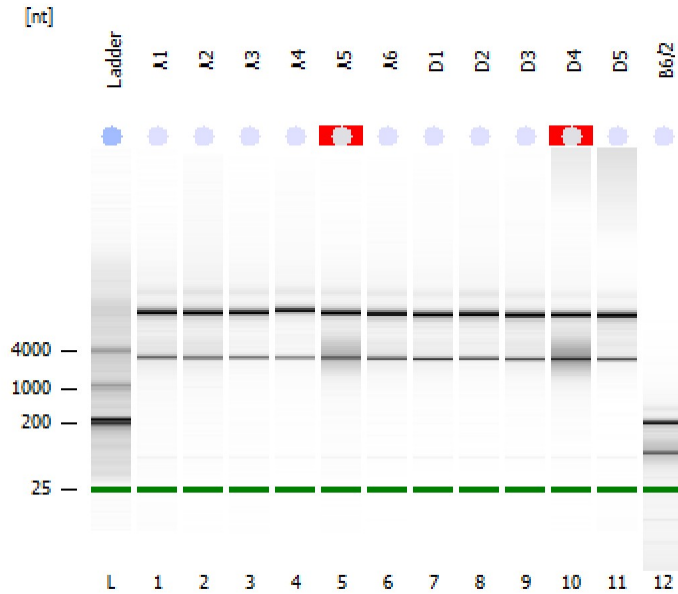


Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
 Modified: 31.05.2016 15:57:45

Electrophoresis File Run Summary



Instrument Information:

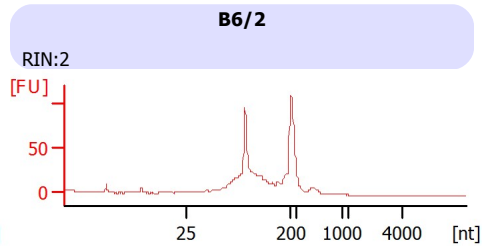
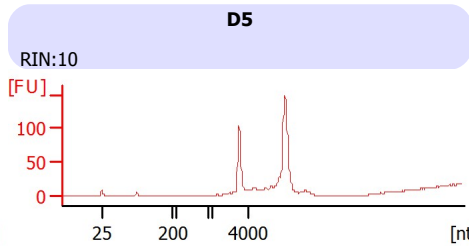
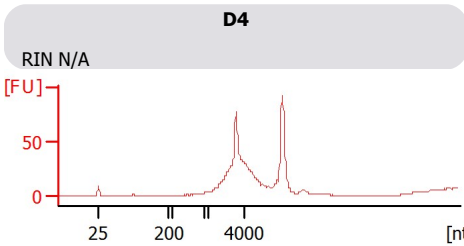
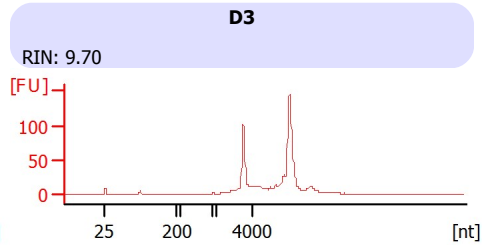
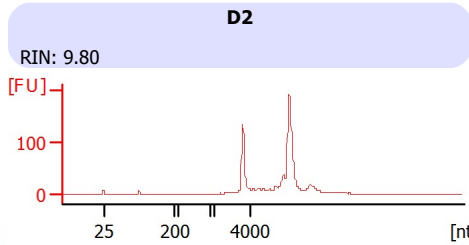
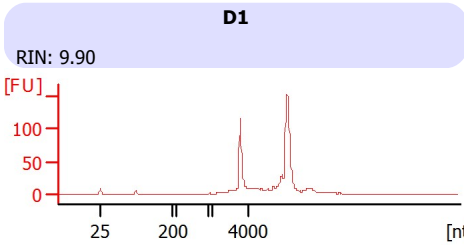
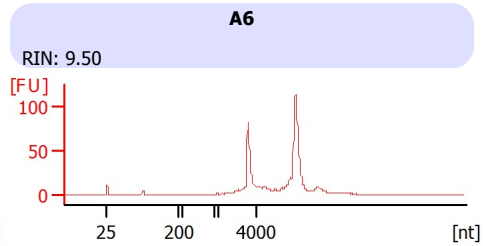
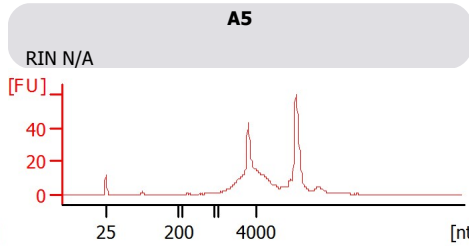
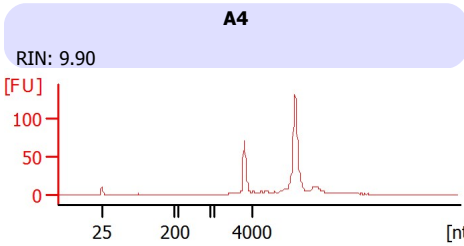
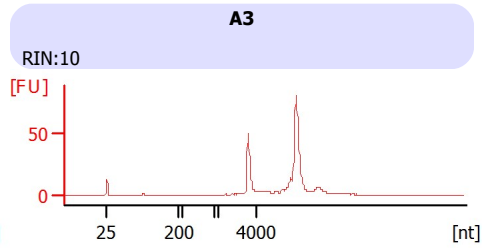
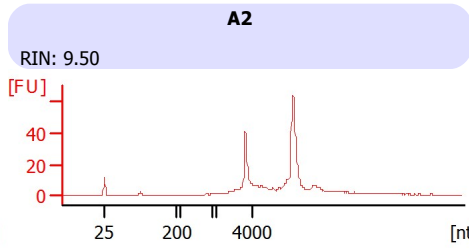
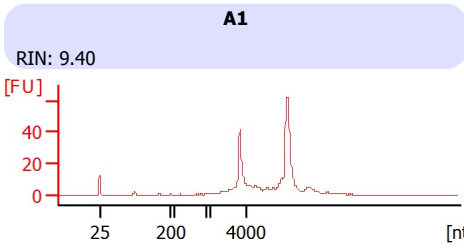
Instrument Name: DE13806198 Firmware: C.01.069
 Serial#: DE13806198 Type: G2939A

