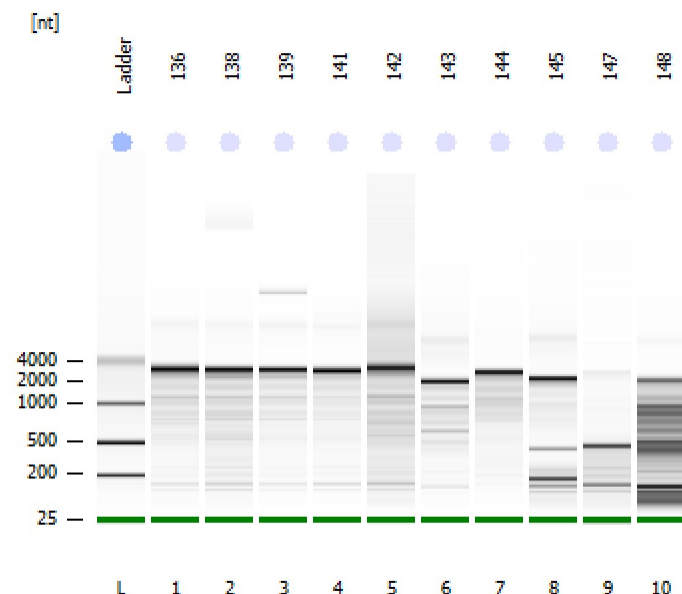


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_1-29-2016_Selected Samples_Eukaryote Total RNA Pico.xad

Created: 1/29/2016 10:28:19 AM
Modified: 1/29/2016 2:46:43 PM

Electrophoresis File Run Summary



Instrument 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)

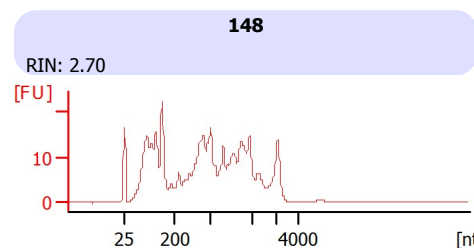
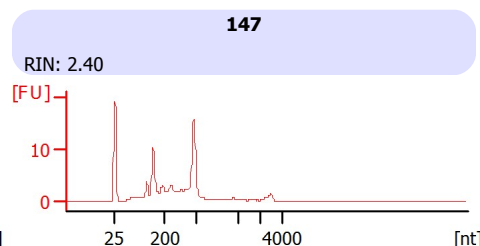
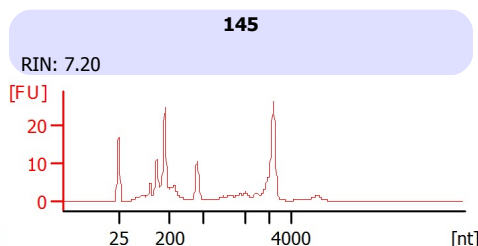
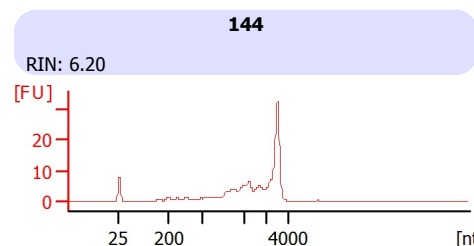
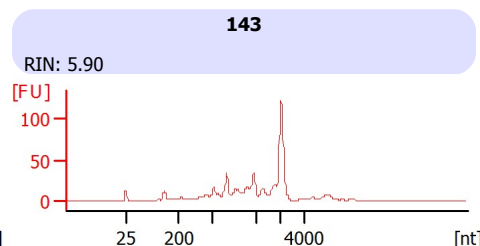
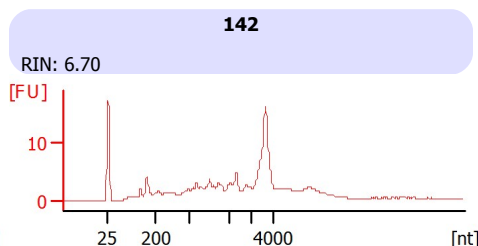
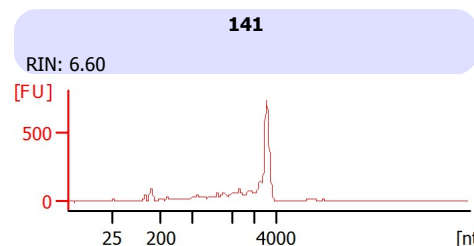
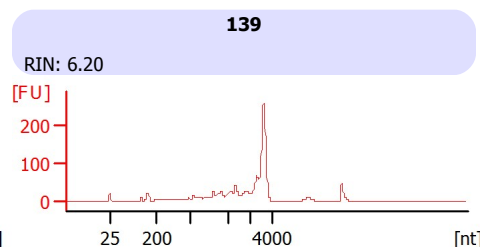
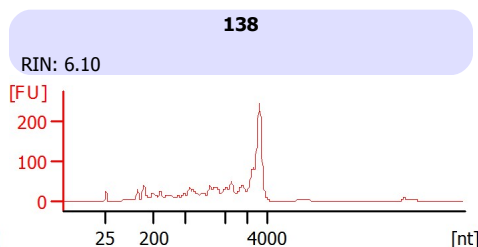
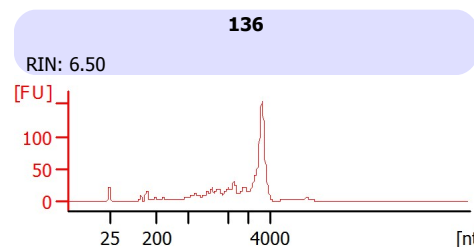
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_1-29-2016_Selected Samples_Eukaryote Total RNA Pico.xad

Created: 1/29/2016 10:28:19 AM
Modified: 1/29/2016 2:46:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
136		✓	RIN: 6.50	
138		✓	RIN: 6.10	
139		✓	RIN: 6.20	
141		✓	RIN: 6.60	
142		✓	RIN: 6.70	
143		✓	RIN: 5.90	
144		✓	RIN: 6.20	
145		✓	RIN: 7.20	
147		✓	RIN: 2.40	
148		✓	RIN: 2.70	
Ladder		✓	All Other Samples	

Chip Lot #

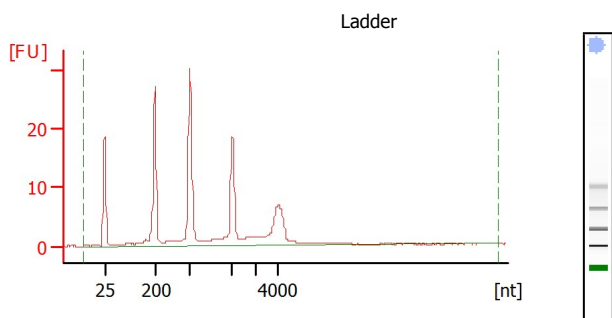
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_1-29-2016_Selected Samples_Eukaryote Total RNA Pico.xad

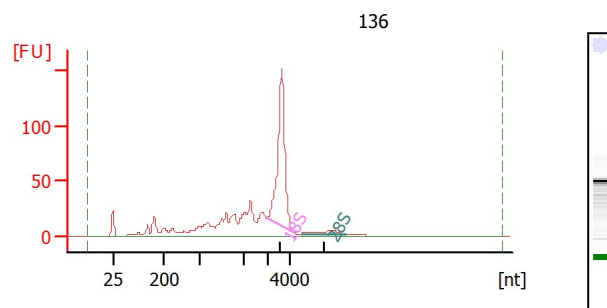
Created: 1/29/2016 10:28:19 AM
Modified: 1/29/2016 2:46:43 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 185.4
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

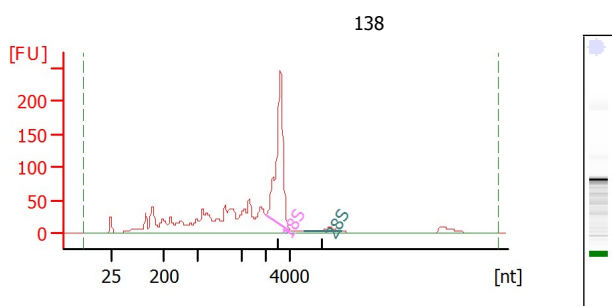


Overall Results for sample 1 : 136

RNA Area: 944.8
RNA Concentration: 5,096 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.5 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.50

Fragment table for sample 1 : 136

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,997	4,203	316.9	33.5
28S	4,891	8,730	17.5	1.9

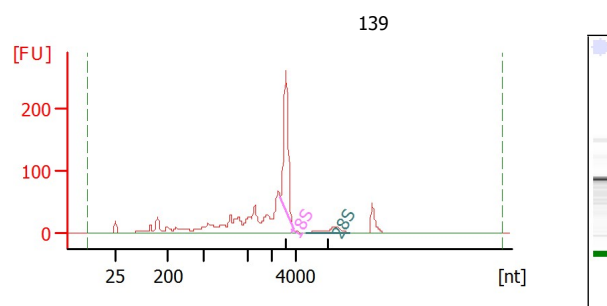


Overall Results for sample 2 : 138

RNA Area: 1,821.2
RNA Concentration: 9,824 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.10

Fragment table for sample 2 : 138

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,975	4,066	495.2	27.2
28S	5,251	8,482	18.7	1.0



Overall Results for sample 3 : 139

RNA Area: 1,274.7
RNA Concentration: 6,876 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.2 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.20

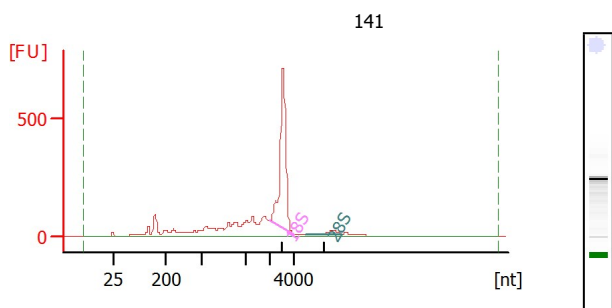
Fragment table for sample 3 : 139

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,712	3,784	305.2	23.9
28S	4,821	8,716	34.9	2.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_1-29-2016_Selected Samples_Eukaryote Total RNA Pico.xad

Created: 1/29/2016 10:28:19 AM
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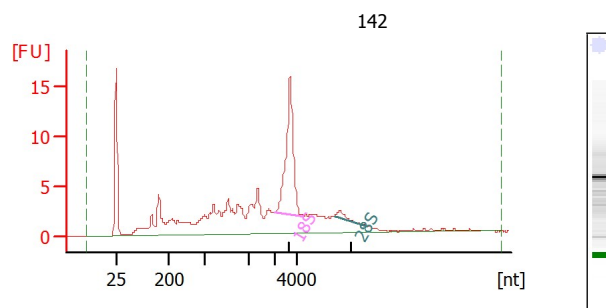
Electropherogram Summary Continued ...



Overall Results for sample 4 : 141
RNA Area: 3,435.1
RNA Concentration: 18,530 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.60

Fragment table for sample 4 : 141

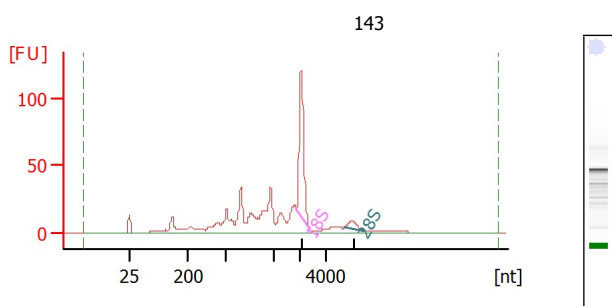
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,939	3,970	1,245.1	36.2
28S	5,035	8,053	48.5	1.4



