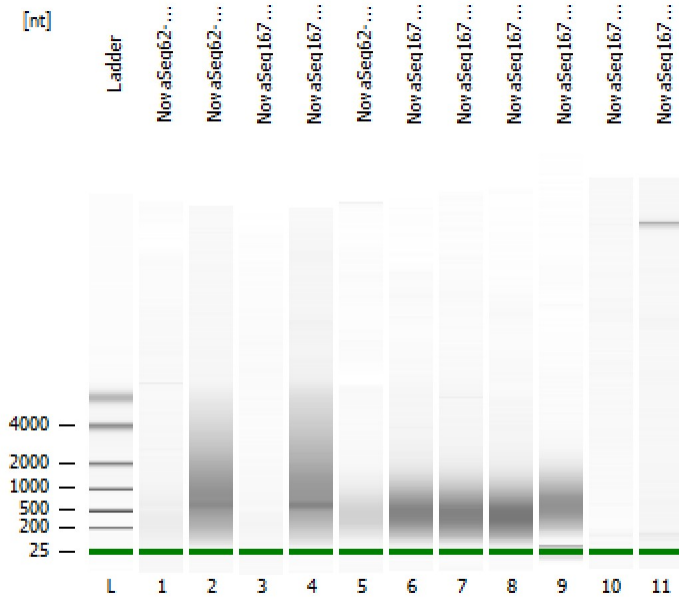


Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico  
Version: 2.6  
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

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

**NovaSeq62-42 Gold BC DNA\_Soni before BC**  
Yihui's DNA as control

**NovaSeq62-42 Gold BC DNA\_NO Soni befo...**  
Yihui's DNA as control

**NovaSeq167-1 Gold BC DNA\_Soni before BC**

**NovaSeq167-1 Gold BC DNA\_NO Soni befo...**

**NovaSeq62-42 BC DNA\_Lightning**  
Yihui's DNA as control

**NovaSeq167-1 Lightning BC DNA\_Soni\_cl...**

**NovaSeq167-2 Lightning BC DNA\_Soni\_cl...**

**NovaSeq167-3 Lightning BC DNA\_Soni\_cl...**

**NovaSeq167-14 Lightning BC DNA\_Soni\_c...**

**NovaSeq167-2 Lightning BC DNA\_Soni\_NO...**

**NovaSeq167-14 Lightning BC DNA\_Soni\_N...**

Assay Class: mRNA Pico  
 Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
 Modified: 5/26/2020 5:33:55 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq62-42 Gold BC DNA_Soni before BC	Yihui's DNA as control	✓		
NovaSeq62-42 Gold BC DNA_NO Soni before BC	Yihui's DNA as control	✓		
NovaSeq167-1 Gold BC DNA_Soni before BC		✓		
NovaSeq167-1 Gold BC DNA_NO Soni before BC		✓		
NovaSeq62-42 BC DNA_Lightning	Yihui's DNA as control	✓		
NovaSeq167-1 Lightning BC DNA_Soni_cleaned before BC		✓		
NovaSeq167-2 Lightning BC DNA_Soni_cleaned before BC		✓		
NovaSeq167-3 Lightning BC DNA_Soni_cleaned before BC		✓		
NovaSeq167-14 Lightning BC DNA_Soni_cleaned before BC		✓		
NovaSeq167-2 Lightning BC DNA_Soni_NOT cleaned before BC		✓		
NovaSeq167-14 Lightning BC DNA_Soni_NOT cleaned before BC		✓		
Ladder		✓		

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: mRNA Pico  
 Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
 Modified: 5/26/2020 5:33:55 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
 Minimum Visible Range [s] : 14  
 Maximum Visible Range [s] : 85  
 Start Analysis Time Range [s] : 15  
 End Analysis Time Range [s] : 84  
 Ladder Concentration [pg/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 0  
 Used Lower Marker for Quantitation  
 Standard Curve Fit is Logarithmic  
 Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 15  
 Integration End Time [s] : 84  
 Slope Threshold : 0.2  
 Height Threshold [FU] : 0.5  
 Area Threshold : 0.1  
 Width Threshold [s] : 0.2  
 Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
 Polynomial Order : 4

**Ladder**

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary**

Ladder



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq62-42 Gold BC DNA\_Soni before BC [ Yihui's DNA as control ]



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq62-42 Gold BC DNA\_NO Soni before BC [ Yihui's DNA as control ]



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-1 Gold BC DNA\_Soni before BC



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-1 Gold BC DNA\_NO Soni before BC





Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq62-42 BC DNA\_Lightning [ Yihui's DNA as control ]



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-1 Lightning BC DNA\_Soni\_cleaned before BC



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-2 Lightning BC DNA\_Soni\_cleaned before BC



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-3 Lightning BC DNA\_Soni\_cleaned before BC



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-14 Lightning BC DNA\_Soni\_cleaned before BC



