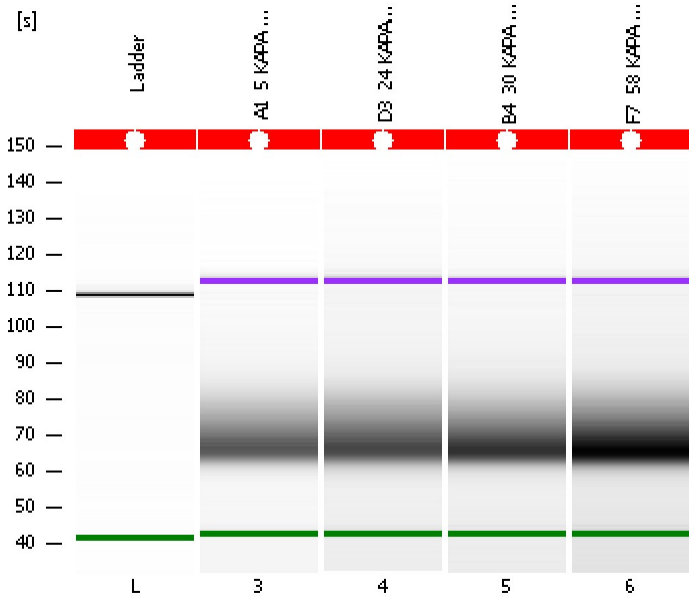


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
Modified: 10/31/2016 2:24:58 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

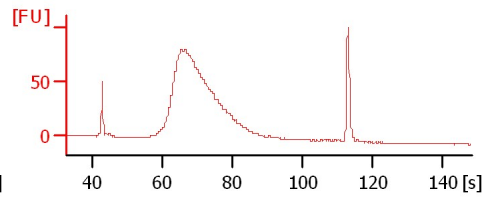
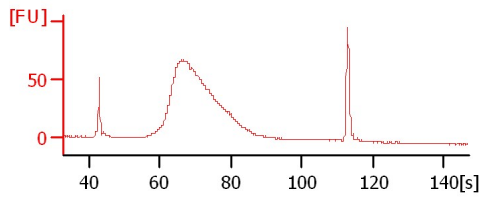
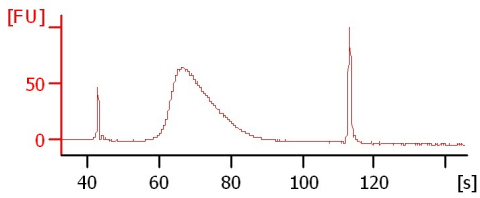
Chip Information:

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

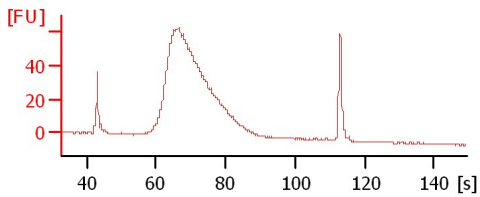
A1_5 KAPA mRNA Library

D3_24 KAPA mRNA Library

B4_30 KAPA mRNA Library



F7_58 KAPA mRNA Library



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:24:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A1_5 KAPA mRNA Library		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
D3_24 KAPA mRNA Library		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
B4_30 KAPA mRNA Library		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
F7_58 KAPA mRNA Library		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Ladder		<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
Modified: 10/31/2016 2:24:58 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

