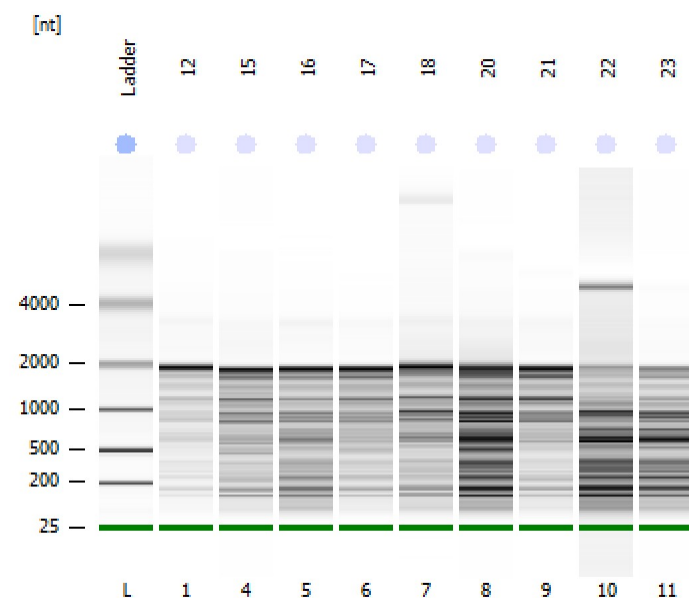


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_Selected Samples_1-25-2015_Eukaryote Total RNA Pico.xad

Created: 1/25/2016 9:56:45 AM
Modified: 1/29/2016 3:17:46 PM

Electrophoresis File Run SummaryInstrument Information:

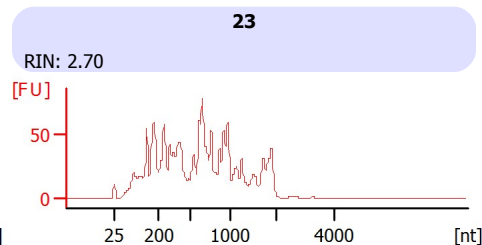
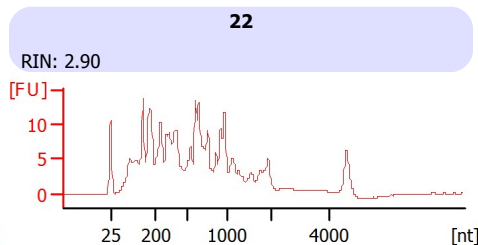
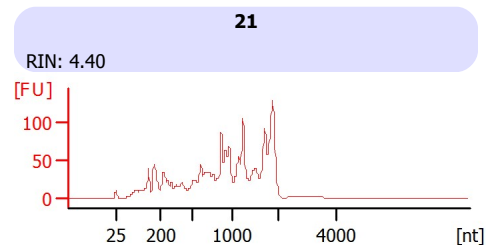
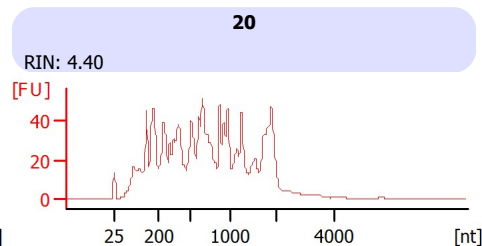
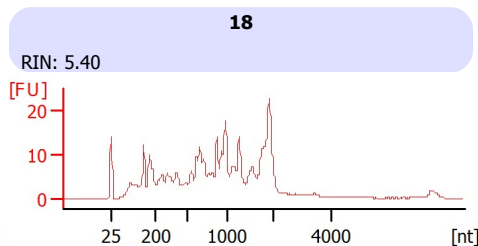
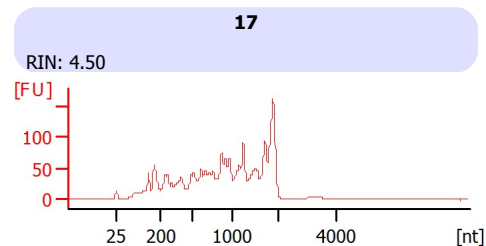
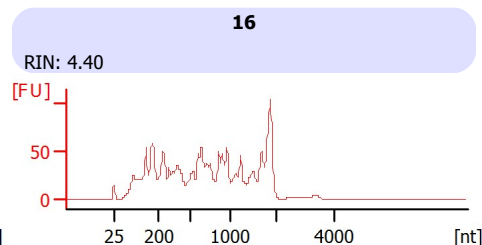
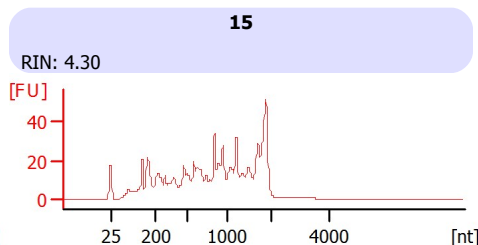
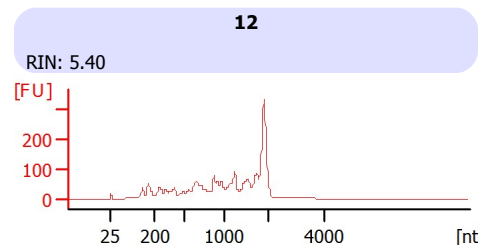
Instrument Name: Bioanalyzer
Serial#: DE20901668
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_Selected Samples_1-25-2015_Eukaryote Total RNA Pico.xad

