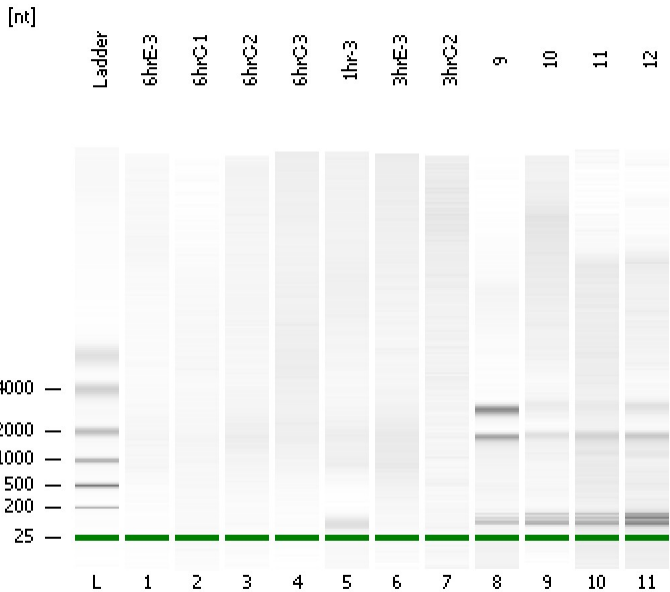


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

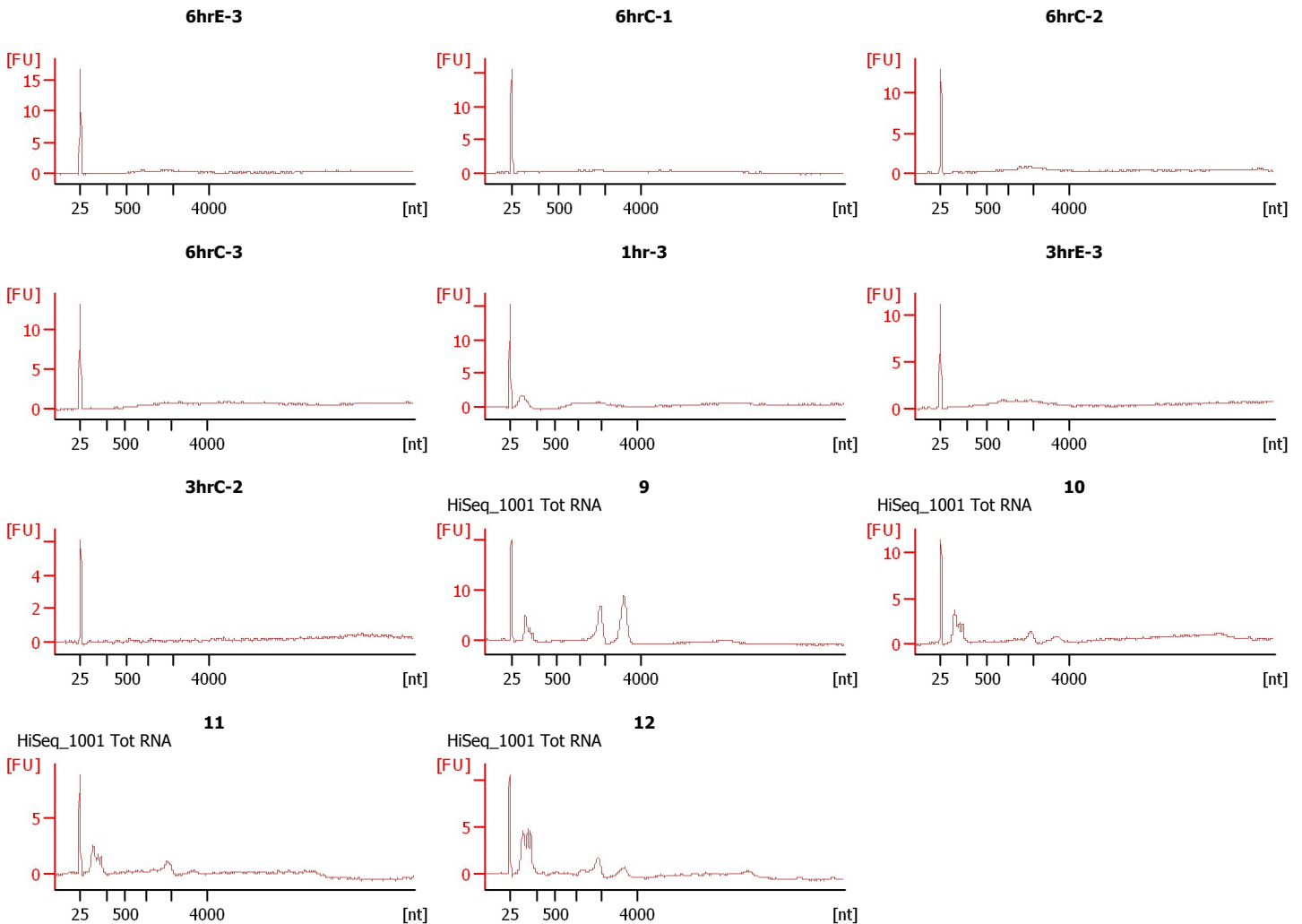
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

