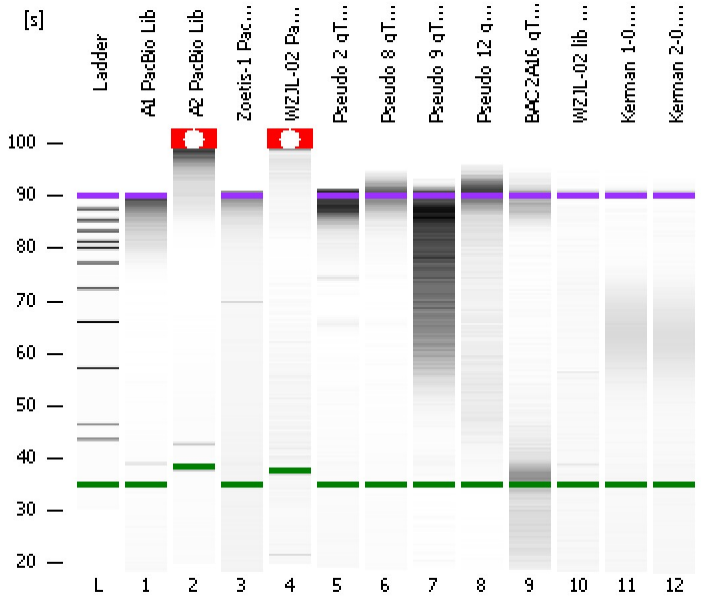
Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

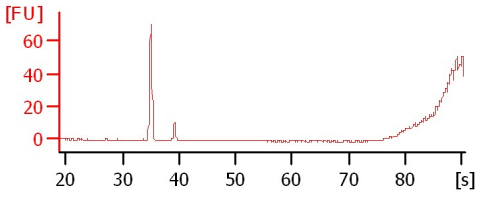
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 12000 Series II.xsy
Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

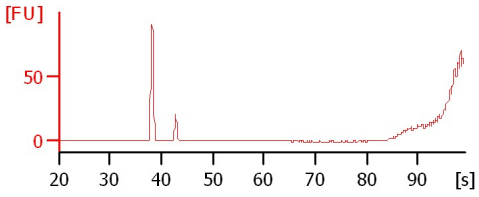
Chip Information:

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

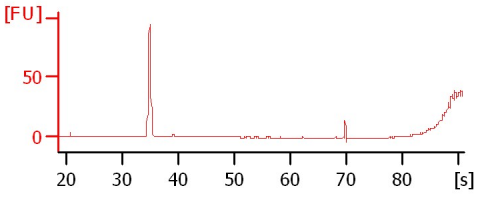
A1 PacBio Lib



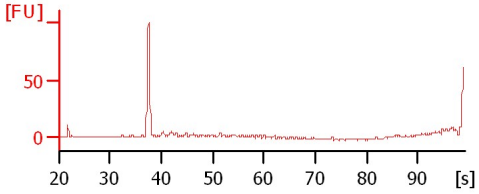
A2 PacBio Lib



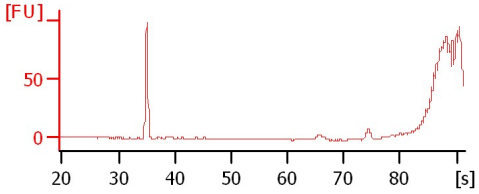
Zoetis-1 PacBio Lib



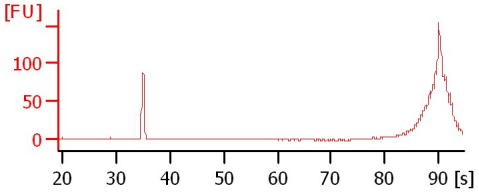
WZJL-02 PacBio Lib



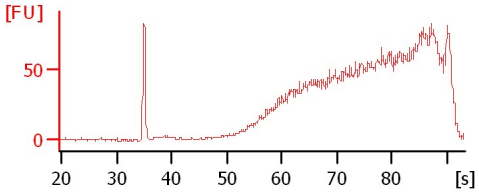
Pseudo 2 gT4500



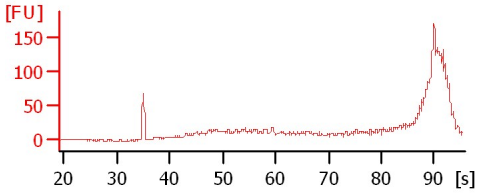
Pseudo 8 gT4500



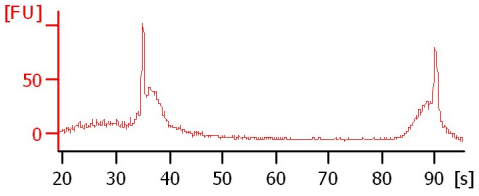
Pseudo 9 gT4500



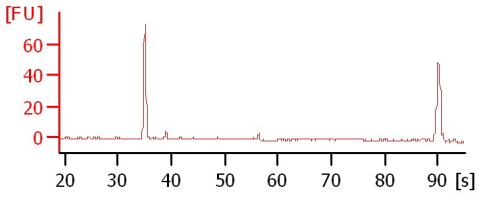
Pseudo 12 gT4500



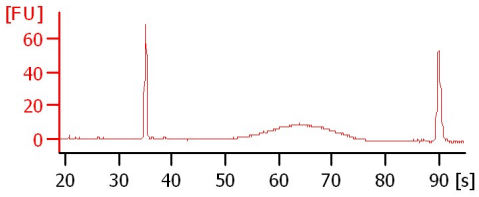
BAC 2A16 gT4000



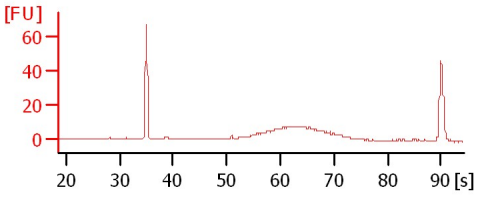
WZJL-02 lib from sup



Kerman 1-0.55x lig



Kerman 2-0.55x lig



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A1 PacBio Lib		☐	✔			
A2 PacBio Lib		☐	✔			
Zoetis-1 PacBio Lib		☐	✔			
WZJL-02 PacBio Lib		☐	✔			
Pseudo 2 gT4500		☐	✔			
Pseudo 8 gT4500		☐	✔			
Pseudo 9 gT4500		☐	✔			
Pseudo 12 gT4500		☐	✔			
BAC 2A16 gT4000		☐	✔			
WZJL-02 lib from sup		☐	✔			
Kerman 1-0.55x lig		☐	✔			
Kerman 2-0.55x lig		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: DNA 12000 Created: 11/18/2014 12:07:38 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad Modified: 11/18/2014 12:42:45 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 98.95
Ladder Concentration [ng/µl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/µl] : 8.3
Upper Marker Concentration [ng/µl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 98.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

