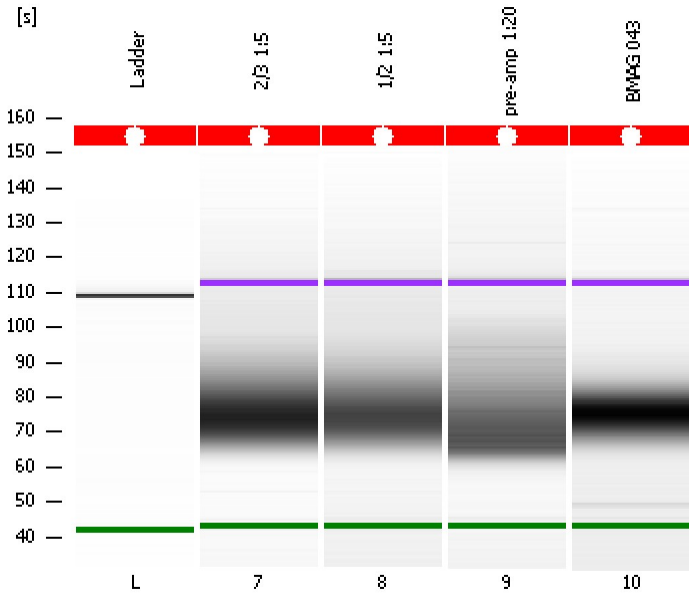


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
Modified: 10/31/2016 2:26:03 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

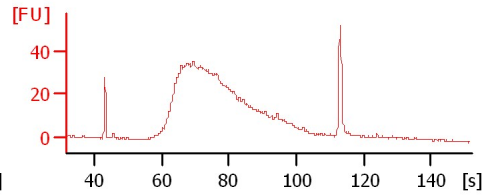
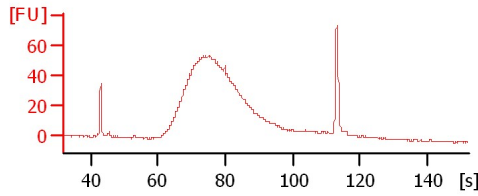
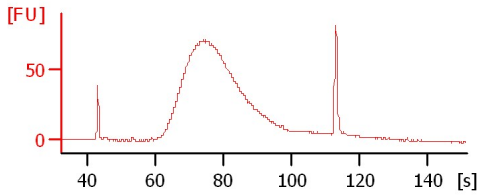
Chip Information:

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

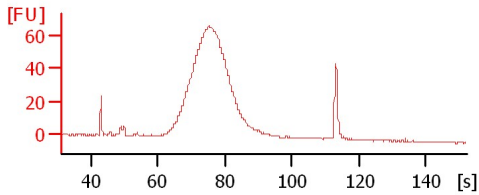
2/3 1:5

1/2 1:5

pre-amp 1:20



BMAG 043



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
Modified: 10/31/2016 2:26:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
2/3 1:5		<input type="checkbox"/>	✓			
1/2 1:5		<input type="checkbox"/>	✓			
pre-amp 1:20		<input type="checkbox"/>	✓			
BMAG 043		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
Modified: 10/31/2016 2:26:03 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

