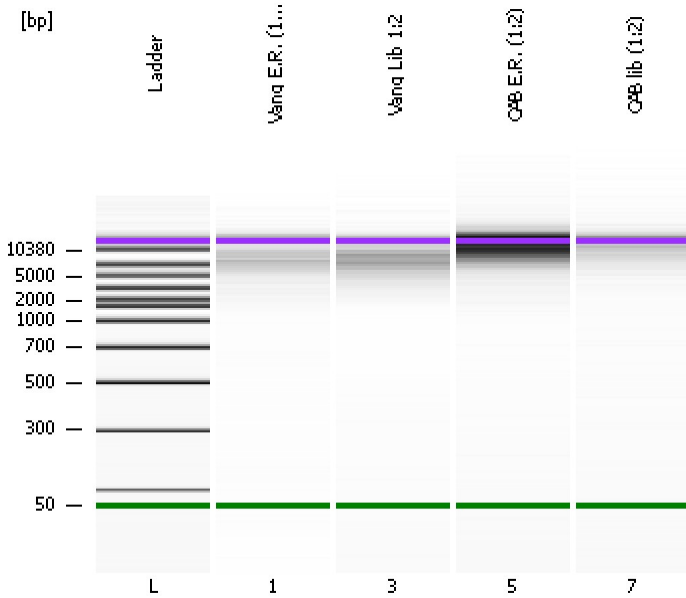


Assay Class: DNA 12000
Data Path: C:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
Modified: 9/25/2013 10:19:27 AM

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

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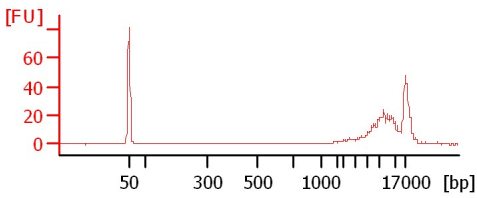
Chip Information:

Chip Lot #:

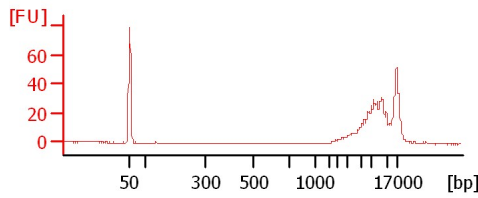
Reagent Kit Lot #:

Chip Comments:

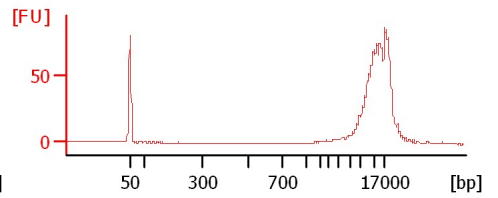
Vang E.R. (1:2, loaded 0.5ul)



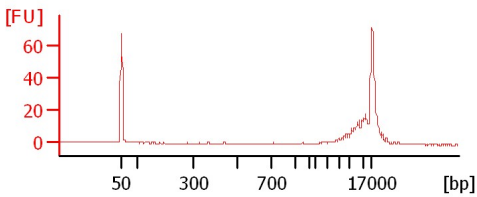
Vang Lib 1:2



CAB E.R. (1:2)



CAB lib (1:2)



Assay Class: DNA 12000
 Data Path: C:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Vang E.R. (1:2, loaded 0.5ul)		<input type="checkbox"/>				
Vang Lib 1:2		<input type="checkbox"/>				
CAB E.R. (1:2)		<input type="checkbox"/>				
CAB lib (1:2)		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 12000
 Data Path: C:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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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

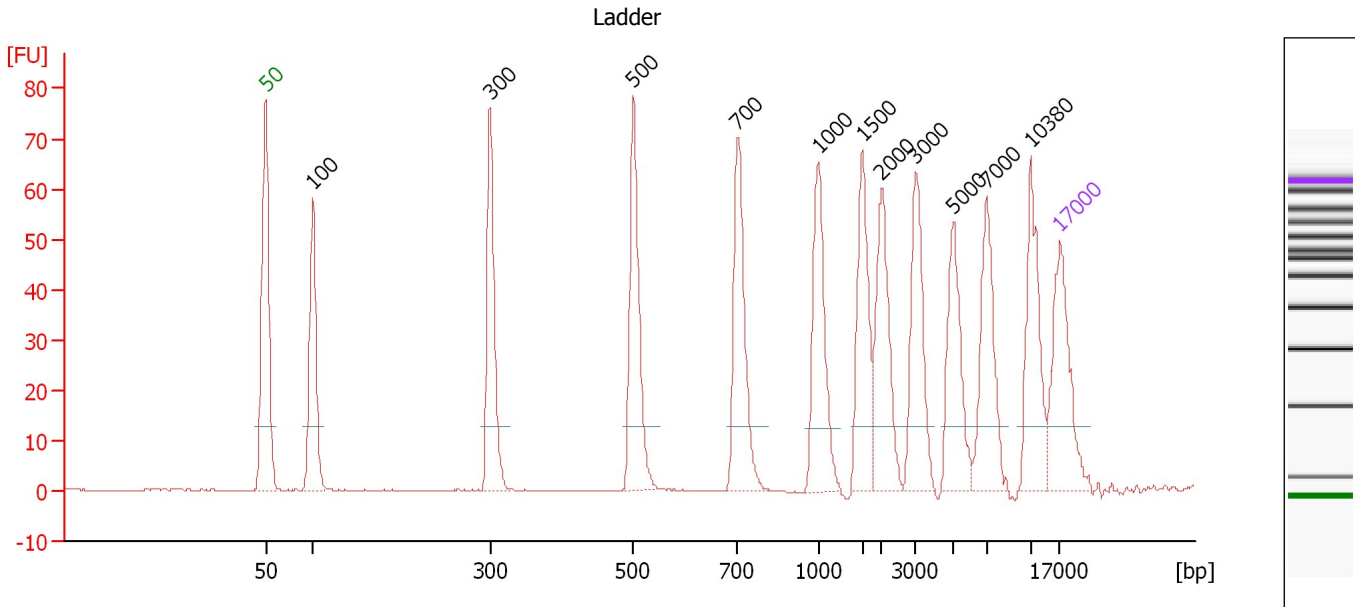
Ladder

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:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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Electropherogram Summary



Peak table for Ladder

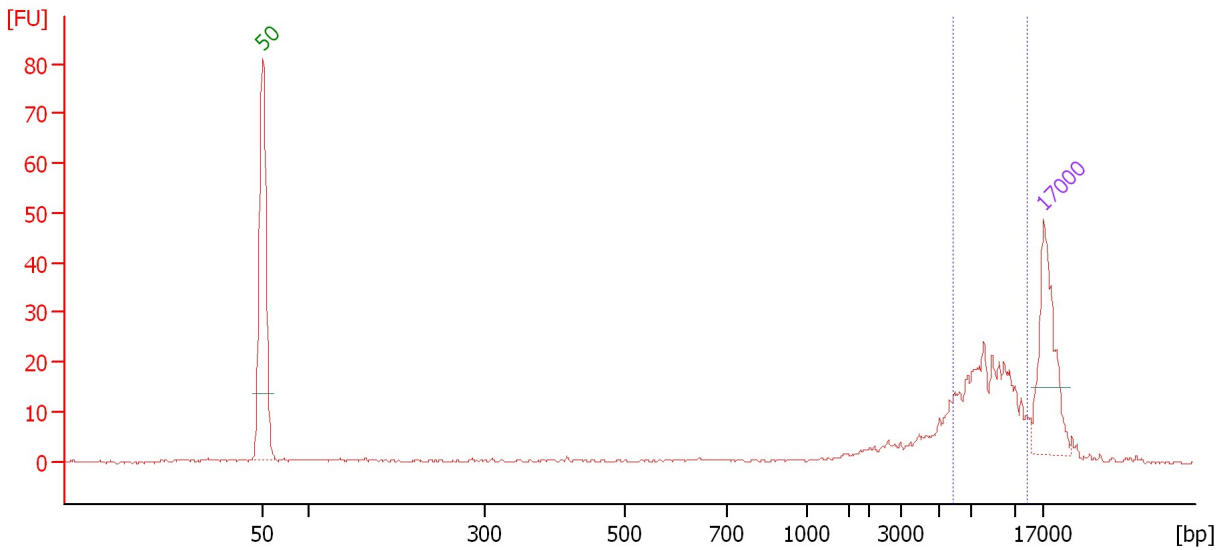
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	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:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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Electropherogram Summary Continued ...