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

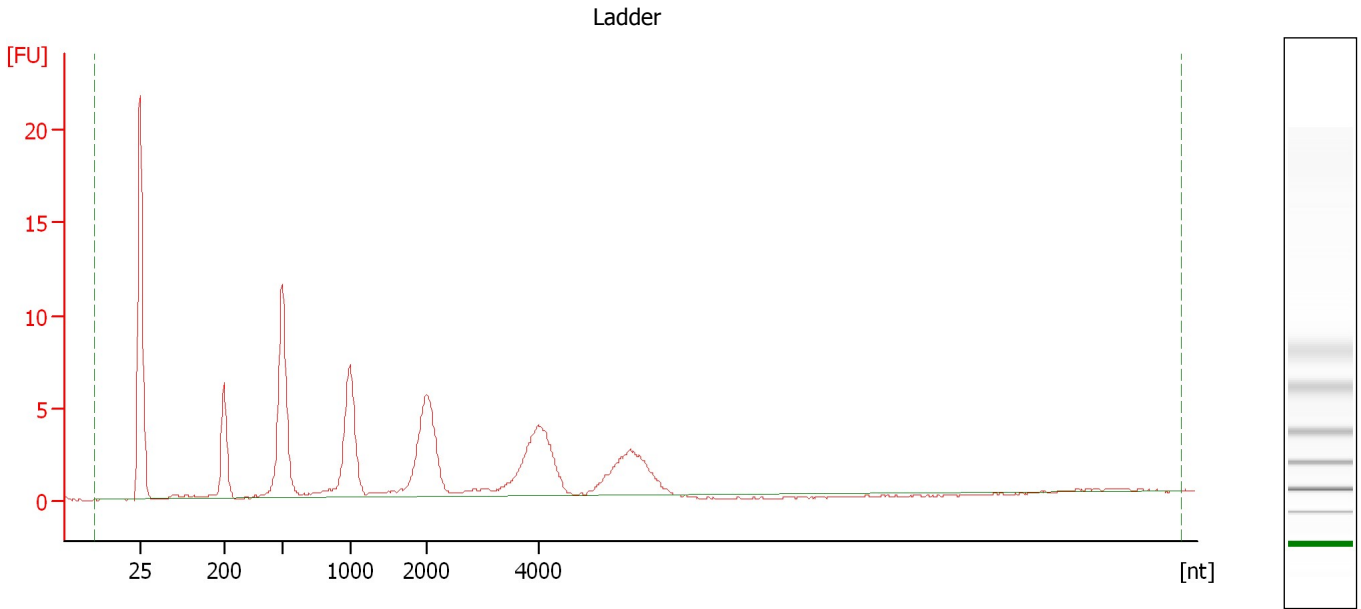
Sample Name	Sample Comment	Status	Result Label	Result Color
6hrE-3		✓		
6hrC-1		✓		
6hrC-2		✓		
6hrC-3		✓		
1hr-3		✓		
3hrE-3		✓		
3hrC-2		✓		
9	HiSeq_1001 Tot RNA	✓		
10	HiSeq_1001 Tot RNA	✓		
11	HiSeq_1001 Tot RNA	✓		
12	HiSeq_1001 Tot RNA	✓		
Ladder		✓		

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

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary**



**Overall Results for Ladder**

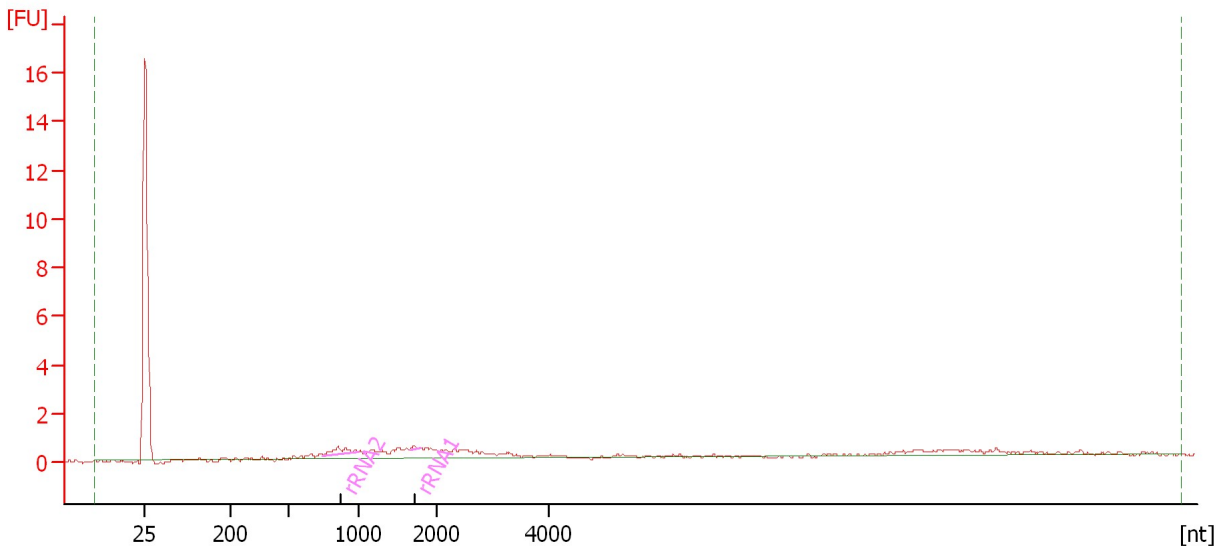
RNA Area: 114.5                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**