Overall Results for sample 5 : 142
RNA Area: 164.6
RNA Concentration: 888 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.70

Fragment table for sample 5 : 142

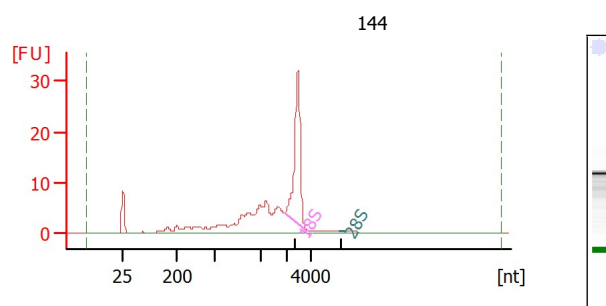
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,130	4,503	31.4	19.1
28S	7,125	9,853	1.7	1.0



Overall Results for sample 6 : 143
RNA Area: 669.3
RNA Concentration: 3,610 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 5.9 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 5.90

Fragment table for sample 6 : 143

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,839	2,746	139.2	20.8
28S	5,326	6,927	12.1	1.8



Overall Results for sample 7 : 144
RNA Area: 161.8
RNA Concentration: 873 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.2 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.20

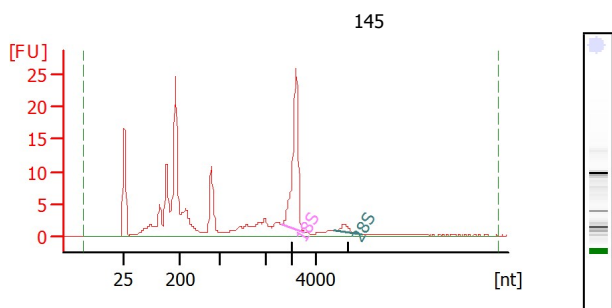
Fragment table for sample 7 : 144

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,911	3,630	53.4	33.0
28S	6,369	6,780	0.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...han_1-29-2016_Selected Samples_Eukaryote Total RNA Pico.xad

Created: 1/29/2016 10:28:19 AM
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Electropherogram Summary Continued ...

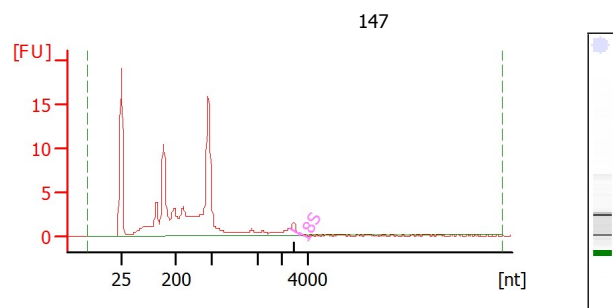


Overall Results for sample 8 : 145

RNA Area: 203.4
RNA Concentration: 1,097 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.2 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.20

Fragment table for sample 8 : 145

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	3,025	43.0	21.2
28S	5,334	7,610	2.8	1.4

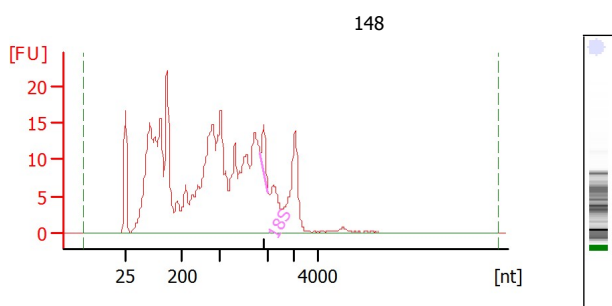


Overall Results for sample 9 : 147

RNA Area: 109.3
RNA Concentration: 590 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.4 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 2.40

Fragment table for sample 9 : 147

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,572	3,335	1.3	1.2



Overall Results for sample 10 : 148

RNA Area: 496.9
RNA Concentration: 2,681 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 2.70

Fragment table for sample 10 : 148

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	929	1,051	6.8	1.4