Created: 1/25/2016 9:56:45 AM
Modified: 1/29/2016 3:17:46 PM

Electrophoresis File Run Summary (Chip Summary)

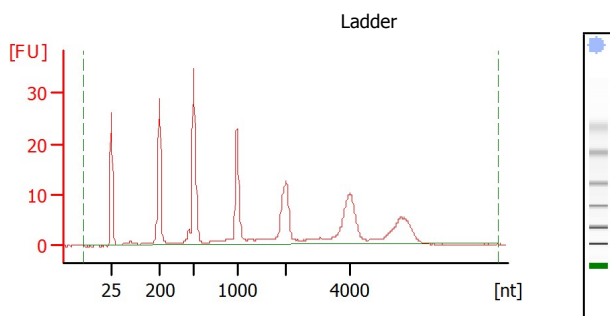
Sample Name	Sample Comment	Status	Result Label	Result Color
12		✓	RIN: 5.40	
15		✓	RIN: 4.30	
16		✓	RIN: 4.40	
17		✓	RIN: 4.50	
18		✓	RIN: 5.40	
20		✓	RIN: 4.40	
21		✓	RIN: 4.40	
22		✓	RIN: 2.90	
23		✓	RIN: 2.70	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_Selected Samples_1-25-2015_Eukaryote Total RNA Pico.xad

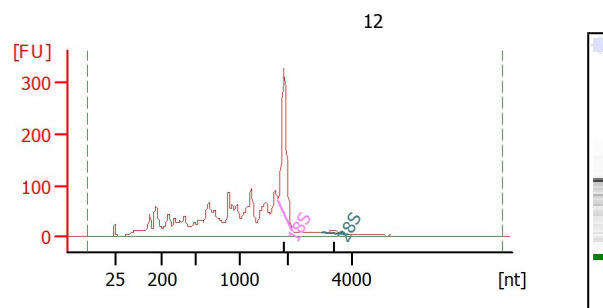
Created: 1/25/2016 9:56:45 AM
Modified: 1/29/2016 3:17:46 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 257.2
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

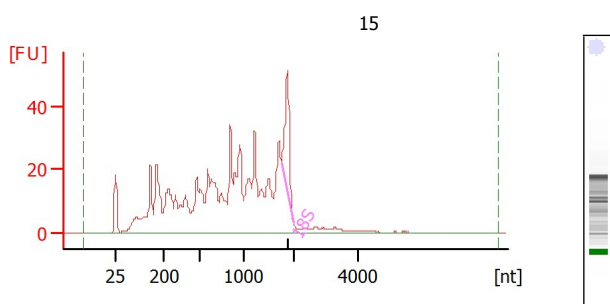


Overall Results for sample 1 : 12

RNA Area: 2,705.1
RNA Concentration: 10,519 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 5.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.40

Fragment table for sample 1 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,783	2,117	428.6	15.8
28S	3,075	3,860	15.1	0.6

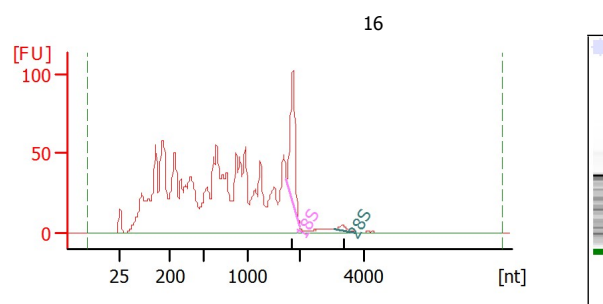


Overall Results for sample 4 : 15

RNA Area: 783.8
RNA Concentration: 3,048 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 4.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.30

Fragment table for sample 4 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,748	1,990	52.2	6.7



Overall Results for sample 5 : 16

RNA Area: 1,873.4
RNA Concentration: 7,285 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 4.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.40

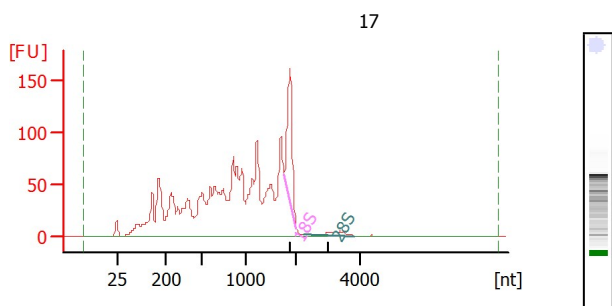
Fragment table for sample 5 : 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,025	124.5	6.6
28S	3,060	3,771	6.6	0.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...han_Selected Samples_1-25-2015_Eukaryote Total RNA Pico.xad