6hrE-3



**Overall Results for sample 1 : 6hrE-3**

RNA Area: 15.8                      rRNA Contamination: 7.0 %  
RNA Concentration: 138 pg/μl

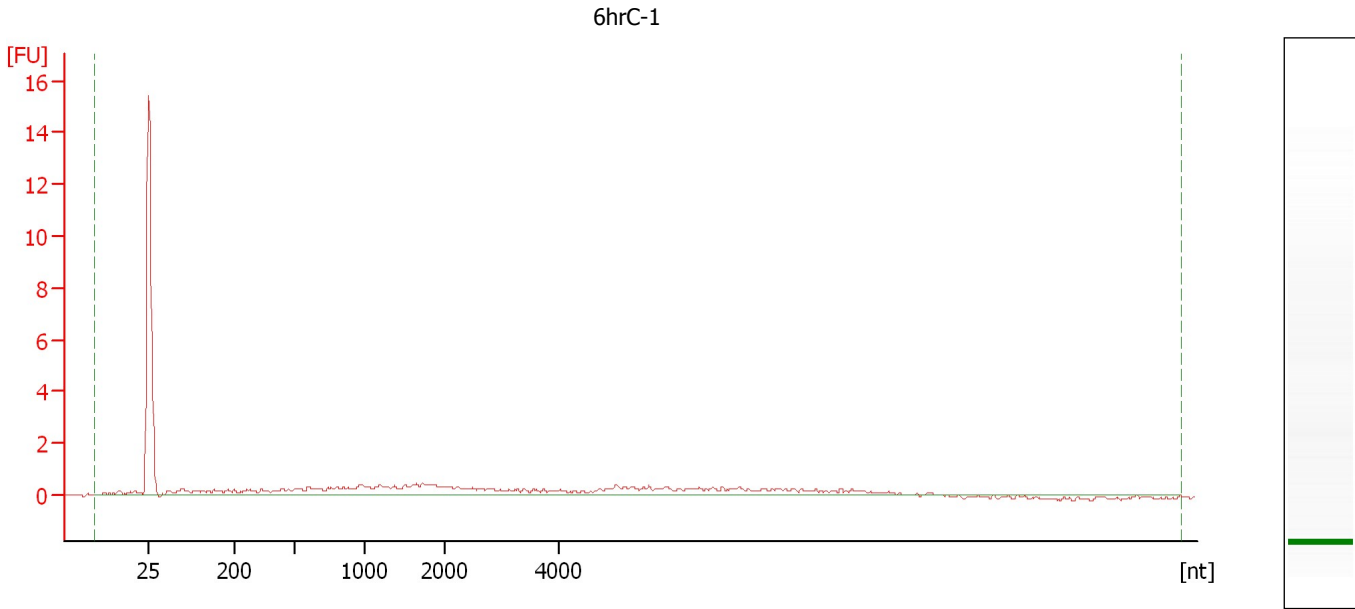
**Fragment table for sample 1 : 6hrE-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	744	998	1.0	6.2
rRNA1	1,667	1,799	0.1	0.8