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-2 Lightning BC DNA\_Soni\_NOT cleaned before BC



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

**Electropherogram Summary Continued ...**

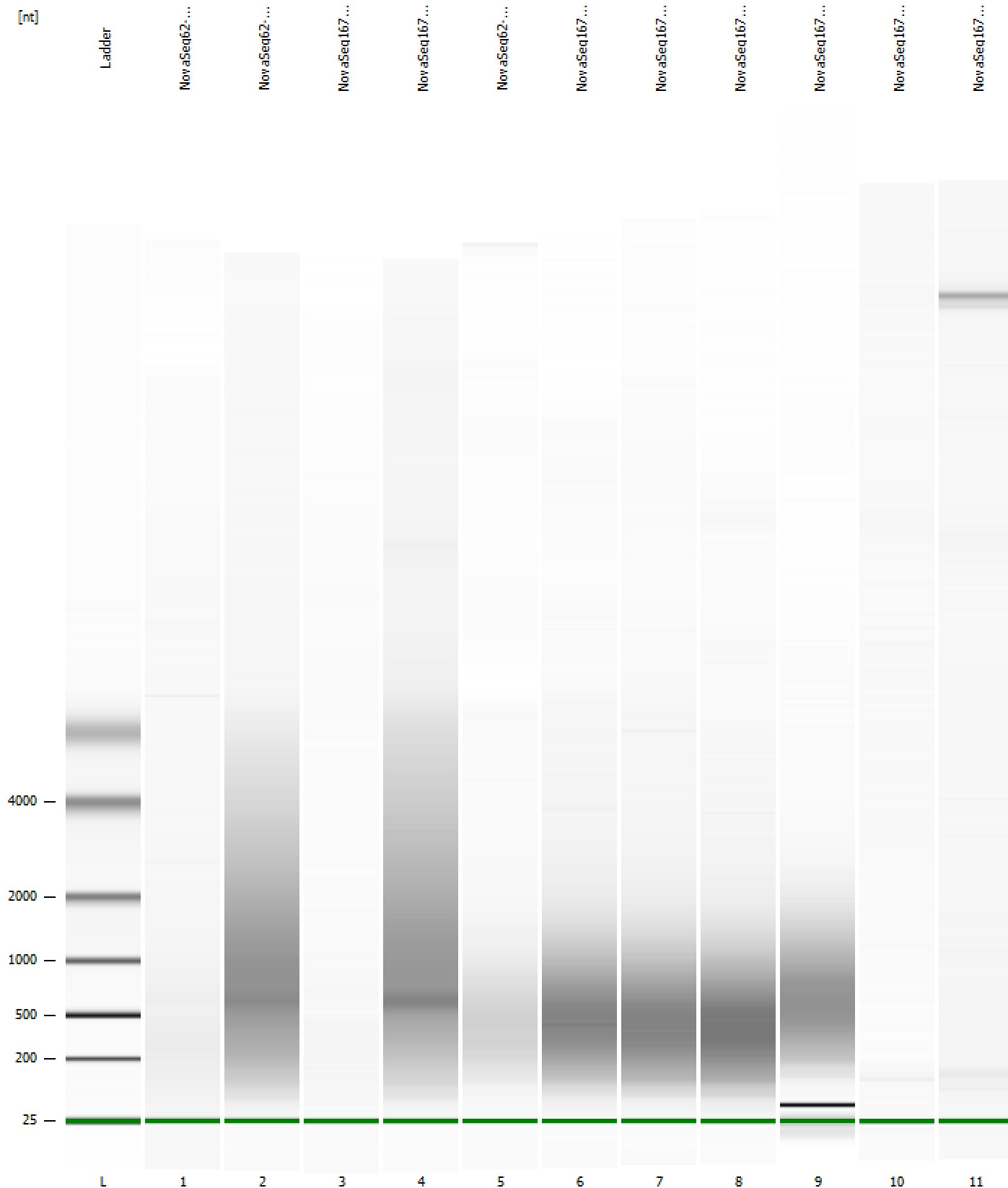
NovaSeq167-14 Lightning BC DNA\_Soni\_NOT cleaned before BC



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
Modified: 5/26/2020 5:33:55 PM

Gel Image





Assay Class: mRNA Pico  
 Data Path: Z:\XADs\2020-05-26\Bioanalyzer1\_mRNA Pico\_2020-05-26\_001.xad

Created: 5/26/2020 5:00:47 PM  
 Modified: 5/26/2020 5:33:55 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		5/26/2020 5:26:39 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-05-26\Bioanalyze r1_mRNA Pico_2020-05-26_001.xad)		Instrument	Run		5/26/2020 5:00:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/26/2020 5:00:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/26/2020 5:00:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/26/2020 5:00:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/26/2020 5:00:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/26/2020 5:00:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/26/2020 5:00:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB