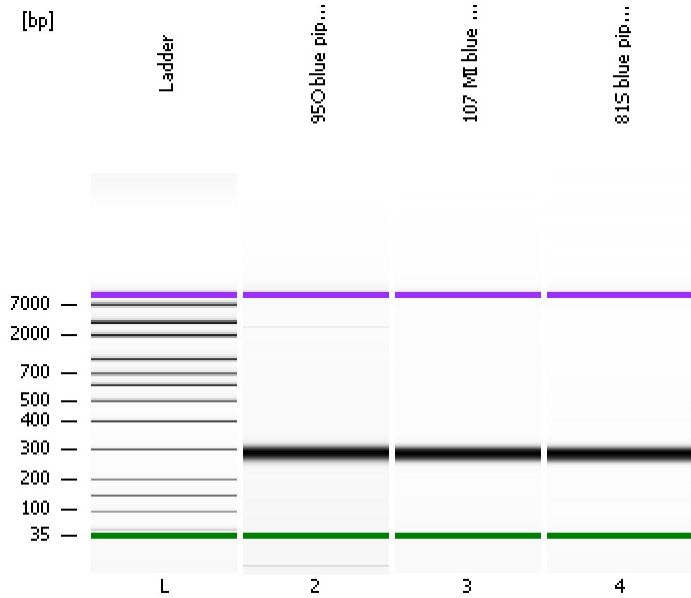


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

Created: 6/4/2015 12:42:56 PM  
Modified: 6/4/2015 10:12:38 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

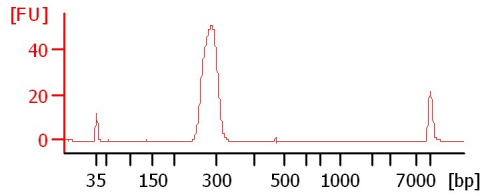
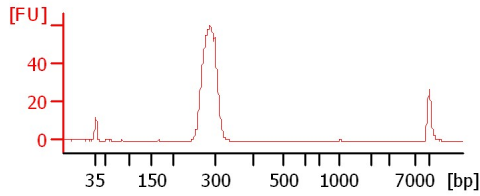
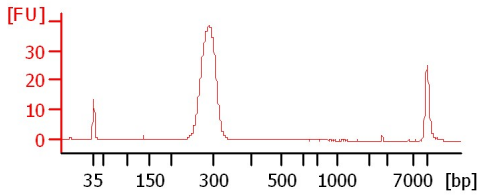
Chip Information:

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

950 blue pippin KAPA lib (1:2)

107 MI blue pippin KAPA lib (1:2)

81S blue pippin KAPA lib (1:2)



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

Created: 6/4/2015 12:42:56 PM  
Modified: 6/4/2015 10:12:38 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
950 blue pippin KAPA lib (1:2)		<input type="checkbox"/>	✓			
107 MI blue pippin KAPA lib (1:2)		<input type="checkbox"/>	✓			
81S blue pippin KAPA lib (1:2)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

Created: 6/4/2015 12:42:56 PM  
Modified: 6/4/2015 10:12:38 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