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 6hrC-1**

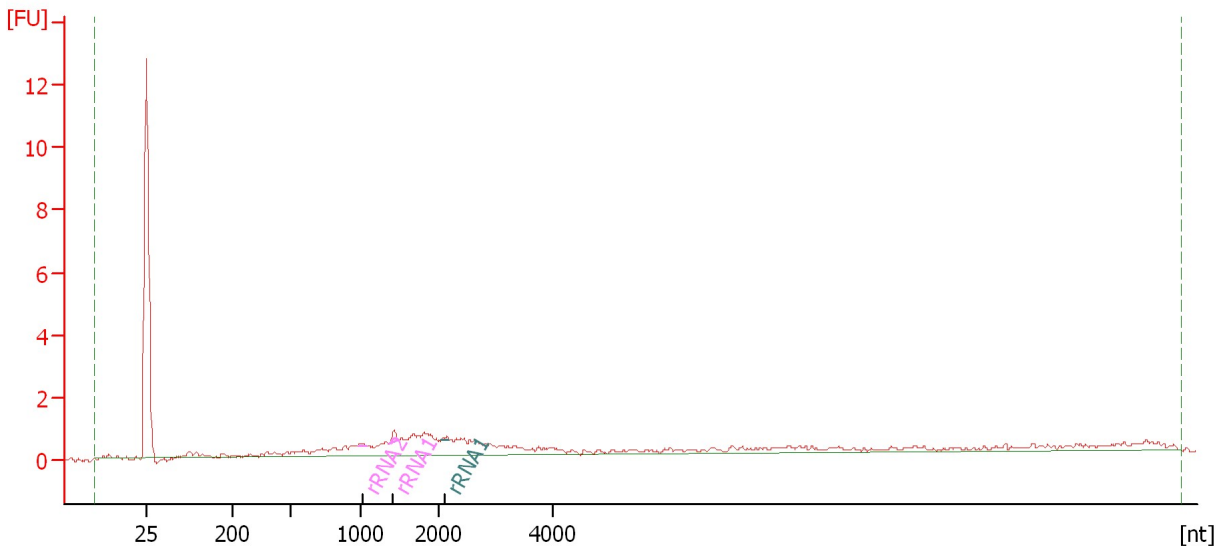
RNA Area: 24.5 rRNA Contamination: 0.0 %  
RNA Concentration: 214 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**

6hrC-2



**Overall Results for sample 3 : 6hrC-2**

RNA Area: 26.7                      rRNA Contamination: 1.8 %  
RNA Concentration: 233 pg/μl

**Fragment table for sample 3 : 6hrC-2**

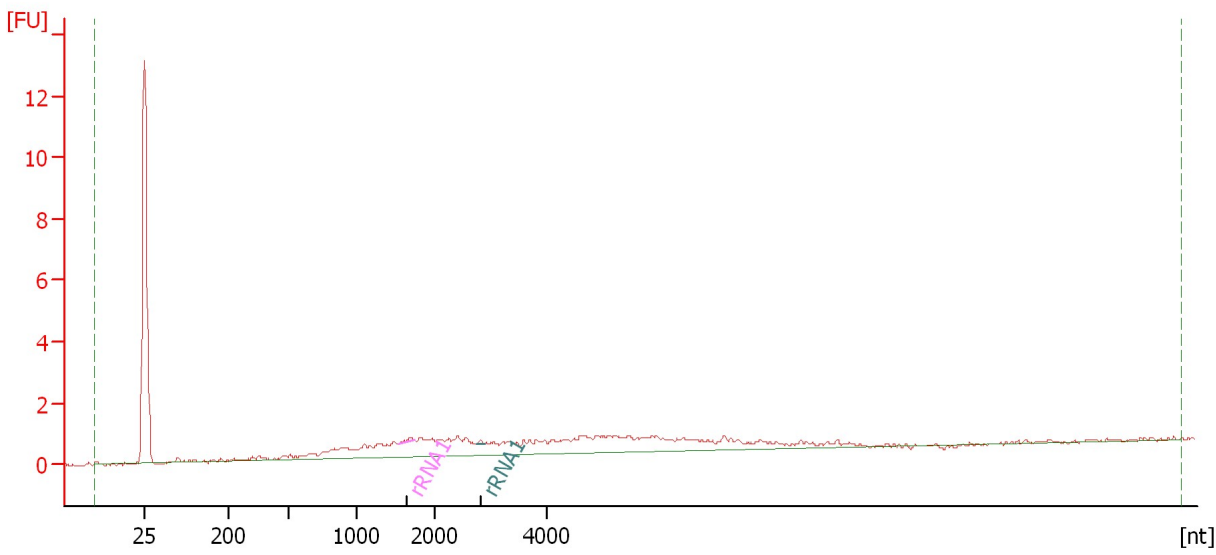
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	985	1,074	0.1	0.3
rRNA1	1,357	1,488	0.3	1.2
rRNA1	2,018	2,173	0.1	0.4

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**

6hrC-3



**Overall Results for sample 4 : 6hrC-3**

RNA Area: 28.8                      rRNA Contamination: 0.7 %  
RNA Concentration: 251 pg/μl