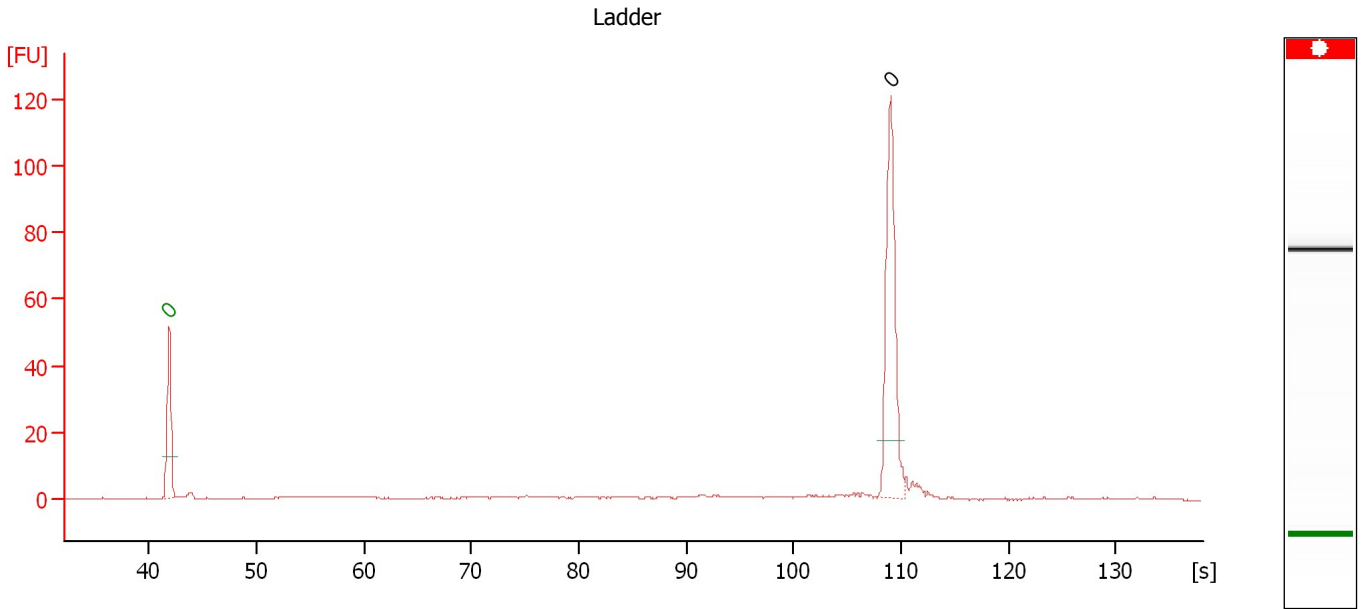
Ladder

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:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:26:03 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

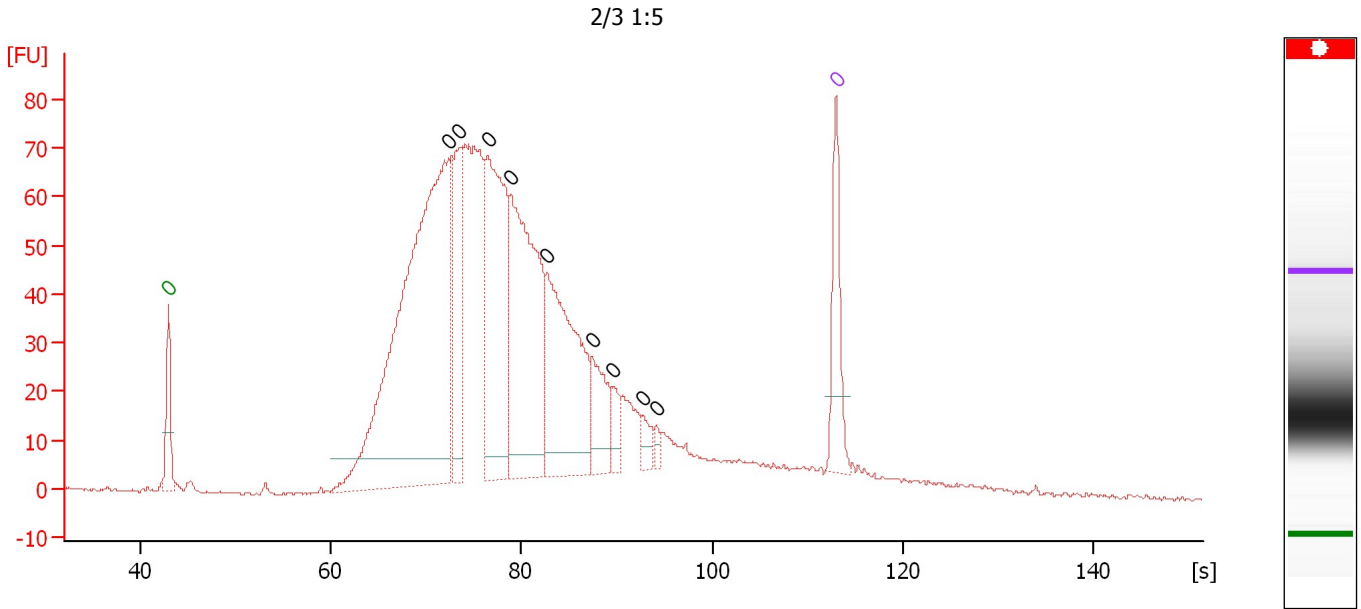
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	41.85
2	0	0.00	0.0	Ladder Peak	109.05