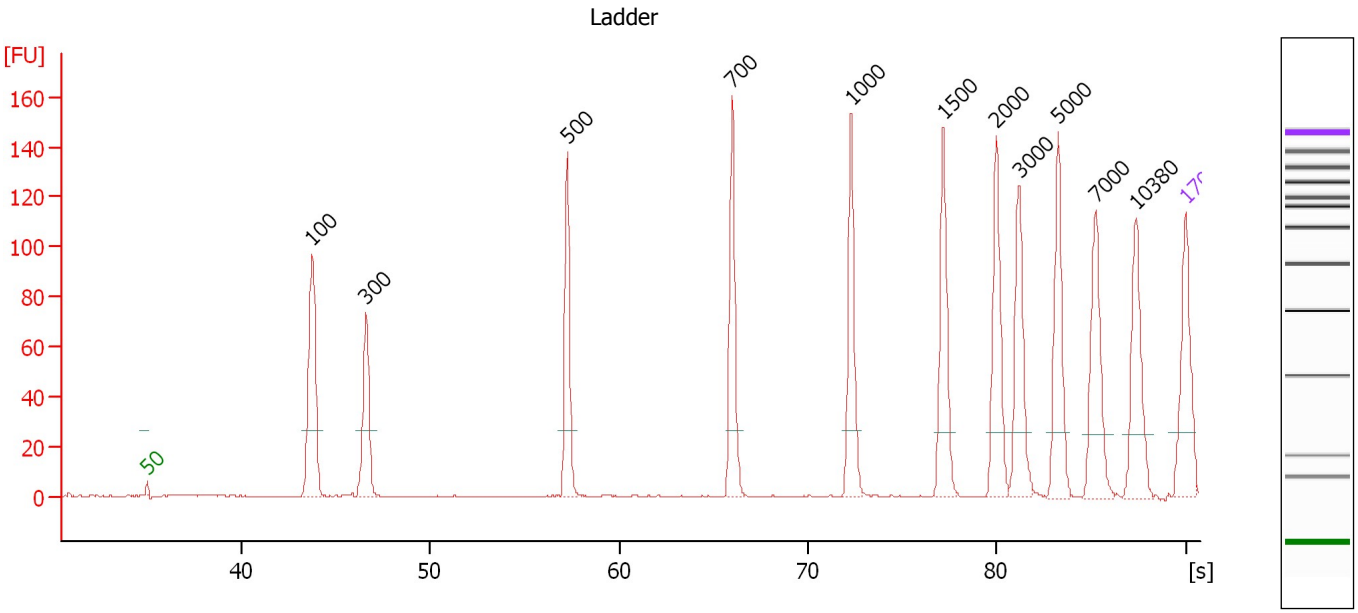
Ladder

Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary



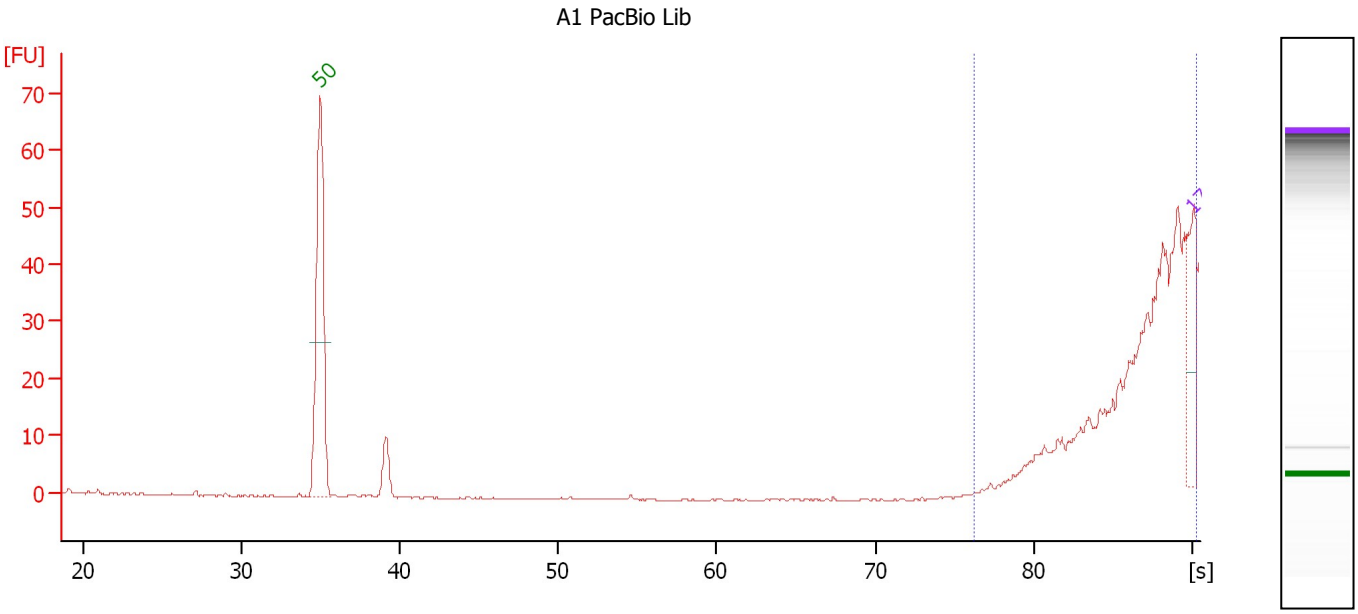
Peak table for Ladder

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1		50	8.30	251.5	Lower Marker
2		100	4.00	60.6	Ladder Peak
3		300	4.00	20.2	Ladder Peak
4		500	4.00	12.1	Ladder Peak
5		700	4.00	8.7	Ladder Peak
6		1,000	4.00	6.1	Ladder Peak
7		1,500	4.00	4.0	Ladder Peak
8		2,000	4.00	3.0	Ladder Peak
9		3,000	4.00	2.0	Ladder Peak
10		5,000	4.00	1.2	Ladder Peak
11		7,000	4.00	0.9	Ladder Peak
12		10,380	4.00	0.6	Ladder Peak
13		17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A1 PacBio Lib