Vang E.R. (1:2, loaded 0.5ul)



Overall Results for sample 1 : Vang E.R. (1:2, loaded 0.5ul)

Number of peaks found: 0 Area 1: 84.4

Peak table for sample 1 : Vang E.R. (1:2, loaded 0.5ul)

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 : Vang E.R. (1:2, loaded 0.5ul)

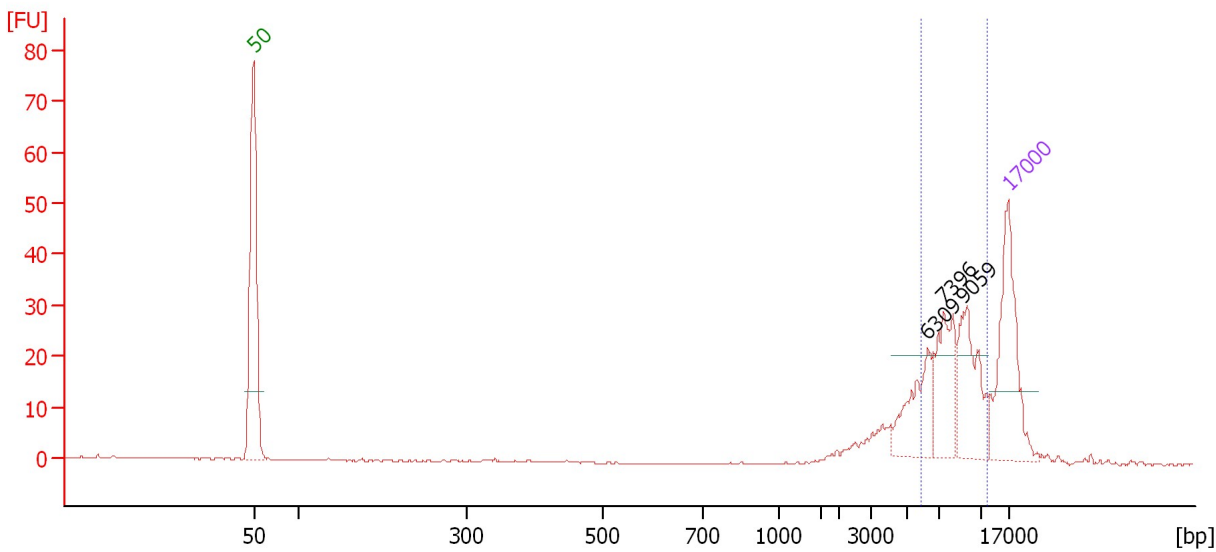
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
5,814	13,042	8,418	6.46	84.4	19.6	61

Assay Class: DNA 12000
 Data Path: C:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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Electropherogram Summary Continued ...

Vang Lib 1:2



Overall Results for sample 3 : Vang Lib 1:2

Number of peaks found: 3 Area 1: 106.9

Peak table for sample 3 : Vang Lib 1:2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	6,309	2.43	0.6	
3	7,396	2.49	0.5	
4	9,059	3.09	0.5	
5	17,000	4.20	0.4	Upper Marker

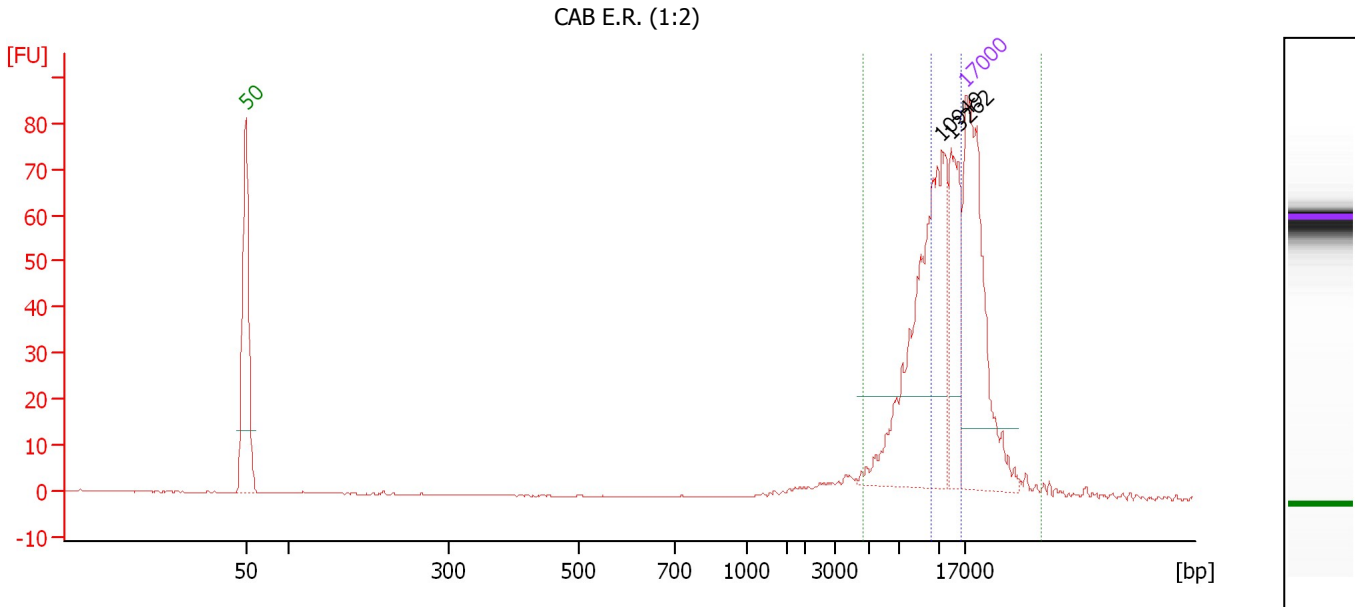
Region table for sample 3 : Vang Lib 1:2