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:26:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2/3 1:5

Number of peaks found: 9 Noise: 0.3

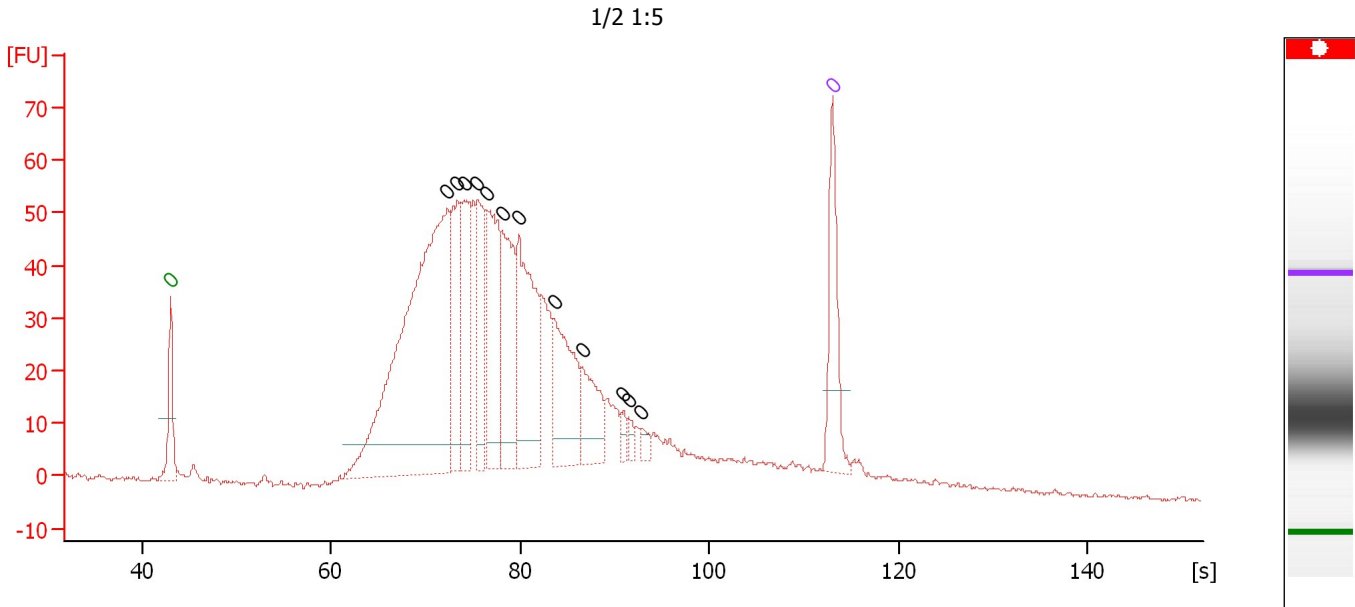
Peak table for sample 7 : 2/3 1:5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		72.34
3	0	0.00	0.0		73.52
4	0	0.00	0.0		76.51
5	0	0.00	0.0		78.87
6	0	0.00	0.0		82.65
7	0	0.00	0.0		87.43
8	0	0.00	0.0		89.52
9	0	0.00	0.0		92.78
10	0	0.00	0.0		94.13
11	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:26:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 1/2 1:5

Number of peaks found: 12 Noise: 0.4

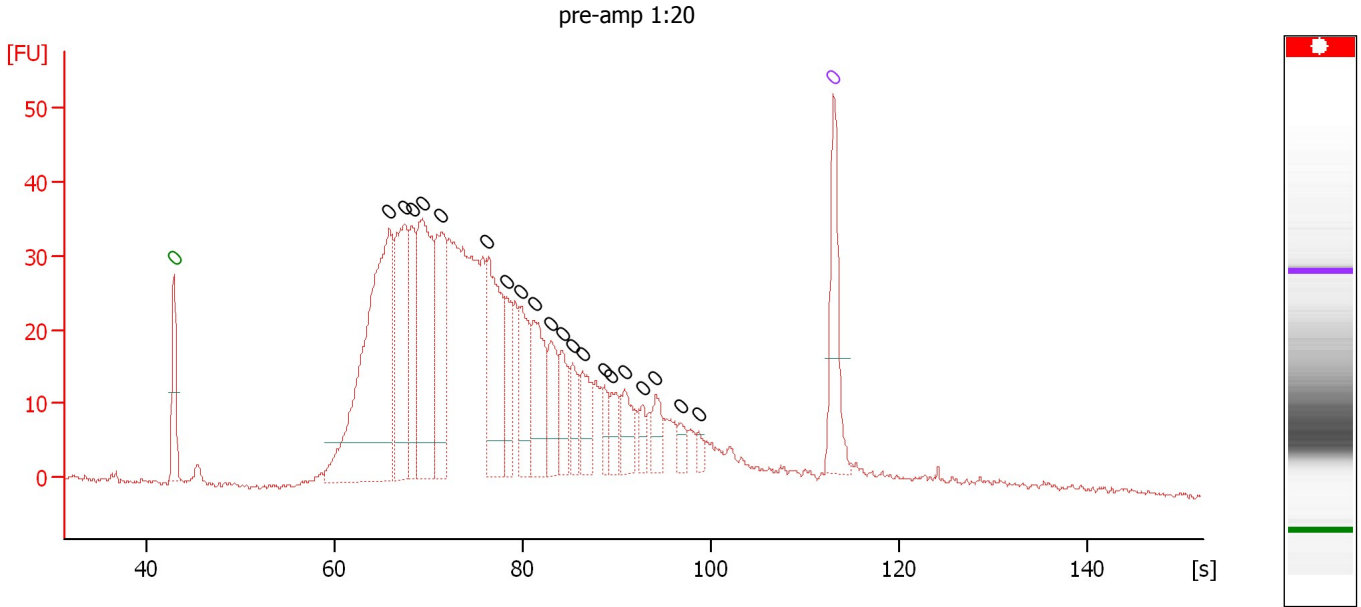
Peak table for sample 8 : 1/2 1:5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		72.20
3	0	0.00	0.0		73.34
4	0	0.00	0.0		74.08
5	0	0.00	0.0		75.44
6	0	0.00	0.0		76.52
7	0	0.00	0.0		78.06
8	0	0.00	0.0		79.88
9	0	0.00	0.0		83.57
10	0	0.00	0.0		86.52
11	0	0.00	0.0		90.90
12	0	0.00	0.0		91.47
13	0	0.00	0.0		92.77
14	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:26:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : pre-amp 1:20

