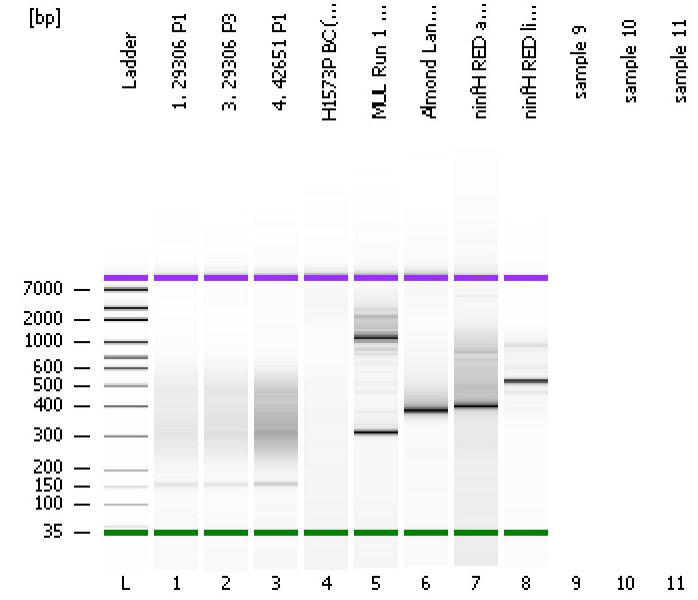
Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electrophoresis File Run Summary



Instrument Information:

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

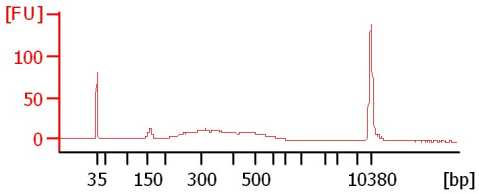
Assay Information:

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

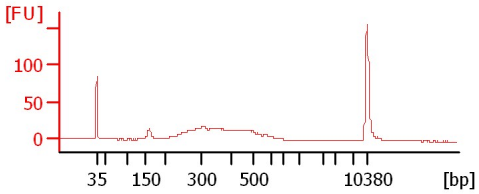
Chip Information:

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

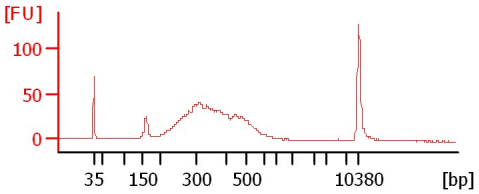
1. 29306 P1



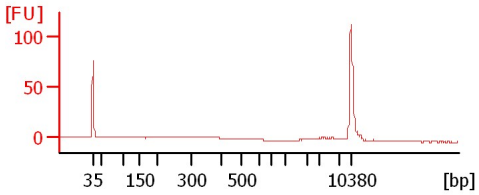
3. 29306 P3



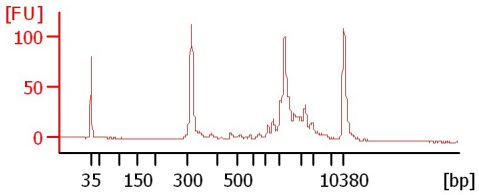
4. 42651 P1



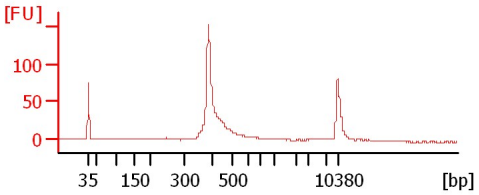
H1573P BC (1:40)



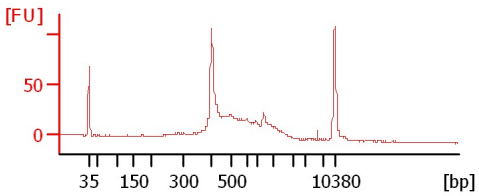
MUL Run 1 amplicon (1:200)



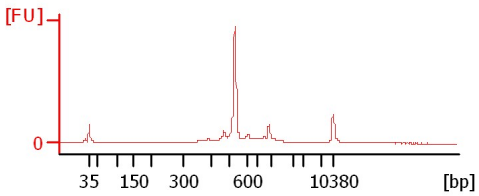
Almond Lane Library (1:50)



ninfH RED amplicon (1:10)



ninfH RED library (1:4)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1. 29306 P1		☐	✔			
3. 29306 P3		☐	✔			
4. 42651 P1		☐	✔			
H1573P BC (1:40)		☐	✔			
MUL Run 1 amplicon (1:200)		☐	✔			
Almond Lane Library (1:50)		☐	✔			
ninfH RED amplicon (1:10)		☐	✔			
ninfH RED library (1:4)		☐	✔			
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