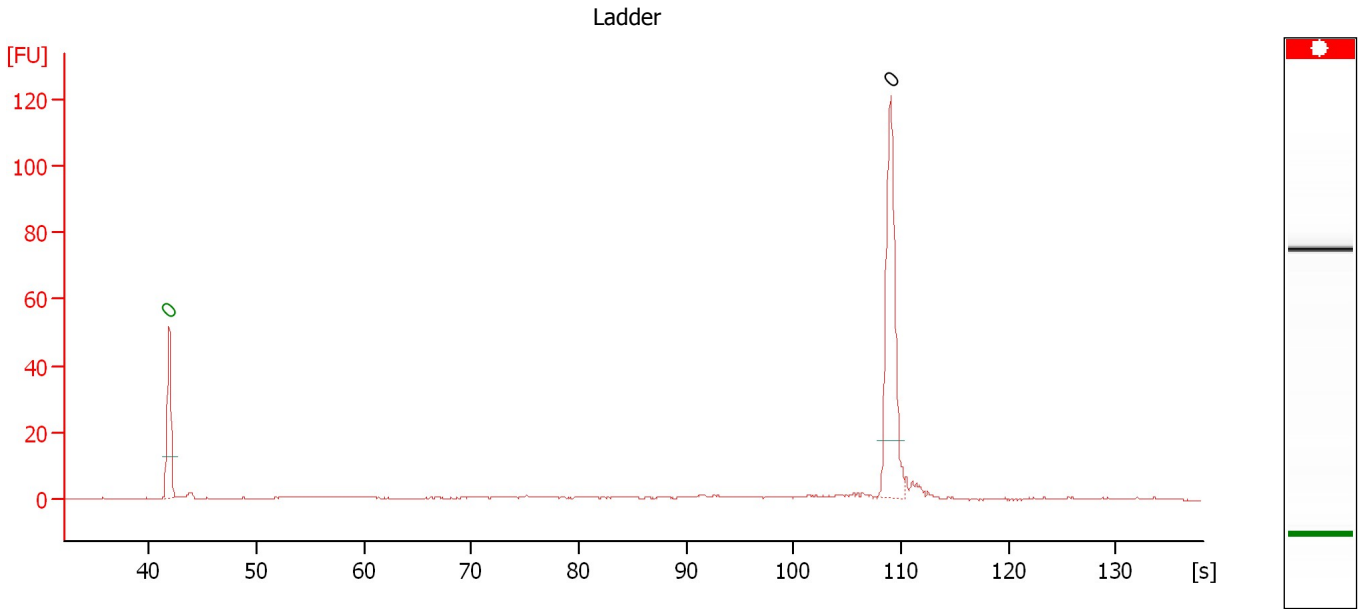
Ladder

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:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:24:58 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

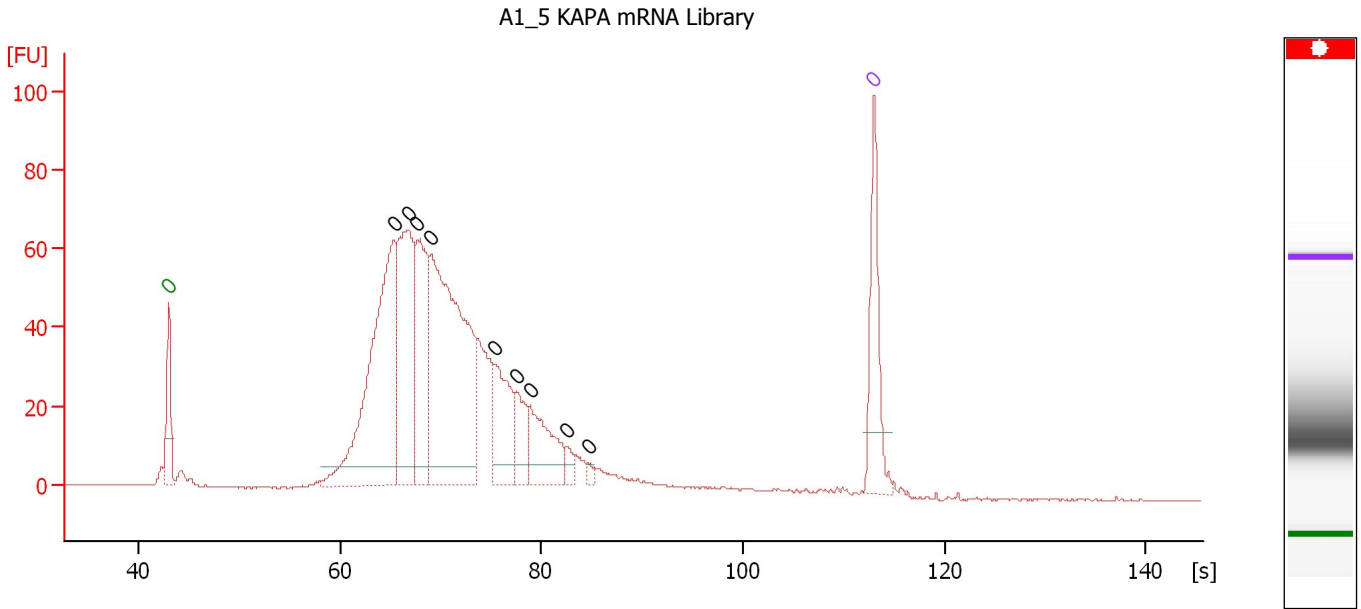
Peak table for Ladder

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:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:24:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A1_5 KAPA mRNA Library

Number of peaks found: 9 Noise: 0.2

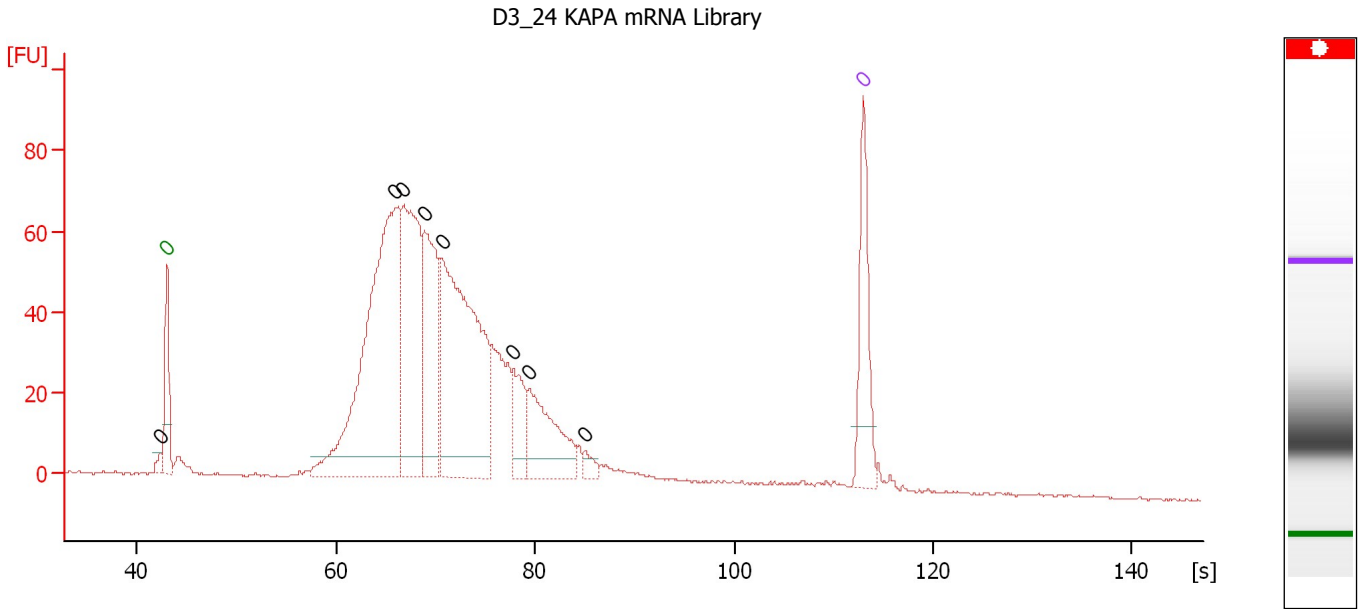
Peak table for sample 3 : A1_5 KAPA mRNA Library