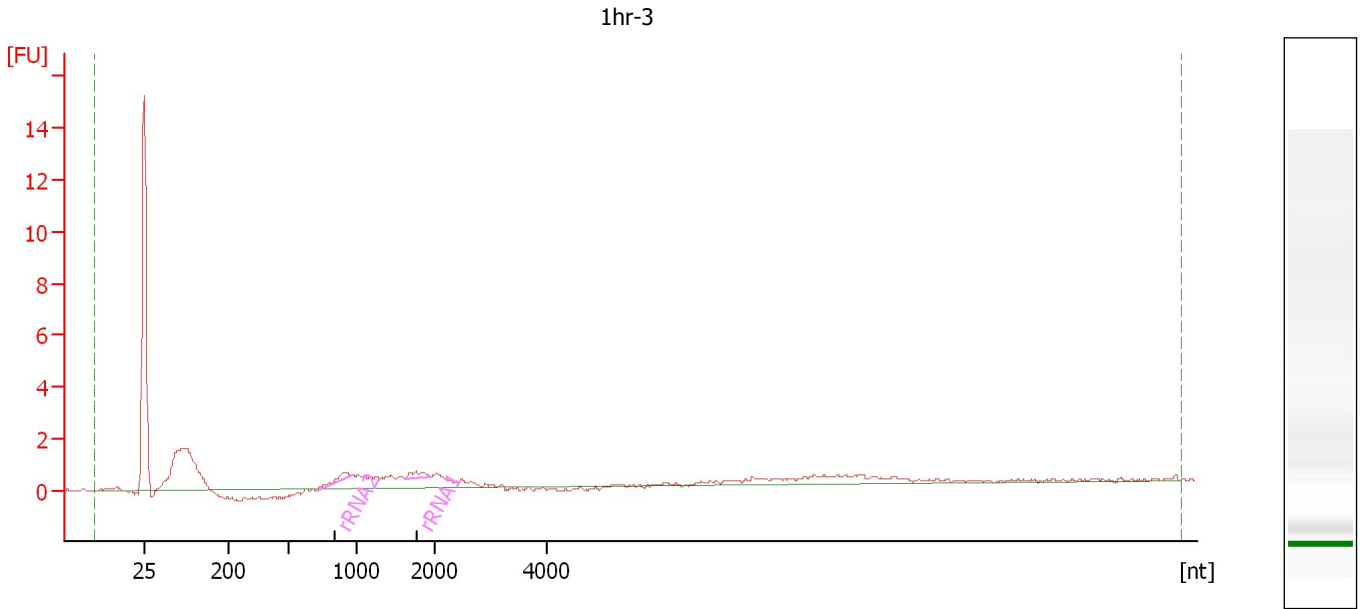
**Fragment table for sample 4 : 6hrC-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,523	1,737	0.1	0.4
rRNA1	2,741	2,869	0.1	0.3

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 1hr-3**

RNA Area: 31.2                      rRNA Contamination: 4.3 %  
RNA Concentration: 273 pg/μl

**Fragment table for sample 5 : 1hr-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	712	973	0.8	2.5
rRNA1	1,625	1,941	0.6	1.8

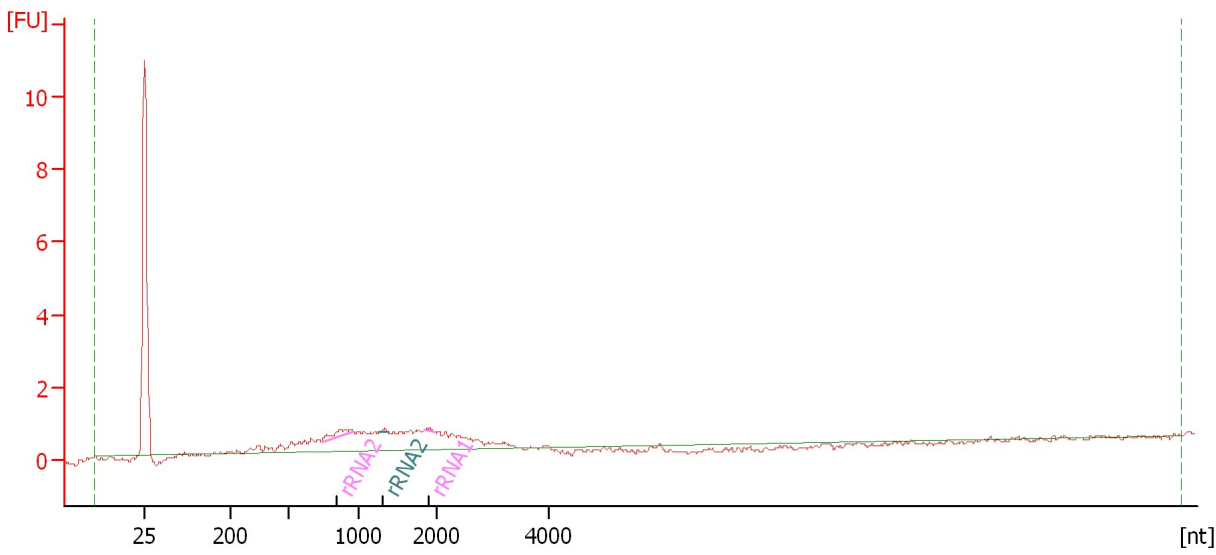


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**

3hrE-3



**Overall Results for sample 6 : 3hrE-3**

RNA Area: 18.0                      rRNA Contamination: 4.1 %  
RNA Concentration: 157 pg/μl