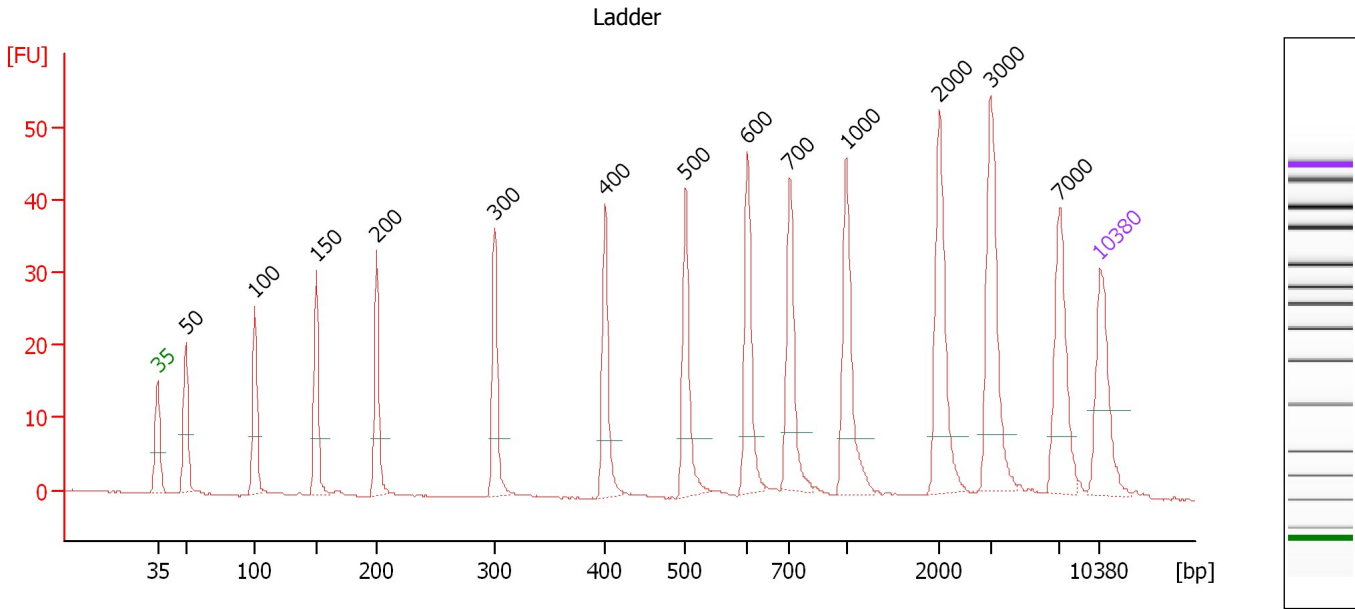
**Ladder**

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:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

Created: 6/4/2015 12:42:56 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

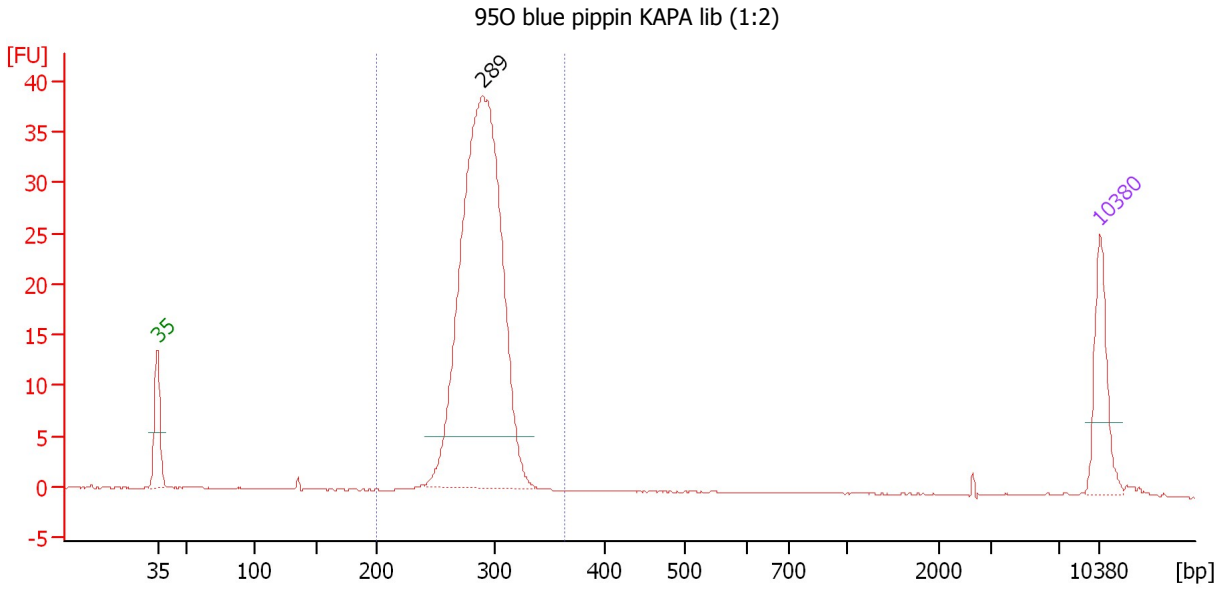
**Peak table for Ladder**

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	45.07
3	100	150.00	2,272.7	Ladder Peak	50.21
4	150	150.00	1,515.2	Ladder Peak	54.79
5	200	150.00	1,136.4	Ladder Peak	59.27
6	300	150.00	757.6	Ladder Peak	68.06
7	400	150.00	568.2	Ladder Peak	76.25
8	500	150.00	454.5	Ladder Peak	82.20
9	600	150.00	378.8	Ladder Peak	86.85
10	700	150.00	324.7	Ladder Peak	89.96
11	1,000	150.00	227.3	Ladder Peak	94.16
12	2,000	150.00	113.6	Ladder Peak	101.04
13	3,000	150.00	75.8	Ladder Peak	104.86
14	7,000	150.00	32.5	Ladder Peak	110.00
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 950 blue pippin KAPA lib (1:2)**

Number of peaks found: 1                      Corr. Area 1: 204.2  
 Noise: 0.1

**Peak table for sample 2 : 950 blue pippin KAPA lib (1:2)**

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	289	1,019.93	5,340.7		67.13
3	10,380	75.00	10.9	Upper Marker	113.00

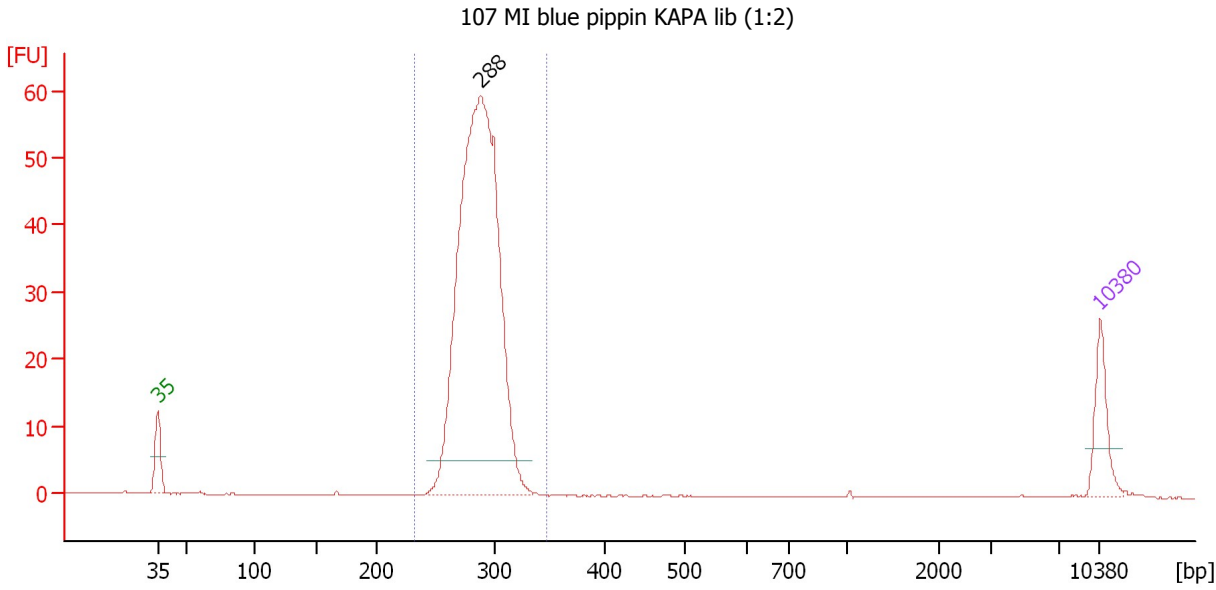
**Region table for sample 2 : 950 blue pippin KAPA lib (1:2)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	288	362	204.2	5,565.8	94	5.7	1,056.11