Number of peaks found: 20 Noise: 0.4

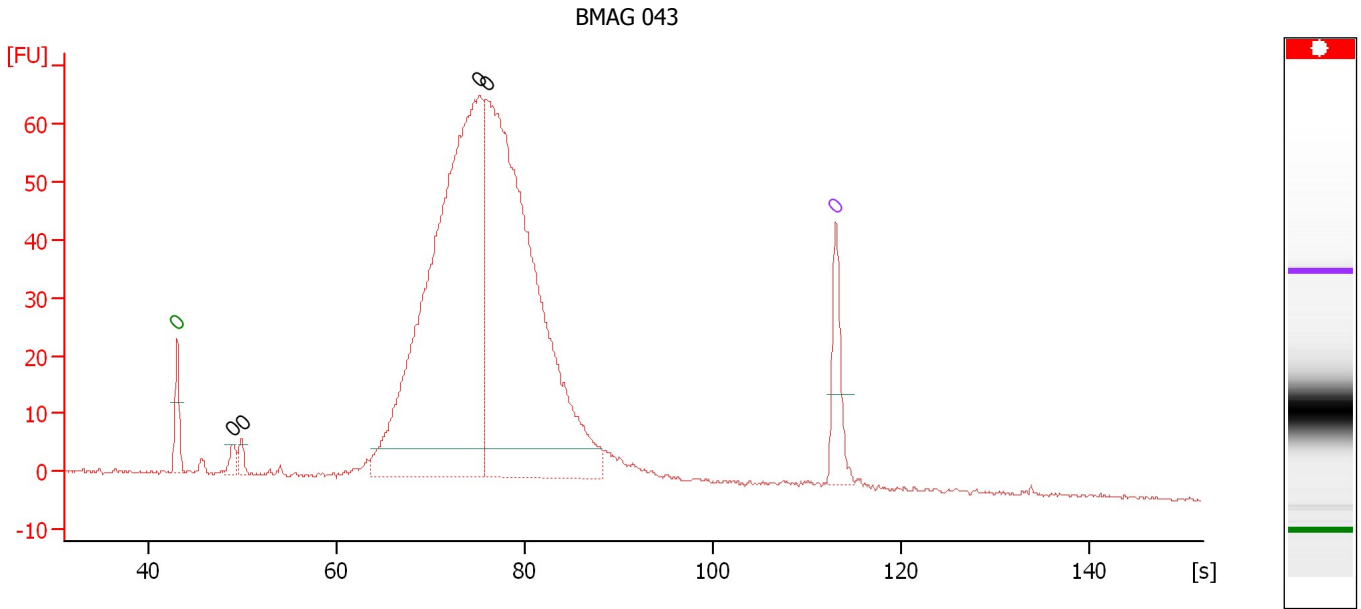
Peak table for sample 9 : pre-amp 1:20

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		65.86
3	0	0.00	0.0		67.45
4	0	0.00	0.0		68.25
5	0	0.00	0.0		69.34
6	0	0.00	0.0		71.39
7	0	0.00	0.0		76.18
8	0	0.00	0.0		78.23
9	0	0.00	0.0		79.71
10	0	0.00	0.0		81.19
11	0	0.00	0.0		82.96
12	0	0.00	0.0		84.21
13	0	0.00	0.0		85.30
14	0	0.00	0.0		86.38
15	0	0.00	0.0		88.66
16	0	0.00	0.0		89.46
17	0	0.00	0.0		90.83
18	0	0.00	0.0		92.76
19	0	0.00	0.0		94.13
20	0	0.00	0.0		96.81
21	0	0.00	0.0		98.69
22	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:26:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : BMAG 043