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		65.39
3	0	0.00	0.0		66.78
4	0	0.00	0.0		67.68
5	0	0.00	0.0		69.07
6	0	0.00	0.0		75.31
7	0	0.00	0.0		77.49
8	0	0.00	0.0		78.88
9	0	0.00	0.0		82.50
10	0	0.00	0.0		84.64
11	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:24:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D3_24 KAPA mRNA Library

Number of peaks found: 8 Noise: 0.3

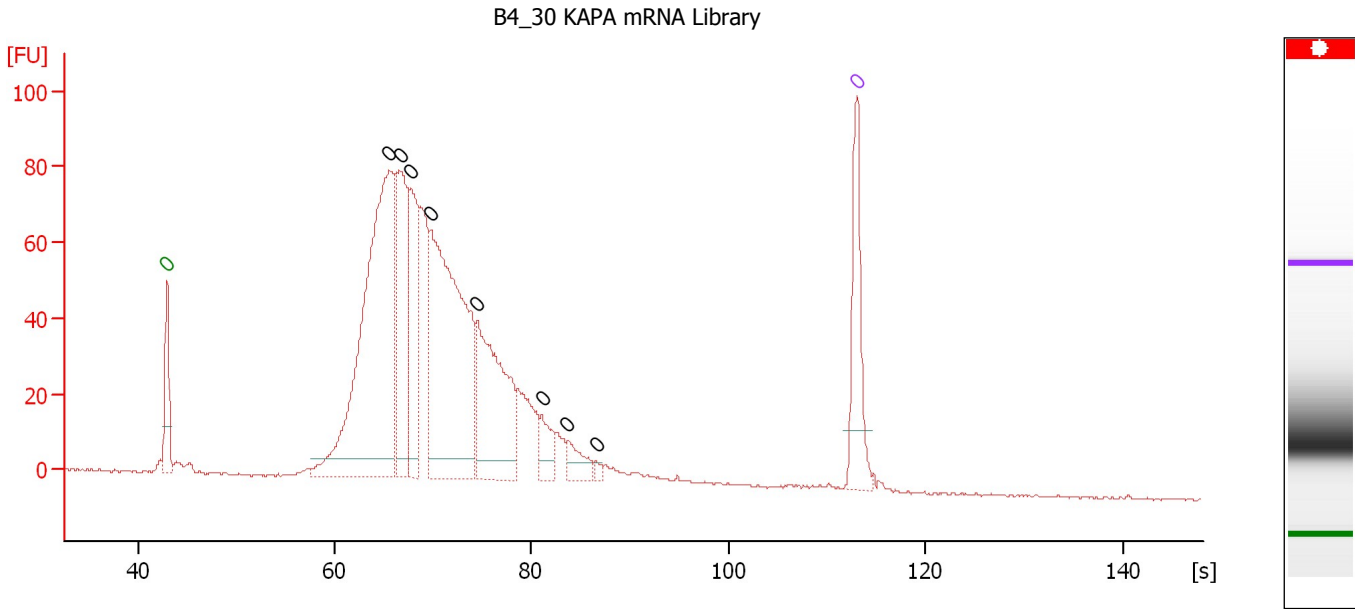
Peak table for sample 4 : D3_24 KAPA mRNA Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		42.30
2	0	0.00	0.0	Lower Marker	43.00
3	0	0.00	0.0		65.94
4	0	0.00	0.0		66.75
5	0	0.00	0.0		68.85
6	0	0.00	0.0		70.63
7	0	0.00	0.0		77.81
8	0	0.00	0.0		79.38
9	0	0.00	0.0		85.04
10	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:24:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : B4_30 KAPA mRNA Library