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

Created: 6/4/2015 12:42:56 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 107 MI blue pippin KAPA lib (1:2)**

Number of peaks found: 1                      Corr. Area 1: 300.1  
 Noise: 0.1

**Peak table for sample 3 : 107 MI blue pippin KAPA lib (1:2)**

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	288	1,584.75	8,348.8		66.97
3	10,380	75.00	10.9	Upper Marker	113.00

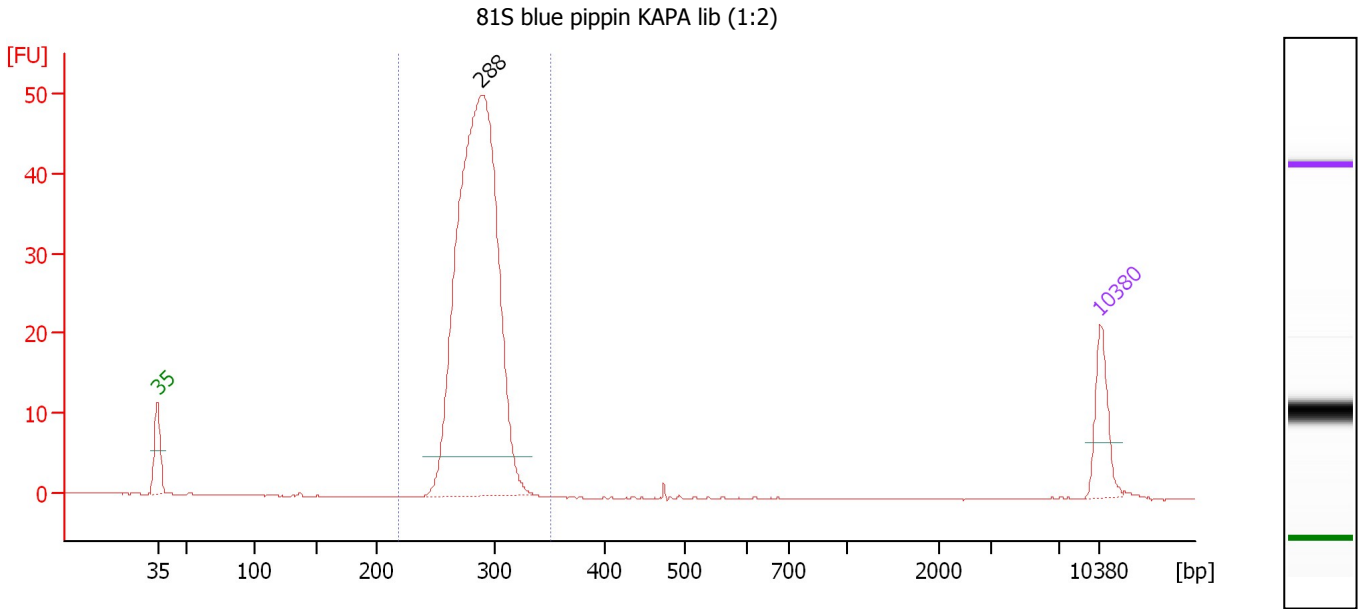
**Region table for sample 3 : 107 MI blue pippin KAPA lib (1:2)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
231	286	346	300.1	8,476.1	98	5.1	1,599.74

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

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 Modified: 6/4/2015 10:12:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 81S blue pippin KAPA lib (1:2)**

Number of peaks found: 1                      Corr. Area 1: 253.6  
 Noise: 0.1

**Peak table for sample 4 : 81S blue pippin KAPA lib (1:2)**

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	288	1,537.96	8,097.2		66.99
3	10,380	75.00	10.9	Upper Marker	113.00