Number of peaks found:	0	Area 1:	14.1

Peak table for sample 1 : A1 PacBio Lib

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

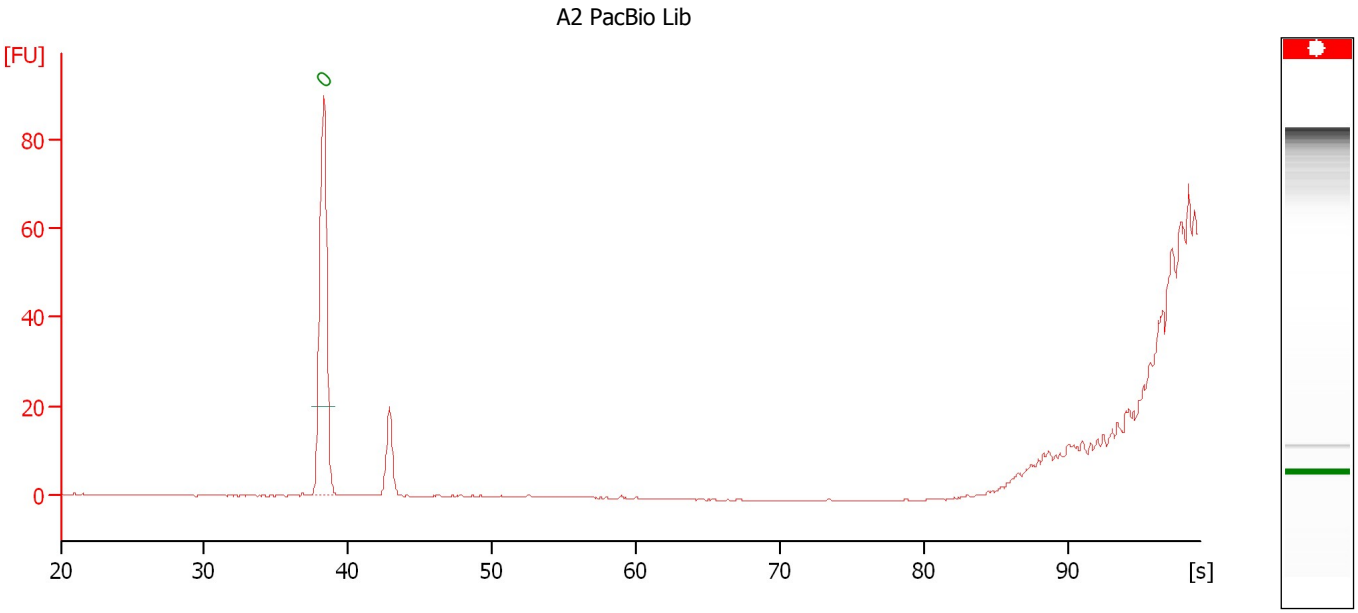
Region table for sample 1 : A1 PacBio Lib

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	% of Total	Size distribution in CV [%]	Color
1,408	17,800	15,359	1.04	14.1	164	10.2	