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

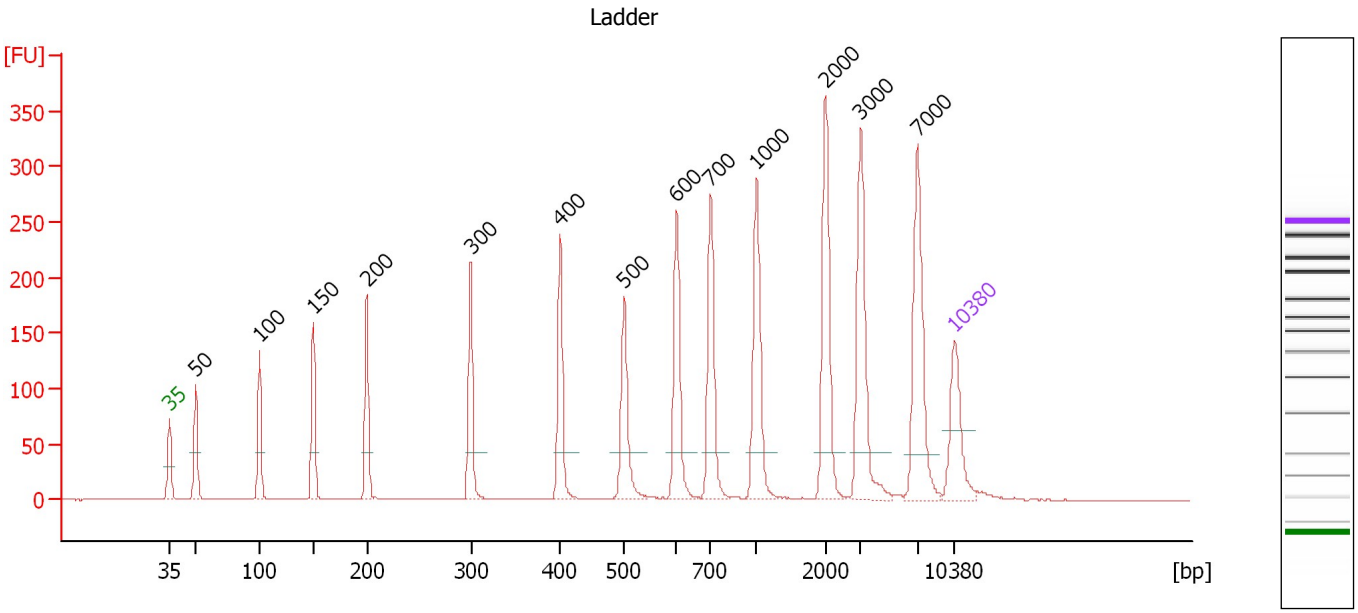
Ladder

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:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