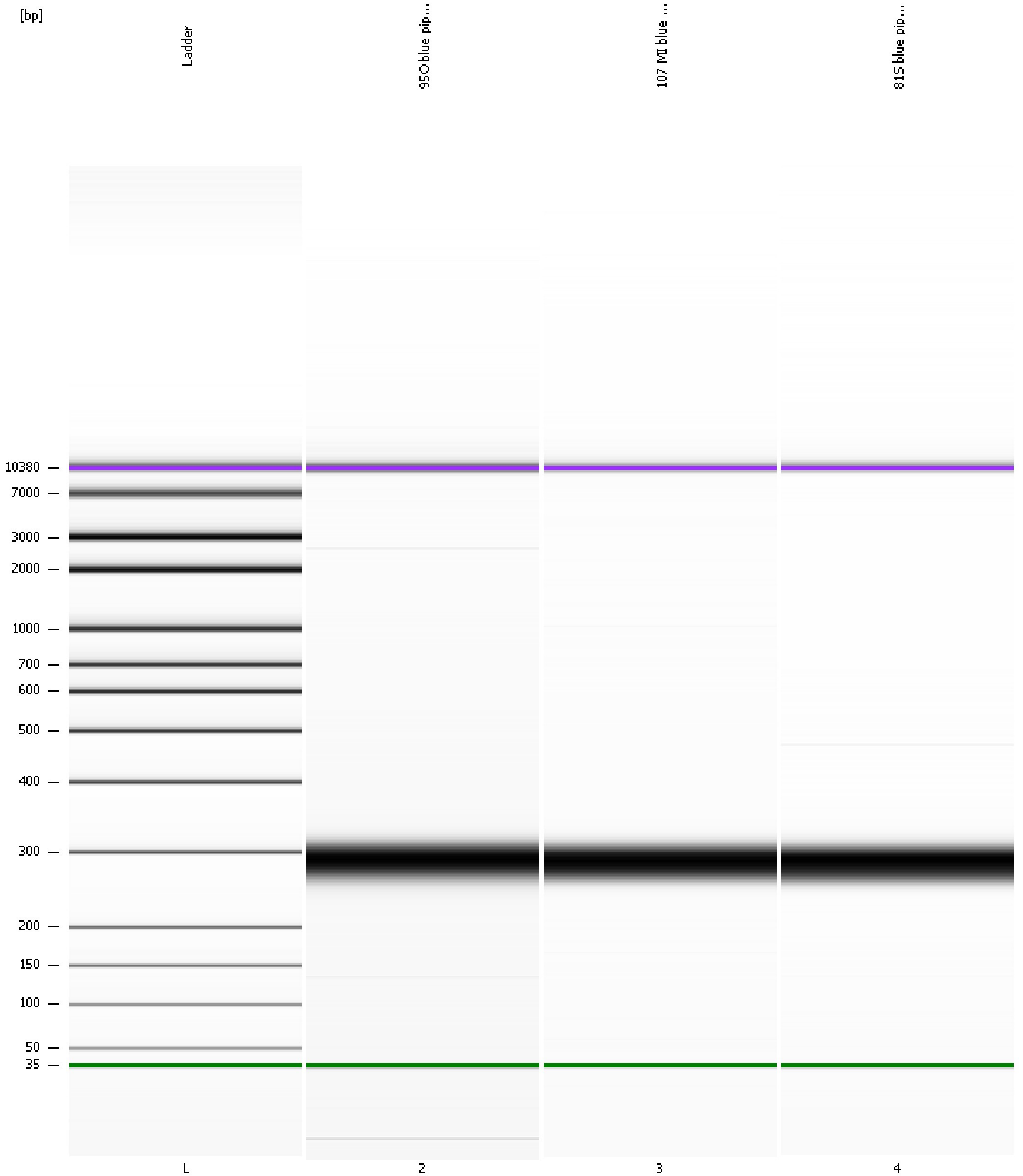
**Region table for sample 4 : 81S blue pippin KAPA lib (1:2)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
218	285	351	253.6	8,185.5	100	5.2	1,537.68

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

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**Gel Image**





Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\2015-06-04\_002\_HiSeq88\_KAPALibs\_BluePippinSizeSelected.xad

Created: 6/4/2015 12:42:56 PM  
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**Curves**

**Standard Curve**

