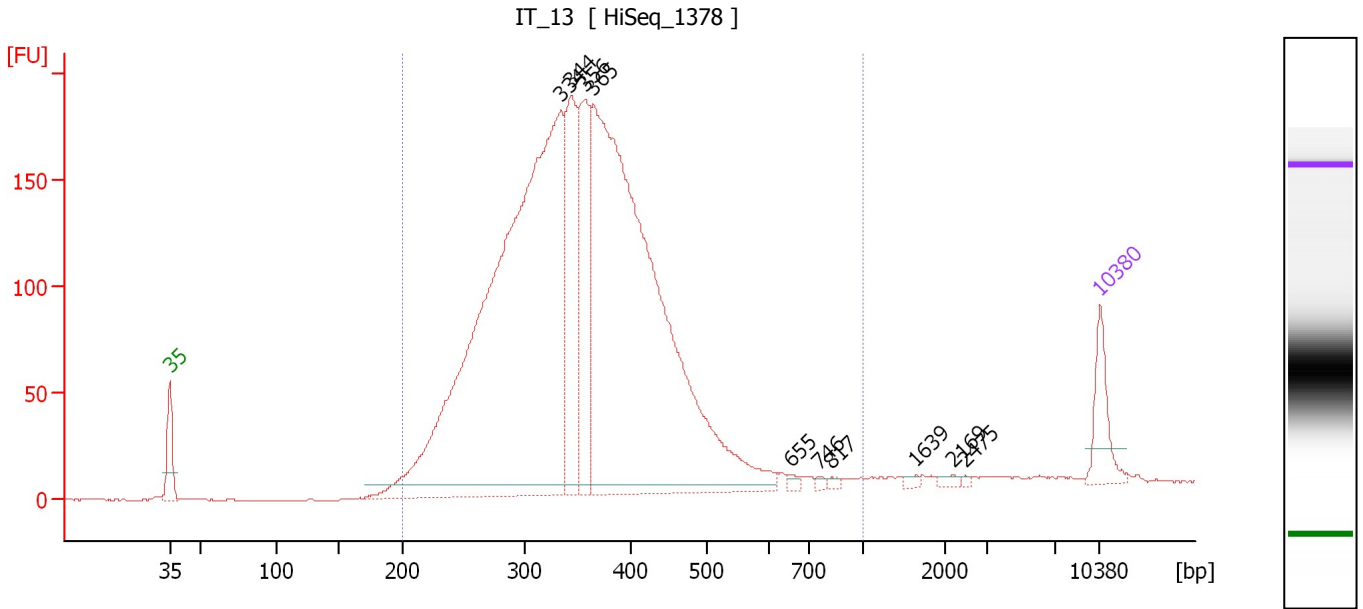
Region table for sample 9 : IT_12

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	338	6,689.56	4,037.3	31,664.8	97	23.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
 Modified: 5/9/2018 11:11:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : IT_13

Number of peaks found: 10 Corr. Area 1: 3,446.3
 Noise: 0.4

Peak table for sample 10 : IT_13

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	334	2,241.05	10,152.0		72.49
3	344	362.13	1,596.9		73.22
4	356	332.22	1,413.0		74.23
5	365	1,960.39	8,145.2		74.91
6	655	10.40	24.1		89.76
7	746	6.66	13.5		91.79
8	817	6.62	12.3		92.74
9	1,639	7.51	6.9		99.16
10	2,169	8.58	6.0		101.91
11	2,475	3.34	2.0		102.87
12	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 10 : IT_13

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	362	5,055.38	3,446.3	22,771.7	94	25.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
Modified: 5/9/2018 11:11:23 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2018-05-09\2018-05-09_001_IT_11_12_13_HiSeq1378.xad

Created: 5/9/2018 9:50:48 AM
Modified: 5/9/2018 11:11:23 AM

Curves

Standard Curve