Number of peaks found: 4 Noise: 0.4

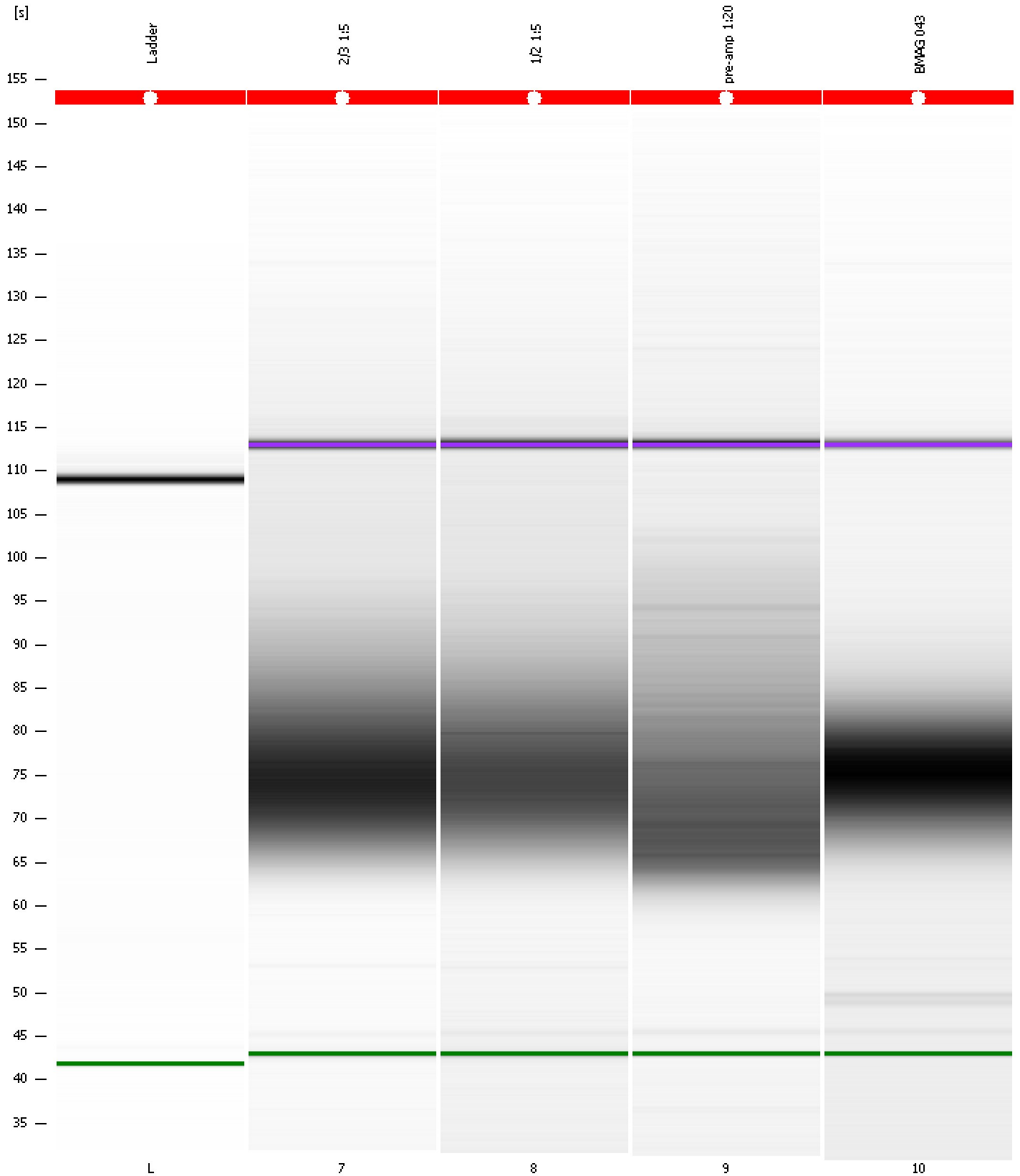
Peak table for sample 10 : BMAG 043

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		48.88
3	0	0.00	0.0		49.85
4	0	0.00	0.0		75.15
5	0	0.00	0.0		75.89
6	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
Modified: 10/31/2016 2:26:03 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2016-10-31\2016-10-31_004_2-3_1-2_preamp_BMAG043.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:26:03 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/31/2016 1:22:36 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-10-31\2016-10-31_004.xad)		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/31/2016 12:41:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1