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : A2 PacBio Lib

Number of peaks found: 0

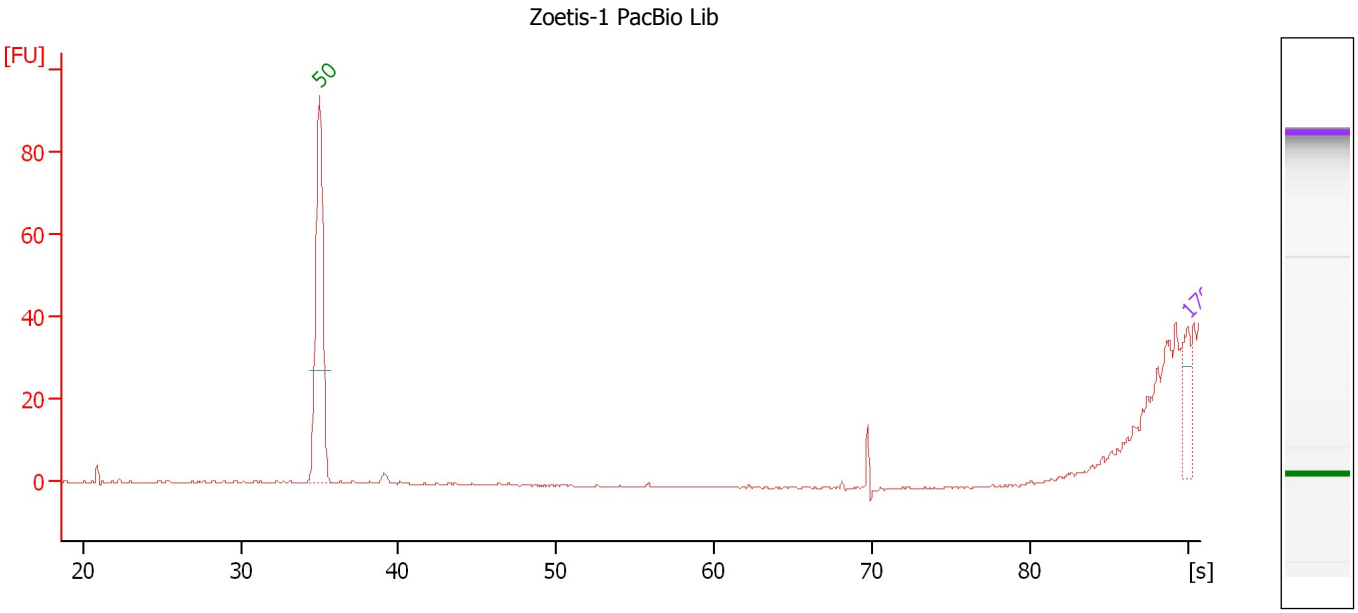
Peak table for sample 2 : A2 PacBio Lib

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Zoetis-1 PacBio Lib

Number of peaks found: 0

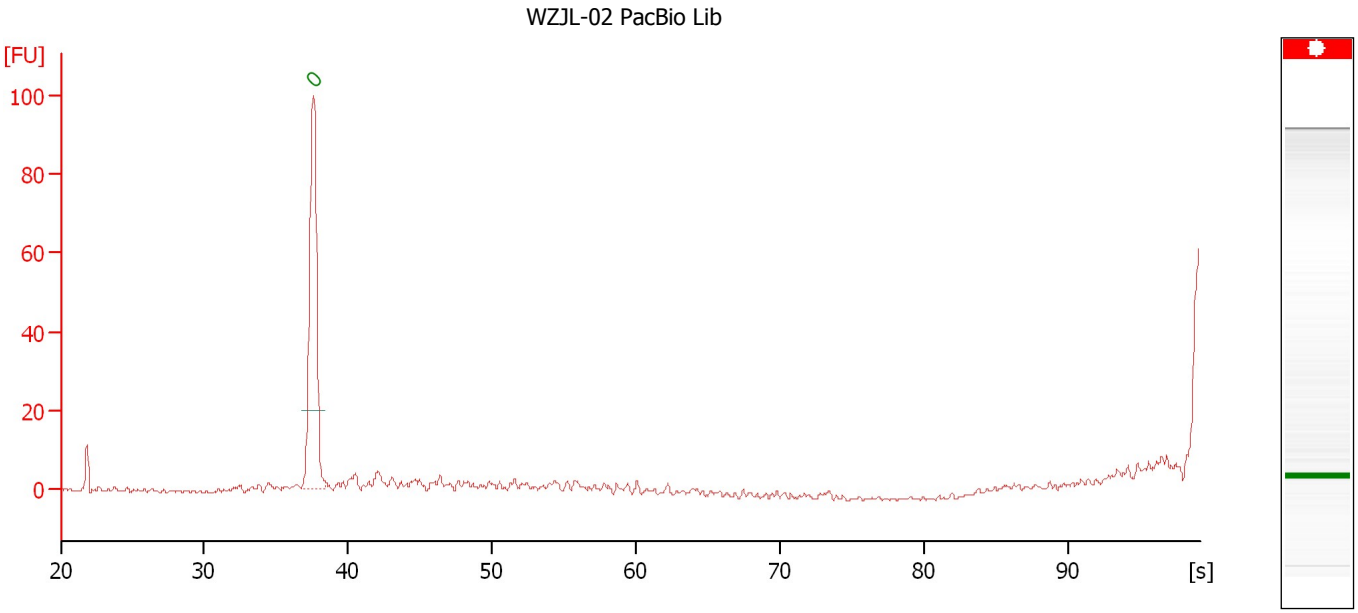
Peak table for sample 3 : Zoetis-1 PacBio Lib

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : WZJL-02 PacBio Lib

Number of peaks found: 0

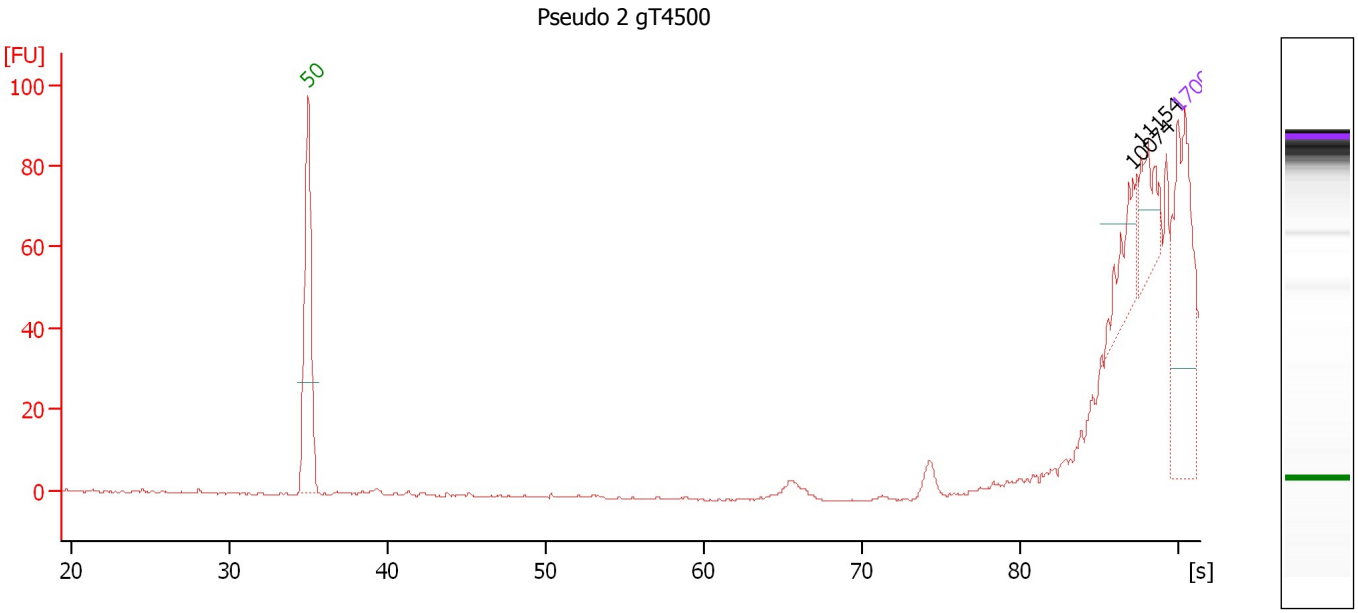
Peak table for sample 4 : WZJL-02 PacBio Lib