**Fragment table for sample 6 : 3hrE-3**

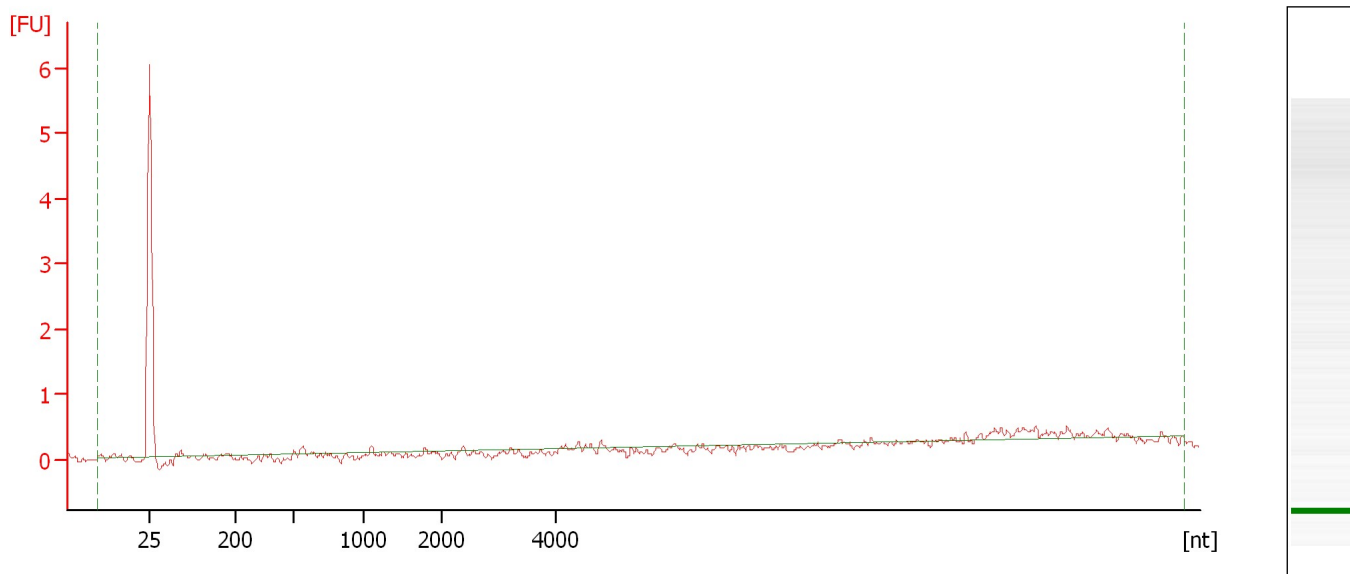
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	738	964	0.6	3.1
rRNA2	1,271	1,383	0.1	0.4
rRNA1	1,840	1,972	0.1	0.5

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**

3hrC-2



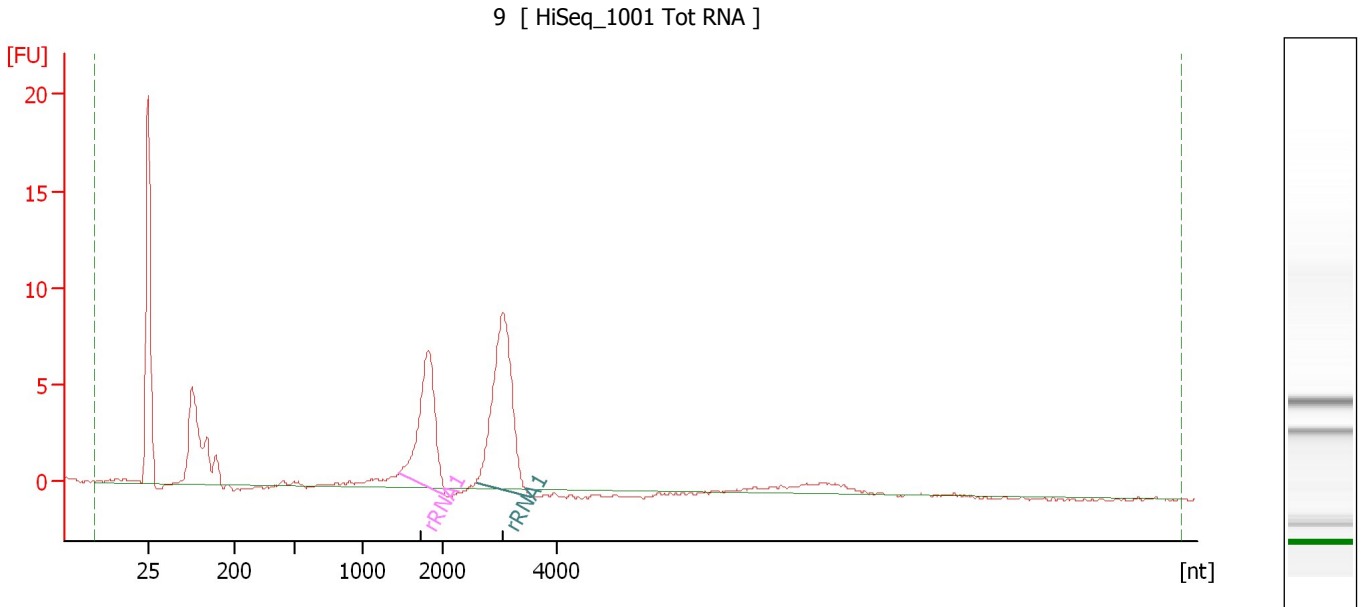
**Overall Results for sample 7 : 3hrC-2**