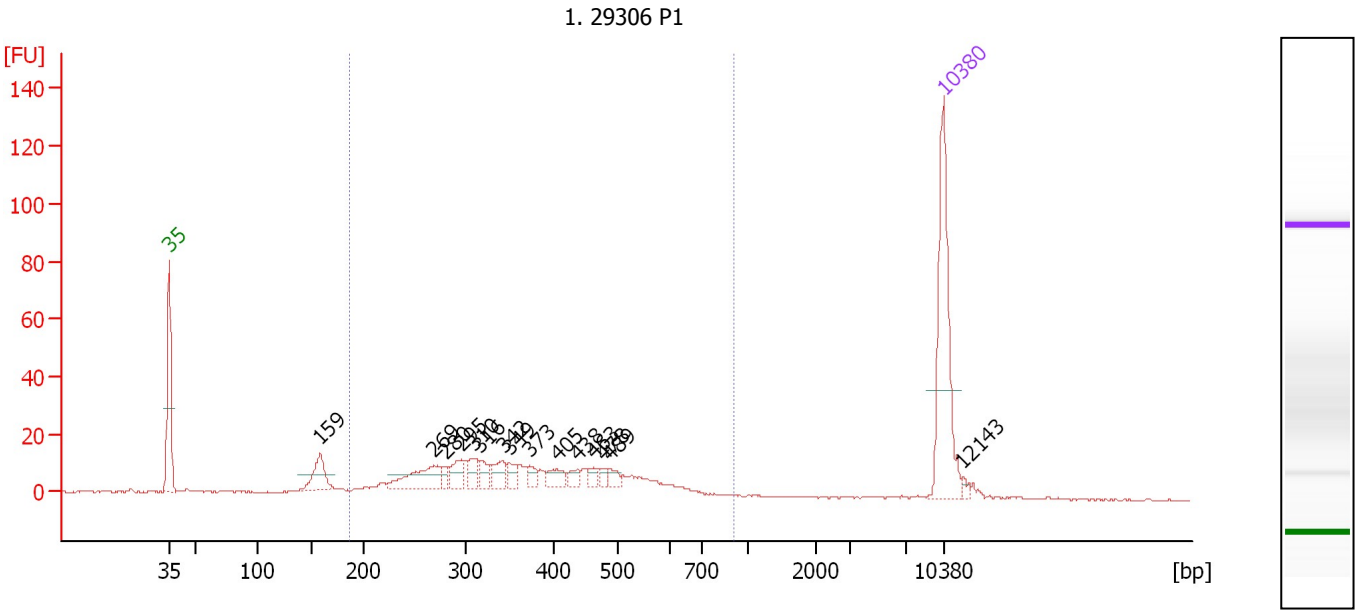
Peak table for Ladder

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	45.33
3		100	150.00	2,272.7	Ladder Peak	51.03
4		150	150.00	1,515.2	Ladder Peak	55.83
5		200	150.00	1,136.4	Ladder Peak	60.58
6		300	150.00	757.6	Ladder Peak	69.85
7		400	150.00	568.2	Ladder Peak	77.79
8		500	150.00	454.5	Ladder Peak	83.49
9		600	150.00	378.8	Ladder Peak	88.19
10		700	150.00	324.7	Ladder Peak	91.23
11		1,000	150.00	227.3	Ladder Peak	95.32
12		2,000	150.00	113.6	Ladder Peak	101.45
13		3,000	150.00	75.8	Ladder Peak	104.59
14		7,000	150.00	32.5	Ladder Peak	109.67
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1. 29306 P1

Number of peaks found:	15	Corr. Area 1:	342.9
Noise:	0.3		

Peak table for sample 1 : 1. 29306 P1

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	159	29.35	279.6		56.69
3	269	35.21	198.5		66.96
4	280	6.55	35.5		67.97
5	295	15.56	79.8		69.42
6	310	12.50	61.2		70.62
7	316	10.39	49.8		71.11
8	342	14.54	64.4		73.18
9	349	8.32	36.1		73.76
10	373	6.82	27.7		75.64
11	405	10.51	39.4		78.05
12	438	6.75	23.4		79.93
13	463	5.64	18.5		81.37
14	478	4.06	12.9		82.24
15	489	6.95	21.5		82.87
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,143	0.00	0.0		114.74

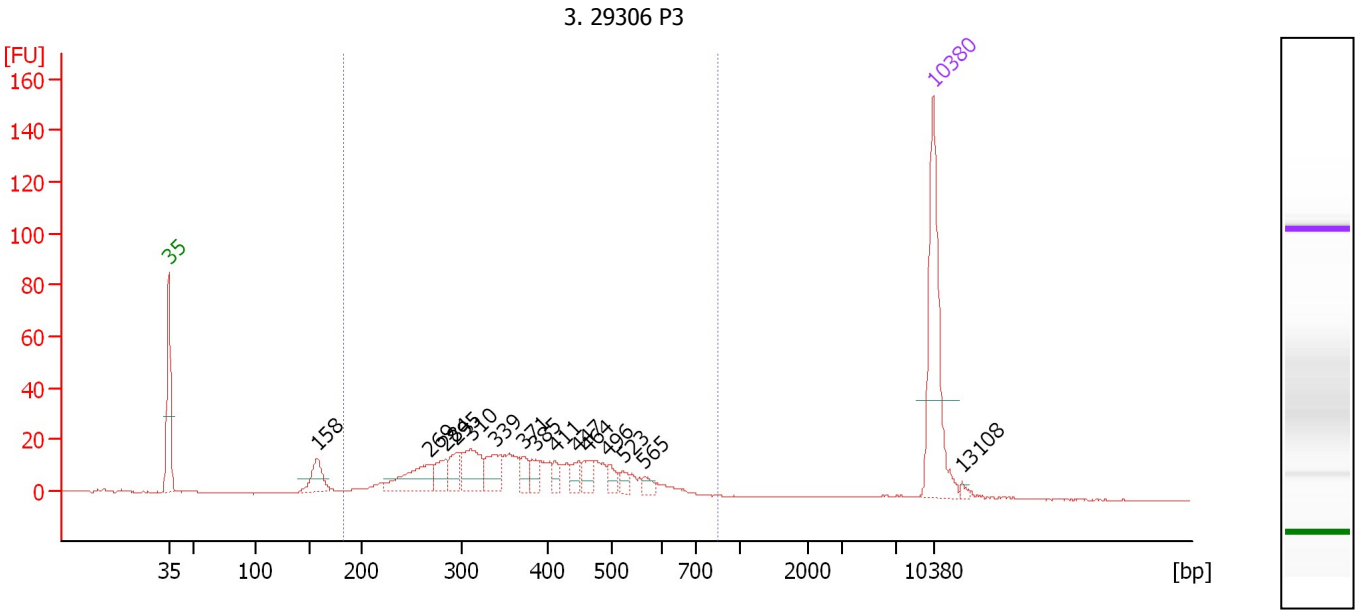
Region table for sample 1 : 1. 29306 P1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
187	909	383	290.49	342.9	1,307.3	80	30.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 3. 29306 P3

Number of peaks found:	15	Corr. Area 1:	441.0
Noise:	0.2		

Peak table for sample 2 : 3. 29306 P3

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	158	27.51	264.2		56.57
3	269	38.12	214.8		66.97
4	284	16.76	89.3		68.38
5	295	17.86	91.8		69.36
6	310	34.36	167.7		70.68
7	339	22.35	100.0		72.92
8	371	10.86	44.3		75.51
9	385	9.32	36.6		76.63
10	411	7.20	26.6		78.39
11	447	9.77	33.2		80.44
12	464	12.90	42.2		81.42
13	496	8.60	26.3		83.27
14	523	5.91	17.1		84.59
15	565	5.21	14.0		86.54
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,108	0.00	0.0		115.68

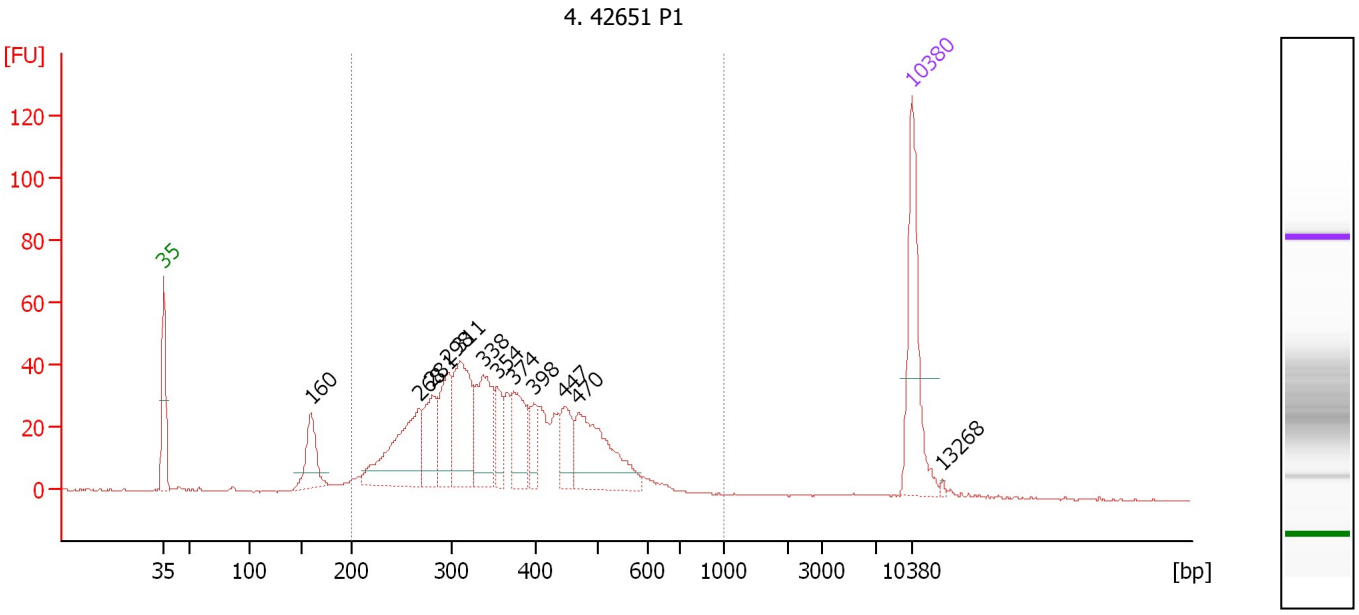
Region table for sample 2 : 3. 29306 P3

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
183	855	381	331.79	441.0	1,472.2	88	28.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 4. 42651 P1

Number of peaks found:	12	Corr. Area 1:	931.6
Noise:	0.2		

Peak table for sample 3 : 4. 42651 P1

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	160	53.92	511.3		56.76
3	268	113.08	639.4		66.88
4	281	55.91	301.0		68.13
5	298	61.31	312.2		69.62
6	311	99.86	486.5		70.72
7	338	76.68	343.8		72.86
8	354	29.55	126.4		74.16
9	374	54.16	219.5		75.71
10	398	20.19	76.9		77.60
11	447	35.75	121.3		80.44
12	470	96.61	311.3		81.79
13	10,380	75.00	10.9	Upper Marker	113.00
14	13,268	0.00	0.0		115.84