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Pseudo 2 gT4500

Number of peaks found: 2

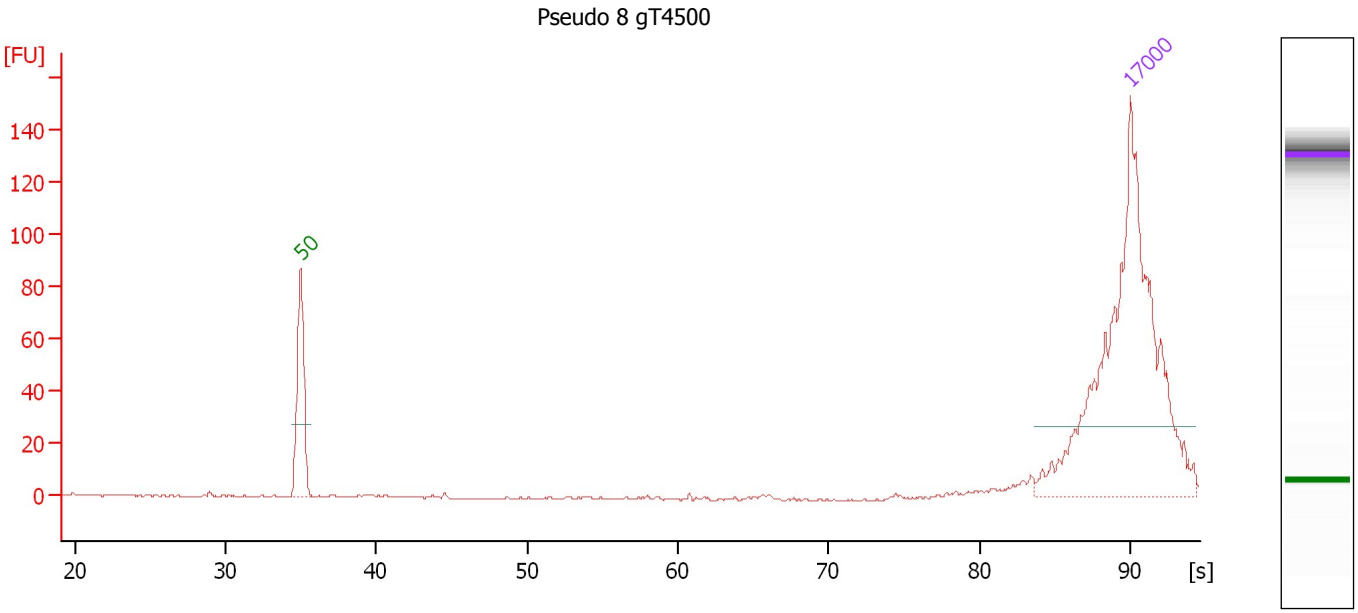
Peak table for sample 5 : Pseudo 2 gT4500

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,074	1.36	0.2	
3	11,154	1.32	0.2	
4	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Pseudo 8 gT4500

Number of peaks found: 0

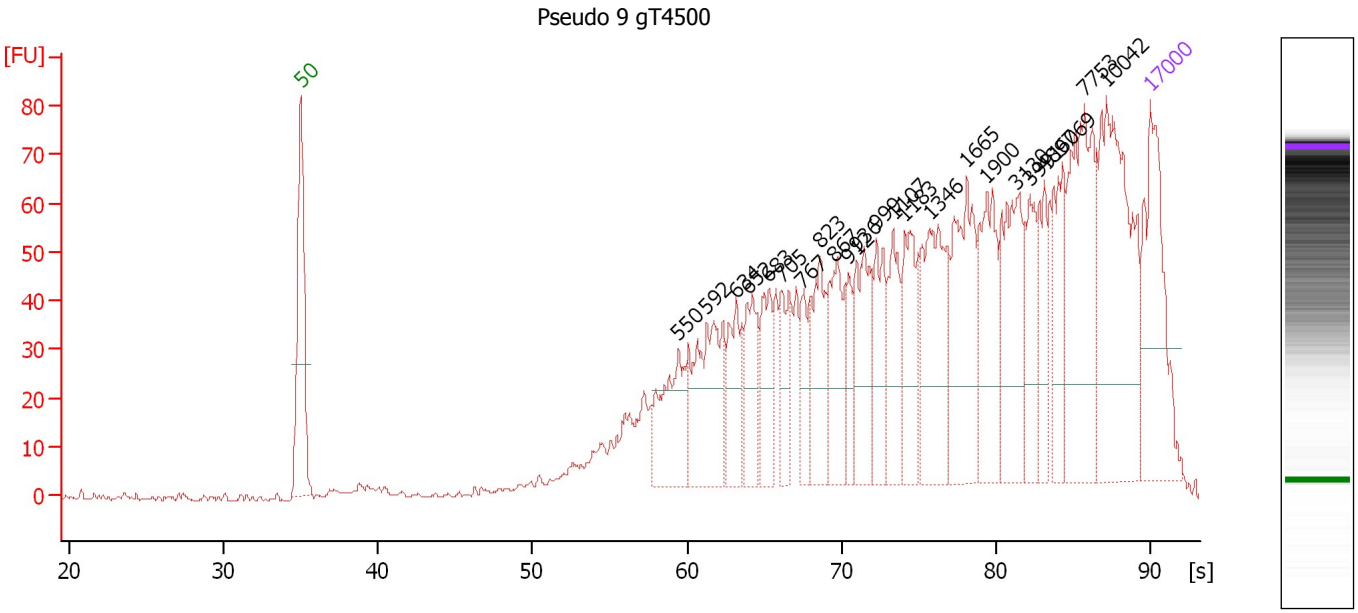
Peak table for sample 6 : Pseudo 8 gT4500

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Pseudo 9 gT4500

Number of peaks found: 23

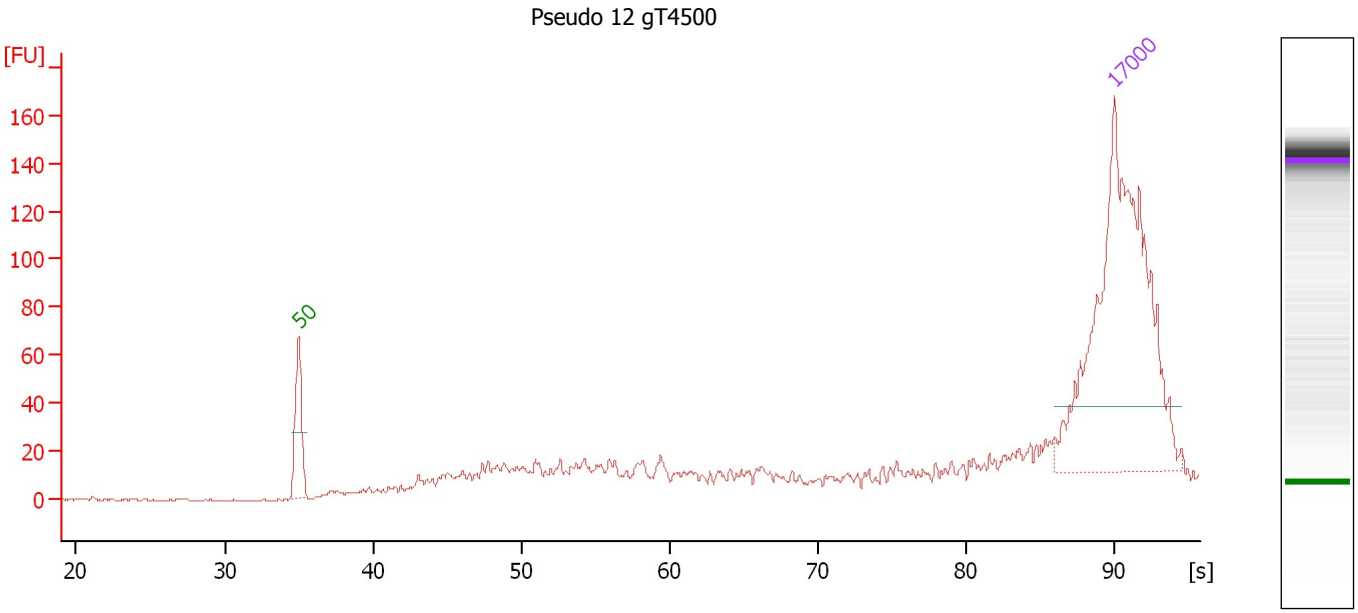
Peak table for sample 7 : Pseudo 9 gT4500

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	550	2.47	6.8	
3	592	3.47	8.9	
4	634	1.81	4.3	
5	652	1.72	4.0	
6	683	1.72	3.8	
7	705	1.12	2.4	
8	767	1.15	2.3	
9	823	2.14	3.9	
10	867	2.28	4.0	
11	912	0.98	1.6	
12	936	2.37	3.8	
13	999	1.82	2.8	
14	1,107	1.90	2.6	
15	1,183	2.50	3.2	
16	1,346	3.81	4.3	
17	1,665	4.42	4.0	
18	1,900	3.31	2.6	
19	3,130	3.55	1.7	
20	3,991	1.96	0.7	
21	4,897	1.45	0.4	
22	6,069	2.01	0.5	
23	7,753	5.43	1.1	
24	10,042	7.27	1.1	
25	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Pseudo 12 gT4500

Number of peaks found: 0

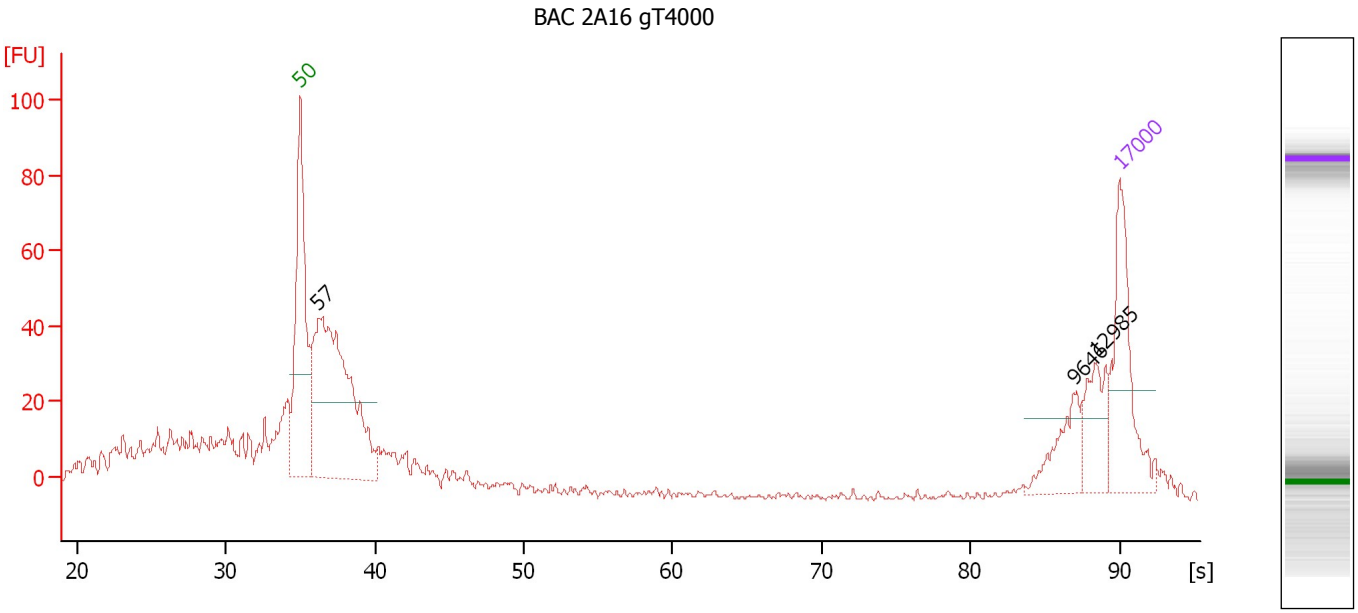
Peak table for sample 8 : Pseudo 12 gT4500