RNA Area: 2.2                      rRNA Contamination: 0.0 %  
RNA Concentration: 19 pg/ $\mu$ l

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 9**

RNA Area: 86.8                      rRNA Contamination: 60.9 %  
RNA Concentration: 758 pg/μl

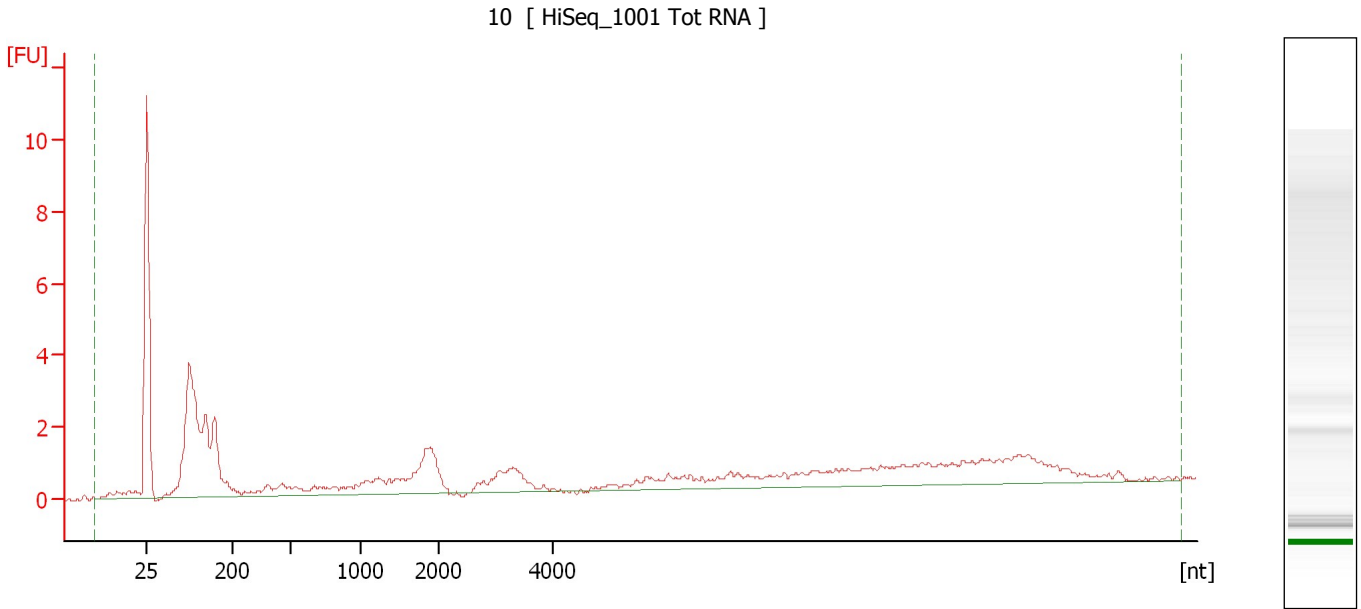
**Fragment table for sample 8 : 9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,441	2,048	22.3	25.7
rRNA1	2,580	3,547	30.5	35.2