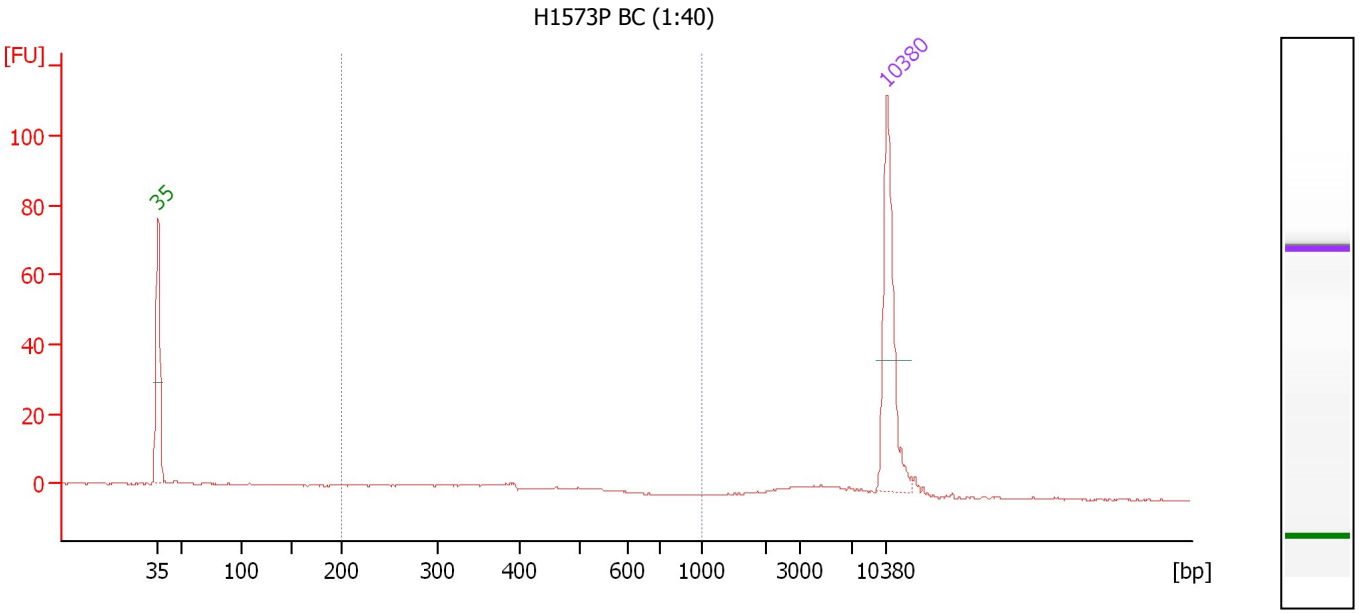
Region table for sample 3 : 4. 42651 P1

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	371	818.51	931.6	3,679.0	90	27.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : H1573P BC (1:40)

Number of peaks found:	0	Corr. Area 1:	36.5
Noise:	0.2		

Peak table for sample 4 : H1573P BC (1:40)

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	10,380	75.00	10.9	Upper Marker	113.00

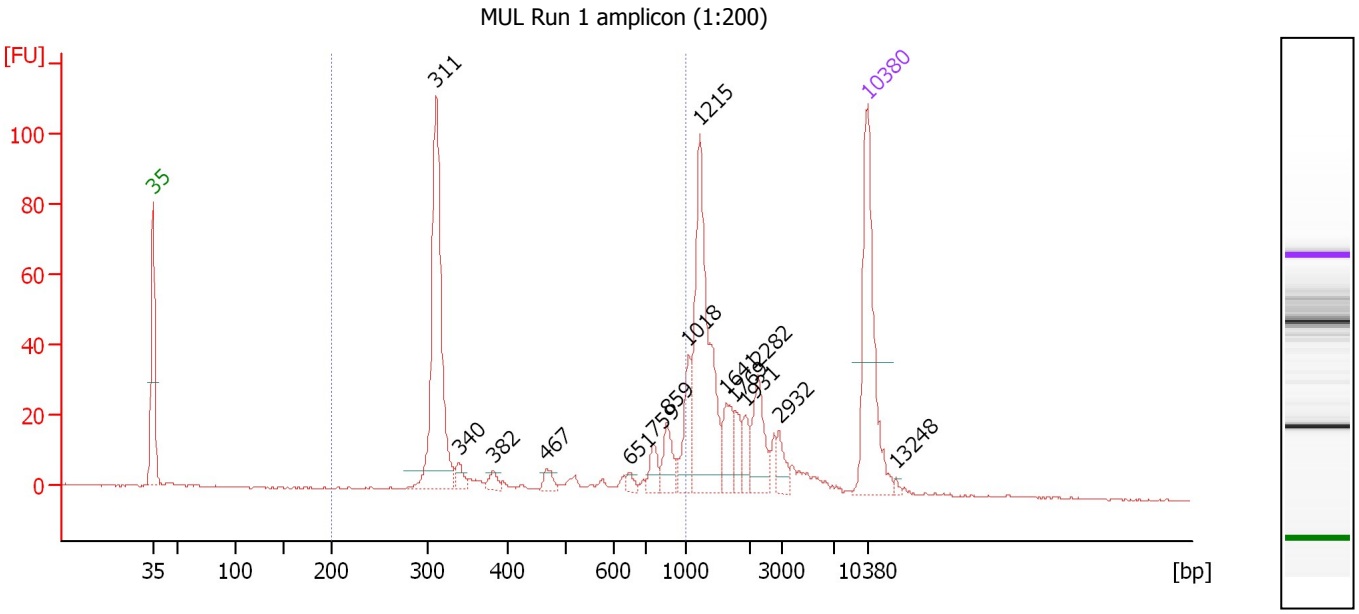
Region table for sample 4 : H1573P BC (1:40)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
200	1,000	352	37.03	36.5	176.5	41	26.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : MUL Run 1 amplicon (1:200)

Number of peaks found:	15	Corr. Area 1:	309.2
Noise:	0.2		

Peak table for sample 5 : MUL Run 1 amplicon (1:200)