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
5,919	12,068	8,273	7.04	106.9	17.3	69

Assay Class: DNA 12000
 Data Path: C:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : CAB E.R. (1:2)

Number of peaks found: 2 Area 2: 266.9
 Area 1: 142.8

Peak table for sample 5 : CAB E.R. (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,949	5.47	0.8	
3	13,262	1.61	0.2	
4	17,000	4.20	0.4	Upper Marker

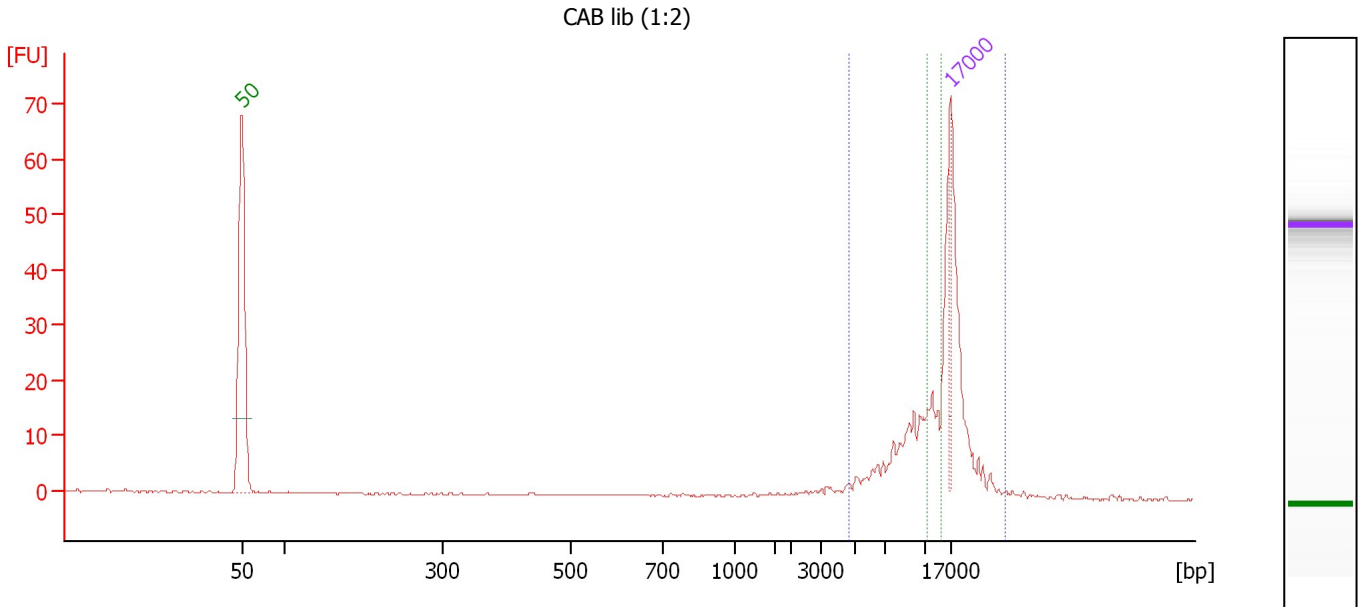
Region table for sample 5 : CAB E.R. (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
4,635	35,428	13,885	7.68	266.9	40.1	94
9,739	15,646	12,092	4.06	142.8	15.0	50

Assay Class: DNA 12000
 Data Path: C:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : CAB lib (1:2)

Number of peaks found: 0 Area 2: 14.2
 Area 1: 127.0

Peak table for sample 7 : CAB lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	
2	50	8.30	251.5	Lower Marker
3	17,000	4.20	0.4	Upper Marker

Region table for sample 7 : CAB lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
4,601	30,767	14,778	52.17	127.0	34.3	95
11,264	14,427	12,612	5.88	14.2	7.6	11

Assay Class: DNA 12000
Data Path: C:\...d Settings\Bioanalyzer\2013-09-25\2013-9-25-PacBio-Libs.xad

Created: 9/25/2013 9:52:45 AM
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Gel Image