Created: 1/25/2016 9:56:45 AM
 Modified: 1/29/2016 3:17:46 PM

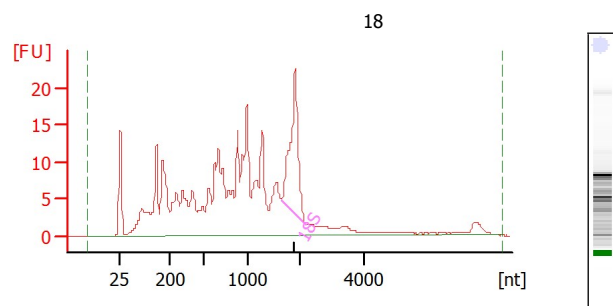
Electropherogram Summary Continued ...



Overall Results for sample 6 : 17
 RNA Area: 2,269.3
 RNA Concentration: 8,825 pg/μl
 rRNA Ratio [28s / 18s]: 0.1
 RNA Integrity Number (RIN): 4.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.50

Fragment table for sample 6 : 17

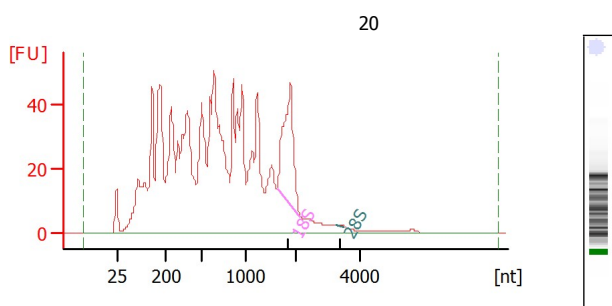
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,767	2,026	189.9	8.4
28S	2,233	3,794	16.9	0.7



Overall Results for sample 7 : 18
 RNA Area: 406.6
 RNA Concentration: 1,581 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 5.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.40

Fragment table for sample 7 : 18

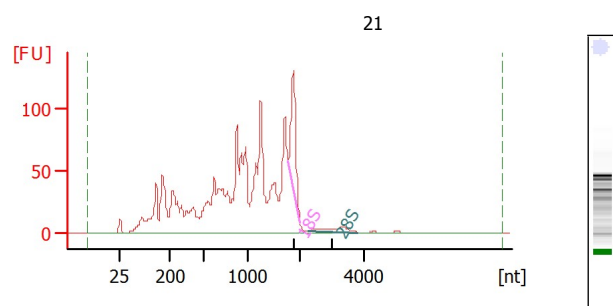
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,657	2,219	45.9	11.3



Overall Results for sample 8 : 20
 RNA Area: 1,574.3
 RNA Concentration: 6,122 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 4.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.40

Fragment table for sample 8 : 20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	2,155	113.3	7.2
28S	3,239	3,498	0.5	0.0



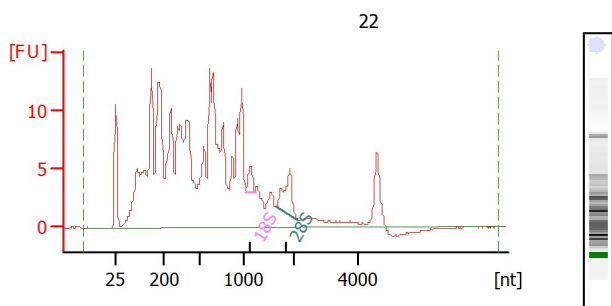
Overall Results for sample 9 : 21
 RNA Area: 1,917.0
 RNA Concentration: 7,454 pg/μl
 rRNA Ratio [28s / 18s]: 0.1
 RNA Integrity Number (RIN): 4.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.40

Fragment table for sample 9 : 21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,782	2,038	139.5	7.3
28S	2,258	3,836	18.3	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_Selected Samples_1-25-2015_Eukaryote Total RNA Pico.xad

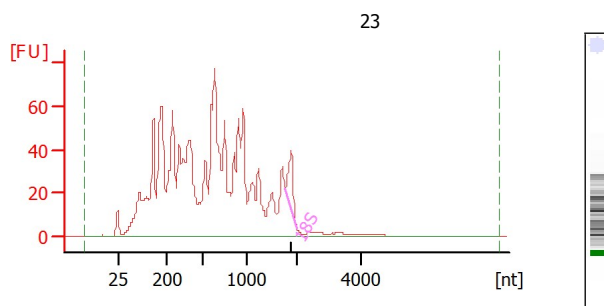
Created: 1/25/2016 9:56:45 AM
Modified: 1/29/2016 3:17:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 22**

RNA Area: 352.9
RNA Concentration: 1,372 pg/μl
rRNA Ratio [28s / 18s]: 3.0
RNA Integrity Number (RIN): 2.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.90

Fragment table for sample 10 : 22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,037	1,221	3.3	0.9
28S	1,631	2,141	9.7	2.7

**Overall Results for sample 11 : 23**

RNA Area: 1,688.2
RNA Concentration: 6,565 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.70

Fragment table for sample 11 : 23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,767	2,000	39.0	2.3