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	311	169.01	822.2		70.76
3	340	9.01	40.2		73.01
4	382	6.45	25.6		76.35
5	467	7.26	23.6		81.58
6	651	4.21	9.8		89.74
7	759	11.25	22.5		92.04
8	859	17.27	30.5		93.40
9	1,018	25.14	37.4		95.43
10	1,215	111.48	139.1		96.64
11	1,641	19.02	17.6		99.25
12	1,769	10.60	9.1		100.04
13	1,931	10.97	8.6		101.03
14	2,282	26.54	17.6		102.34
15	2,932	10.17	5.3		104.37
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,248	0.00	0.0		115.82

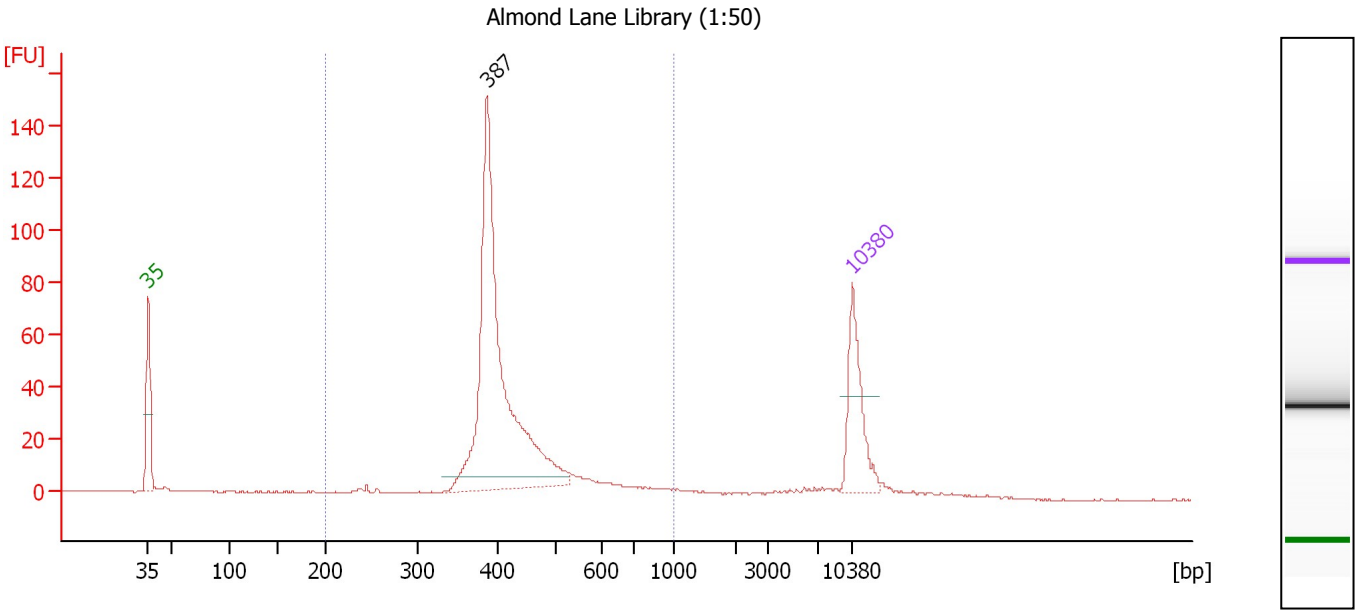
Region table for sample 5 : MUL Run 1 amplicon (1:200)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
200	1,000	474	275.97	309.2	1,124.1	46	48.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Almond Lane Library (1:50)

Number of peaks found:	1	Corr. Area 1:	574.6
Noise:	0.2		

Peak table for sample 6 : Almond Lane Library (1:50)

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		387	486.21	1,905.3		76.73
3	▶	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 6 : Almond Lane Library (1:50)

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	431	577.43	574.6	2,128.3	89	22.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