Number of peaks found: 8 Noise: 0.3

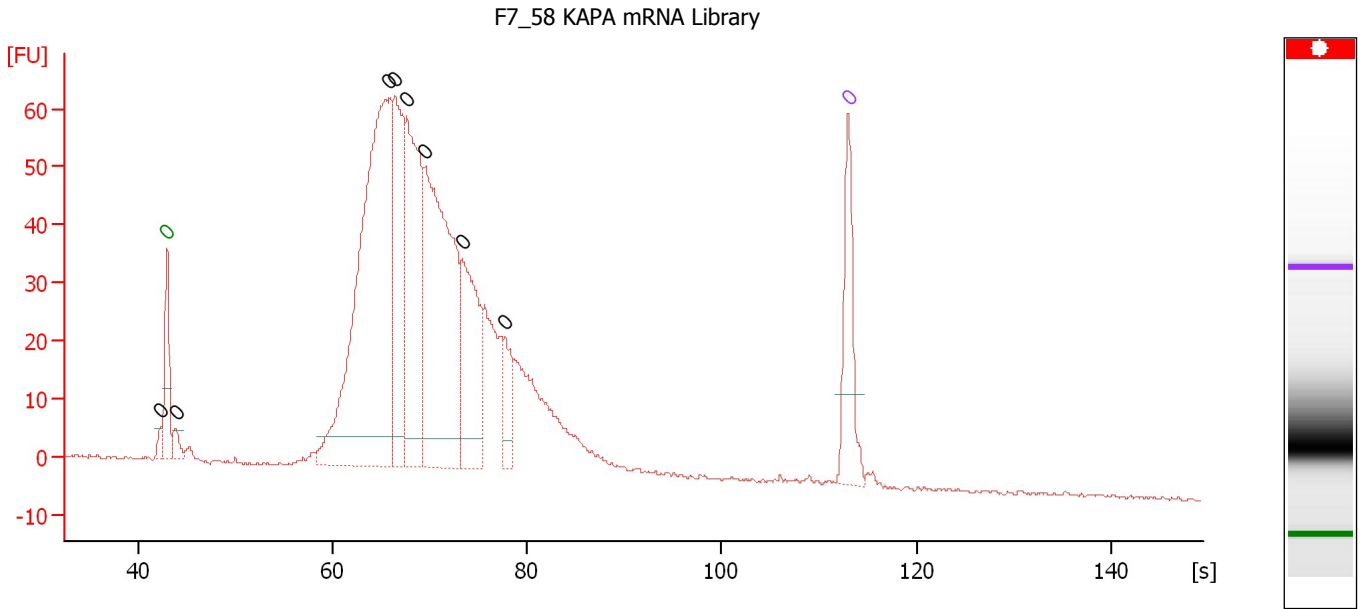
Peak table for sample 5 : B4_30 KAPA mRNA Library

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		65.50
3	0	0.00	0.0		66.70
4	0	0.00	0.0		67.68
5	0	0.00	0.0		69.75
6	0	0.00	0.0		74.43
7	0	0.00	0.0		81.02
8	0	0.00	0.0		83.64
9	0	0.00	0.0		86.53
10	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:24:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F7_58 KAPA mRNA Library