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : BAC 2A16 gT4000

Number of peaks found: 3

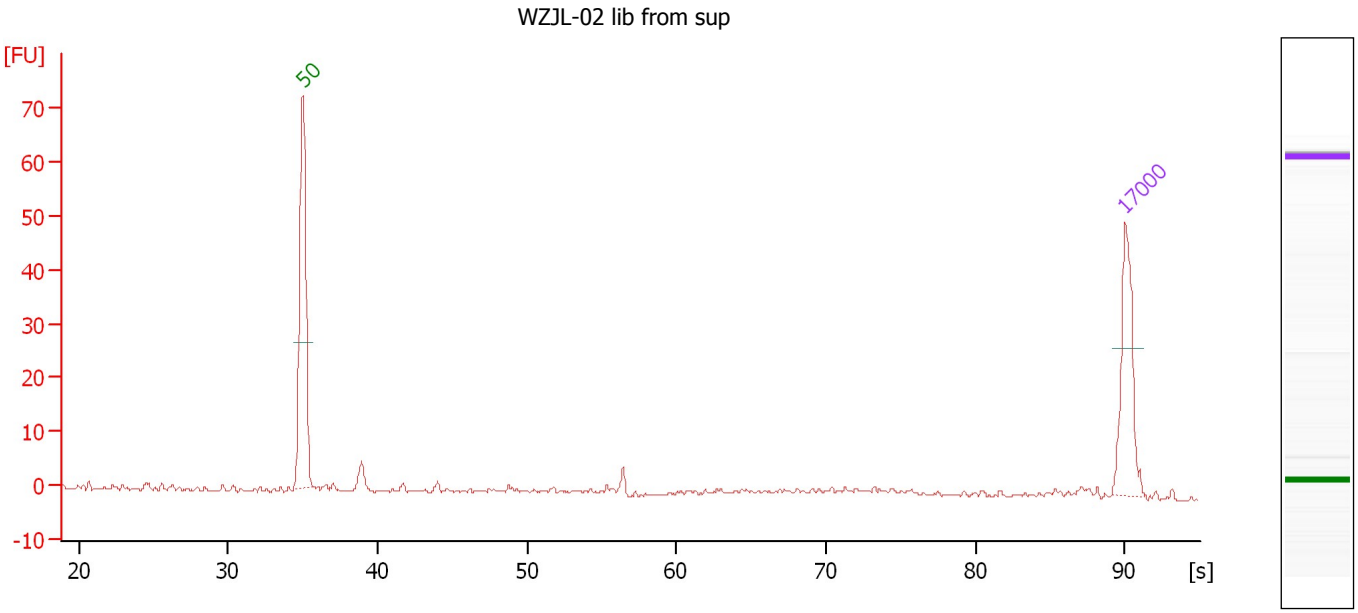
Peak table for sample 9 : BAC 2A16 gT4000

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2		57	9.13	243.1	
3		9,646	2.07	0.3	
4		12,985	2.21	0.3	
5	▶	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : WZJL-02 lib from sup

Number of peaks found: 0

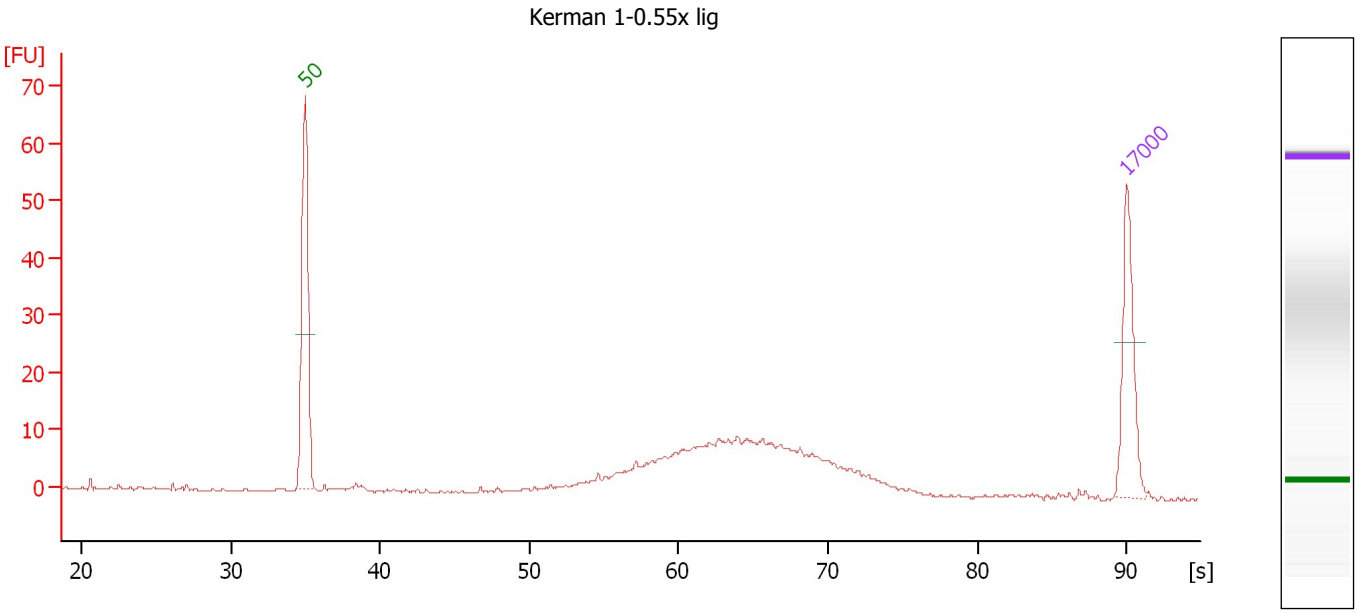
Peak table for sample 10 : WZJL-02 lib from sup