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 10**

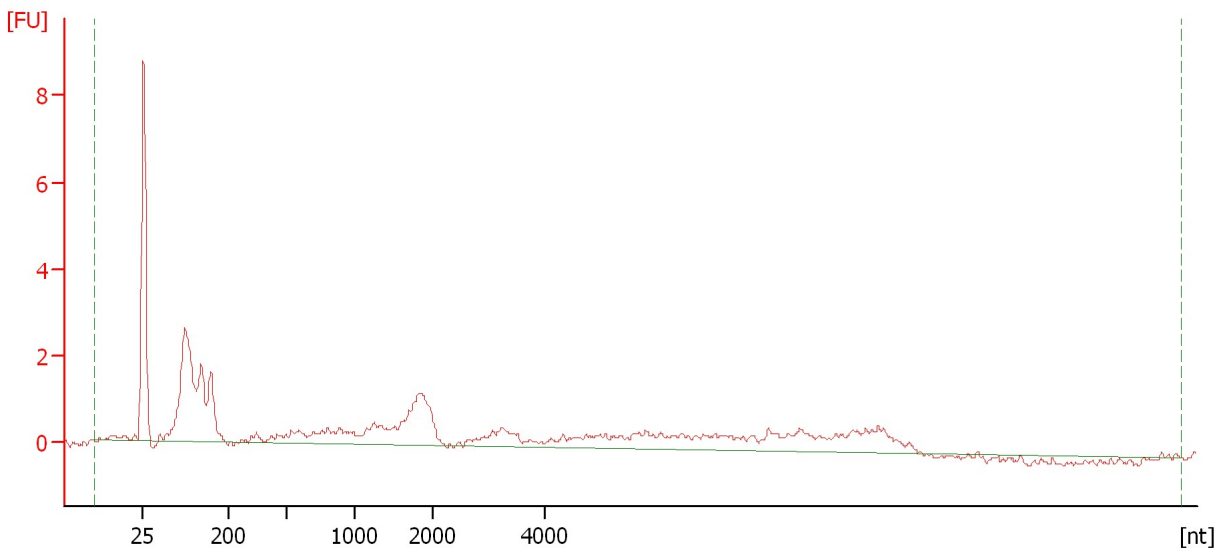
RNA Area:	62.0	rRNA Contamination:	0.0 %
RNA Concentration:	542 pg/ $\mu$ l		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**

11 [ HiSeq\_1001 Tot RNA ]



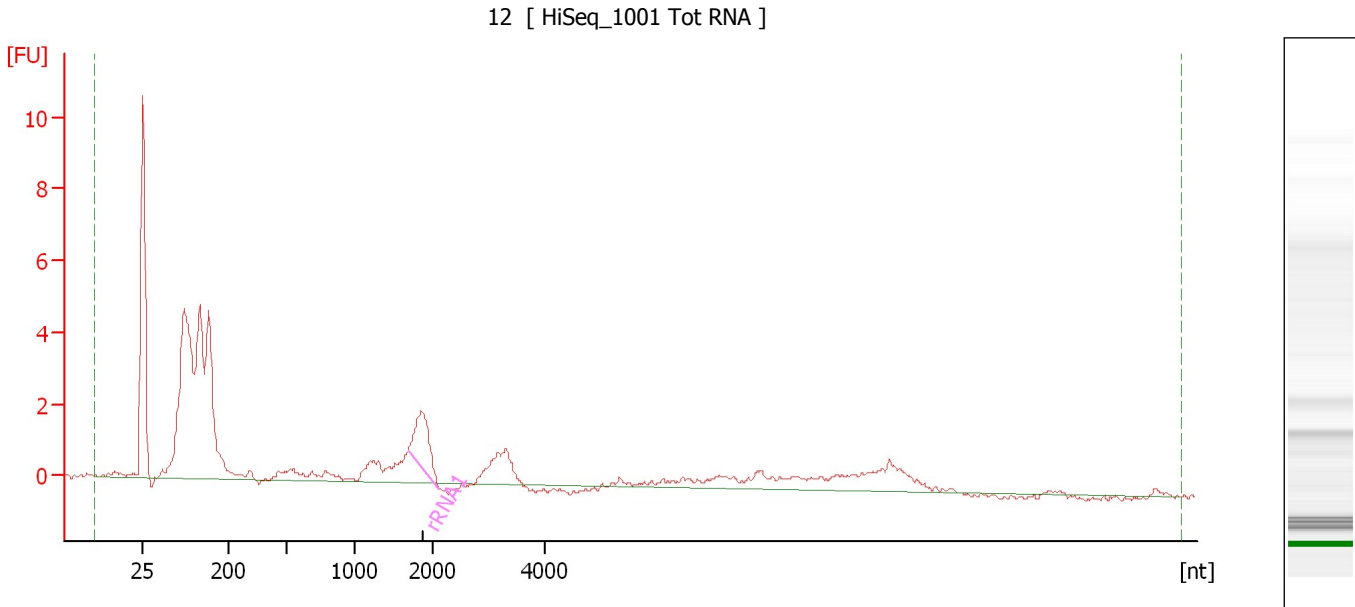
**Overall Results for sample 10 : 11**

RNA Area:	48.4	rRNA Contamination:	0.0 %
RNA Concentration:	423 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 12**

RNA Area: 71.6                      rRNA Contamination: 6.2 %  
RNA Concentration: 626 pg/μl

**Fragment table for sample 11 : 12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,675	2,102	4.4	6.2

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_003.xad

Created: 6/22/2017 2:27:01 PM  
Modified: 6/22/2017 2:52:04 PM

**Gel Image**