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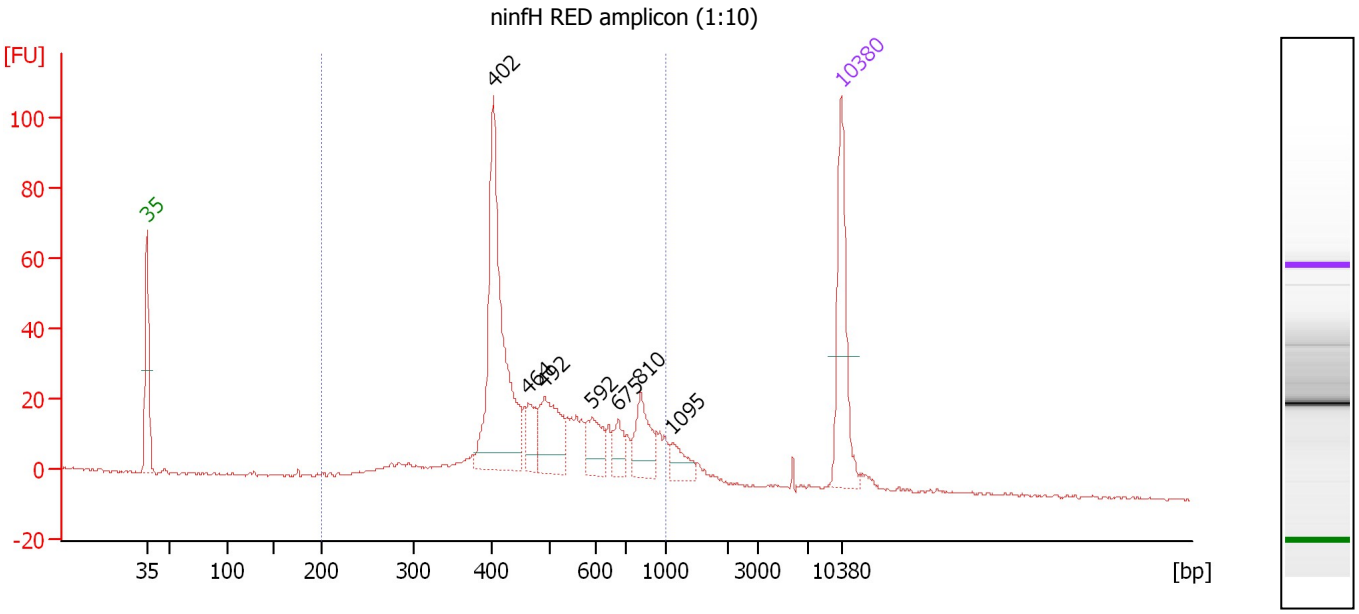
Electropherogram Summary Continued ...



Overall Results for sample 7 : ninfH RED amplicon (1:10)

Number of peaks found:	7	Corr. Area 1:	603.7
Noise:	0.4		

Peak table for sample 7 : ninfH RED amplicon (1:10)

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	402	228.04	859.8		77.89
3	464	30.13	98.4		81.44
4	492	63.21	194.5		83.05
5	592	31.85	81.4		87.84
6	675	19.87	44.6		90.47
7	810	41.89	78.4		92.73
8	1,095	17.41	24.1		95.90
9	10,380	75.00	10.9	Upper Marker	113.00

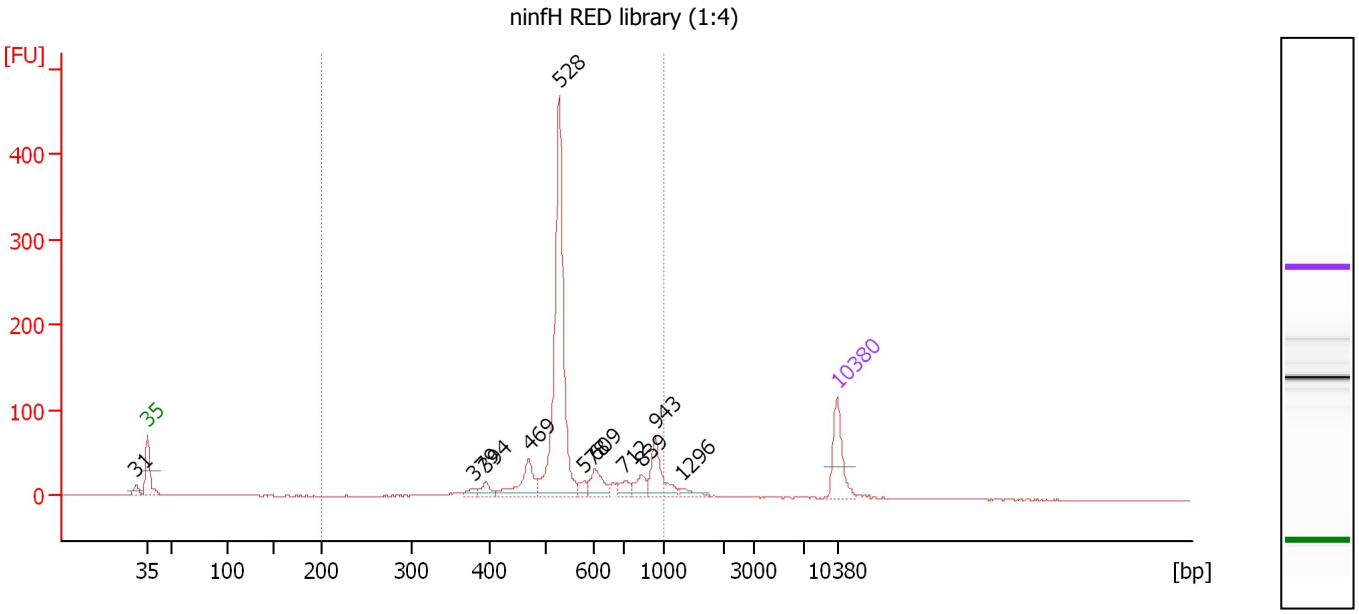
Region table for sample 7 : ninfH RED amplicon (1:10)

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	518	609.51	603.7	2,003.0	90	31.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : ninfH RED library (1:4)

Number of peaks found:	11	Corr. Area 1:	986.9
Noise:	0.4		

Peak table for sample 8 : ninfH RED library (1:4)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.81
2	35	125.00	5,411.3	Lower Marker	43.00
3	379	12.11	48.4		76.13
4	394	22.87	87.9		77.32
5	469	81.22	262.5		81.71
6	528	533.72	1,532.3		84.79
7	578	15.52	40.6		87.18
8	609	48.56	120.8		88.48
9	712	22.66	48.2		91.40
10	839	29.80	53.8		93.13
11	943	75.50	121.4		94.54
12	1,296	15.21	17.8		97.14
13	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 8 : ninfH RED library (1:4)

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	570	893.57	986.9	2,550.2	89	25.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

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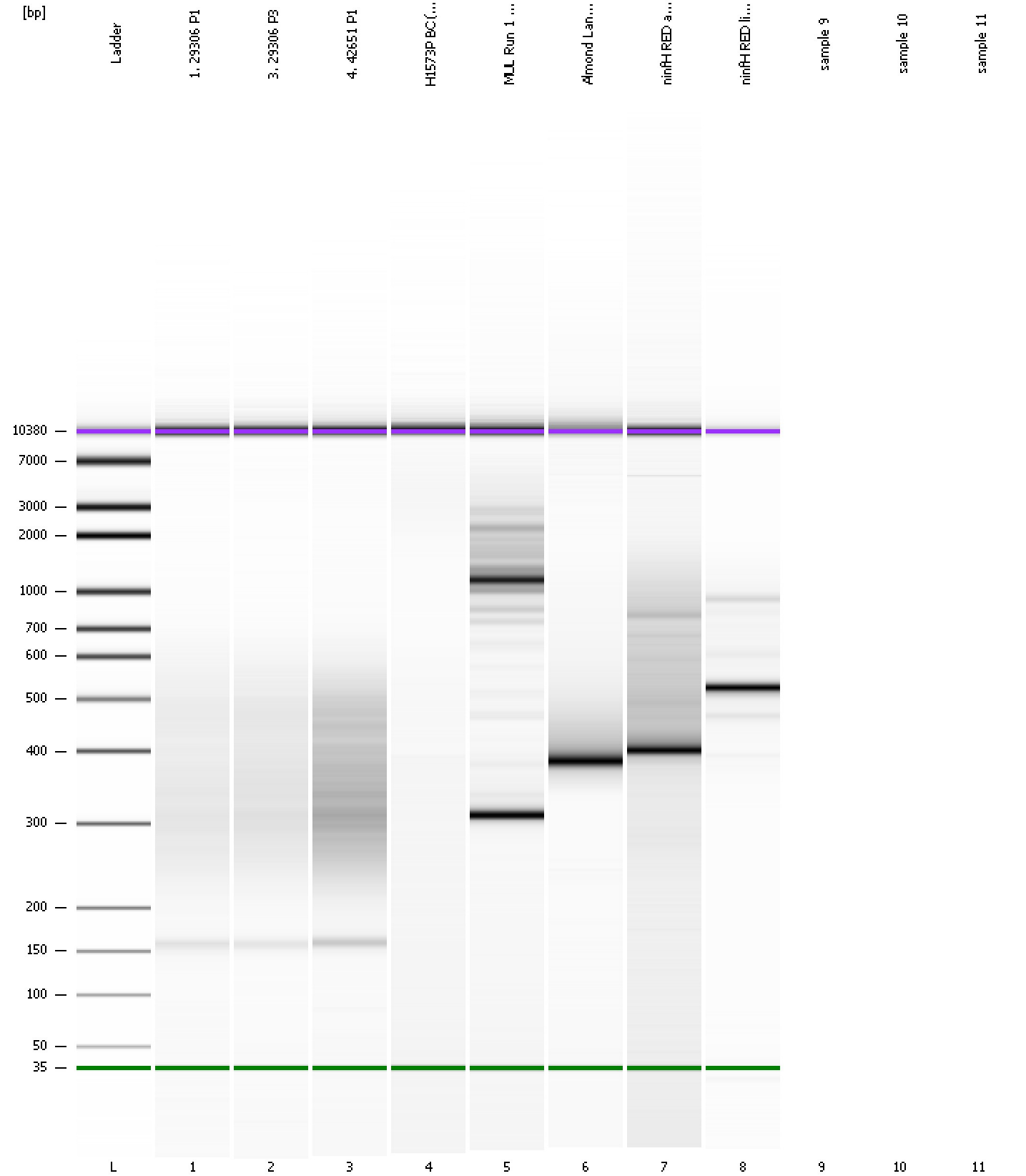
Modified: 10/18/2018 4:58:15 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-18\2018-10-18_001.xad

Created: 10/18/2018 4:25:29 PM
Modified: 10/18/2018 4:58:15 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.