Number of peaks found: 8 Noise: 0.3

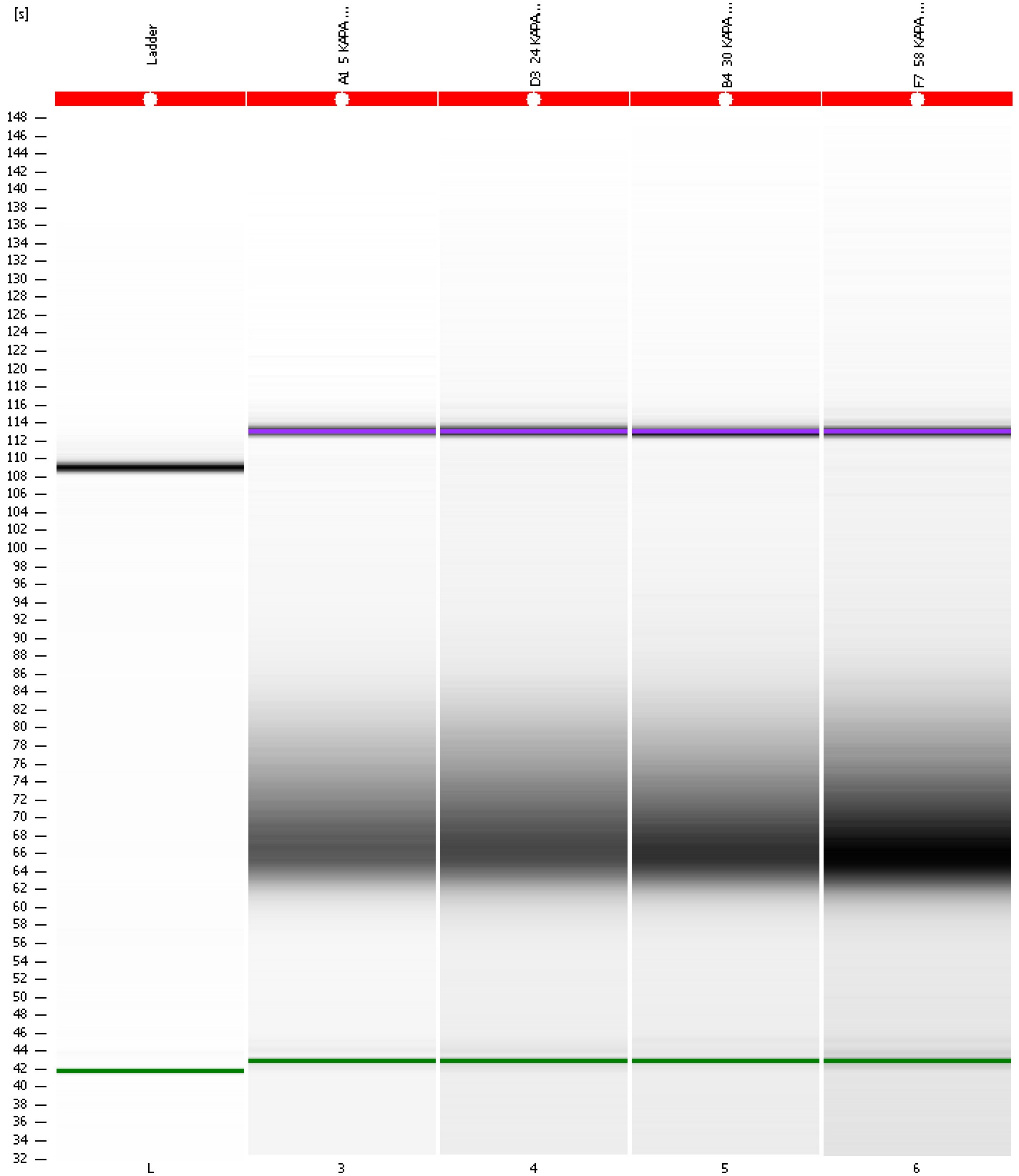
Peak table for sample 6 : F7_58 KAPA mRNA Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		42.34
2	0	0.00	0.0	Lower Marker	43.00
3	0	0.00	0.0		43.88
4	0	0.00	0.0		65.84
5	0	0.00	0.0		66.44
6	0	0.00	0.0		67.66
7	0	0.00	0.0		69.48
8	0	0.00	0.0		73.34
9	0	0.00	0.0		77.70
10	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
Modified: 10/31/2016 2:24:58 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ta\2016-10-31\2016-10-31_004_HiSeq661_KAPAmRNALibraries.xad

Created: 10/31/2016 12:41:18 PM
 Modified: 10/31/2016 2:24:58 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