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Kerman 1-0.55x lig

Number of peaks found: 0

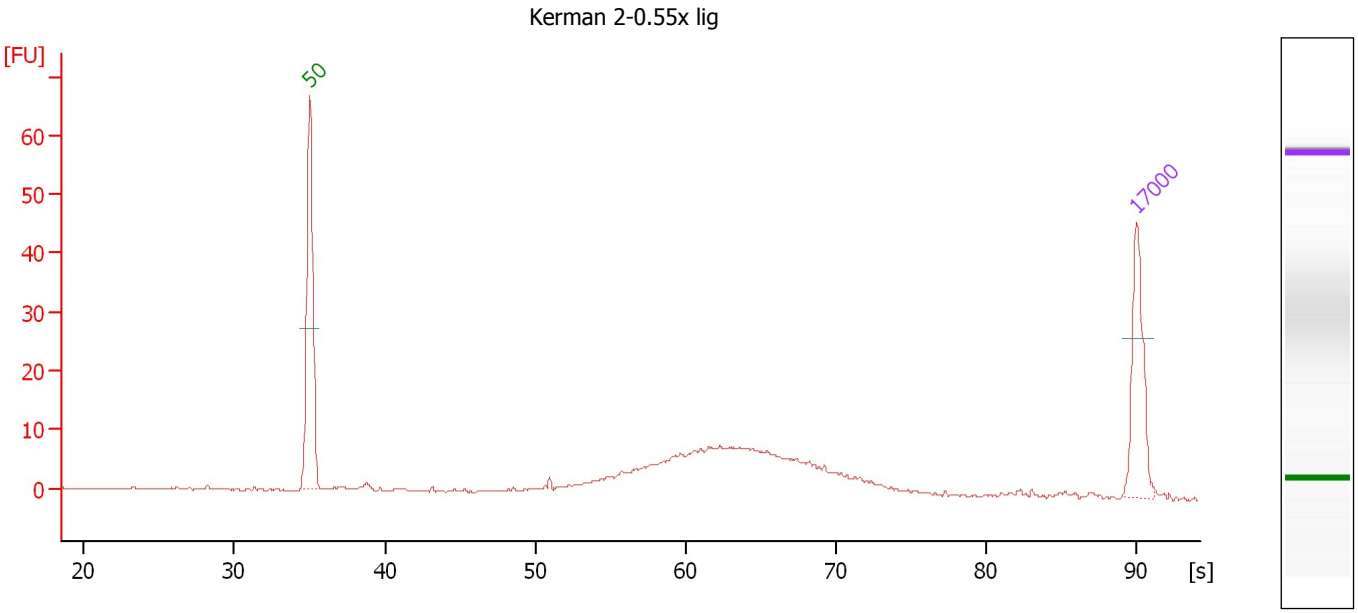
Peak table for sample 11 : Kerman 1-0.55x lig

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Kerman 2-0.55x lig

Number of peaks found: 0

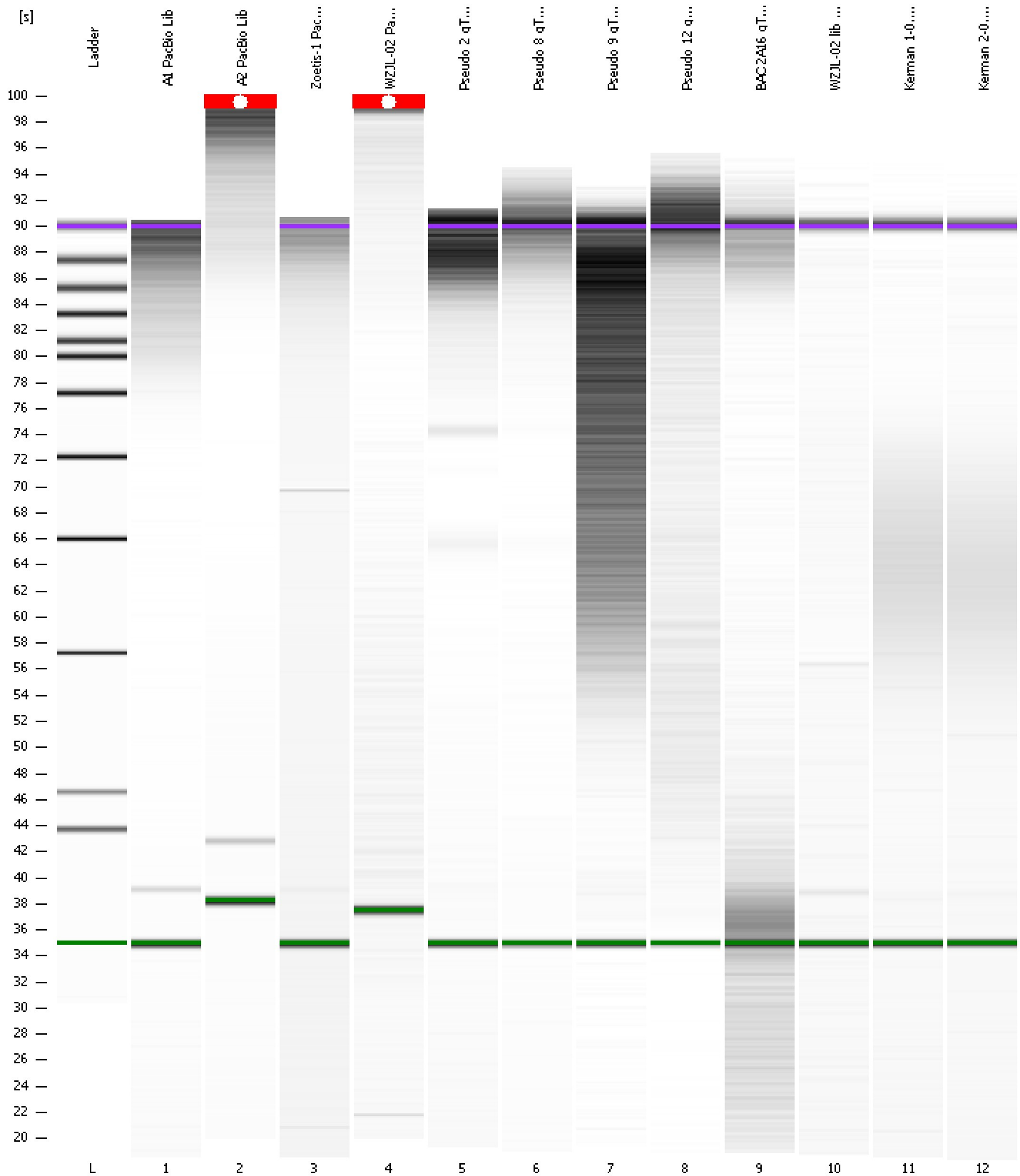
Peak table for sample 12 : Kerman 2-0.55x lig

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad

Created: 11/18/2014 12:07:38 PM
Modified: 11/18/2014 12:42:45 PM

Gel Image



Assay Class: DNA 12000 Created: 11/18/2014 12:07:38 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad Modified: 11/18/2014 12:42:45 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		11/18/2014 12:42:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-11-18\2014-11-18_003.xad)		Instrument	Run		11/18/2014 12:07:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/18/2014 12:07:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/18/2014 12:07:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/18/2014 12:07:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/18/2014 12:07:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/18/2014 12:07:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/18/2014 12:07:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1