Assay Information:

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

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
 Modified: 31.05.2016 15:57:45

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN: 9.40	
A2		✓	RIN: 9.50	
A3		✓	RIN:10	
A4		✓	RIN: 9.90	
A5		✓	RIN N/A	
A6		✓	RIN: 9.50	
D1		✓	RIN: 9.90	
D2		✓	RIN: 9.80	
D3		✓	RIN: 9.70	
D4		✓	RIN N/A	
D5		✓	RIN:10	
B6/2		✓	RIN:2	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
Modified: 31.05.2016 15:57:45

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0,6
Height Threshold [FU] : 0,5
Area Threshold : 0,2
Width Threshold [s] : 0,5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0,5
Polynomial Order : 4

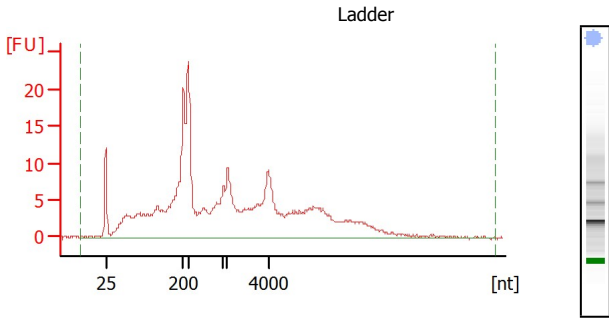
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

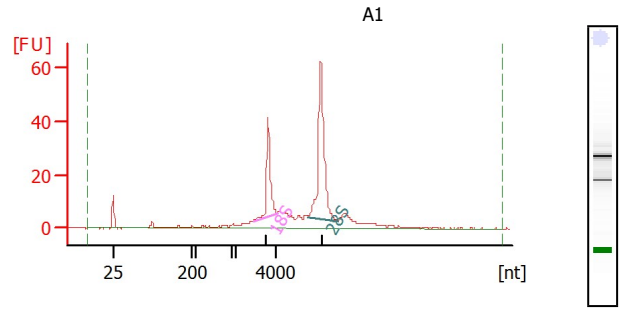
Created: 31.05.2016 15:33:48
 Modified: 31.05.2016 15:57:45

Electropherogram Summary



Overall Results for Ladder

RNA Area: 374,5
 RNA Concentration: 150 ng/µl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

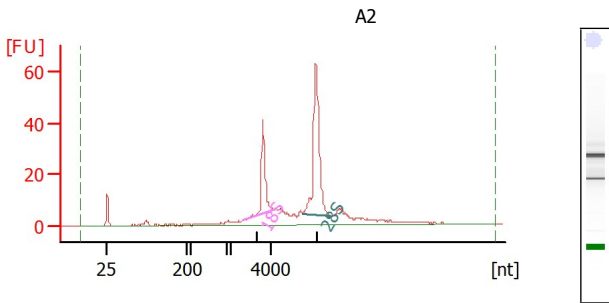


Overall Results for sample 1 : A1

RNA Area: 308,1
 RNA Concentration: 123 ng/µl
 rRNA Ratio [28s / 18s]: 2,2
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 1 : A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2.871	4.064	45,1	14,6
28S	5.545	7.068	101,0	32,8

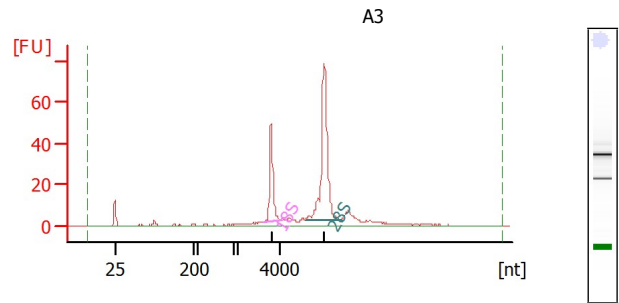


Overall Results for sample 2 : A2

RNA Area: 317,0
 RNA Concentration: 127 ng/µl
 rRNA Ratio [28s / 18s]: 2,3
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 2 : A2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2.641	4.072	43,4	13,7
28S	5.503	6.933	100,0	31,6



Overall Results for sample 3 : A3

RNA Area: 322,8
 RNA Concentration: 129 ng/µl
 rRNA Ratio [28s / 18s]: 2,6
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

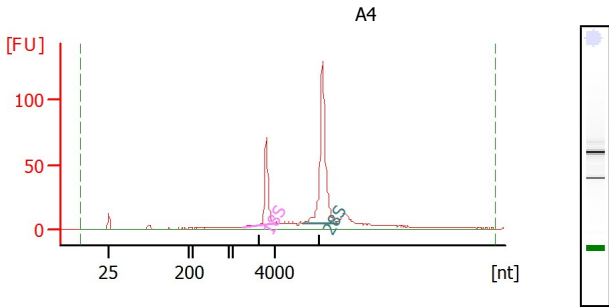
Fragment table for sample 3 : A3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3.259	4.095	51,3	15,9
28S	5.257	7.011	131,8	40,8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
 Modified: 31.05.2016 15:57:45

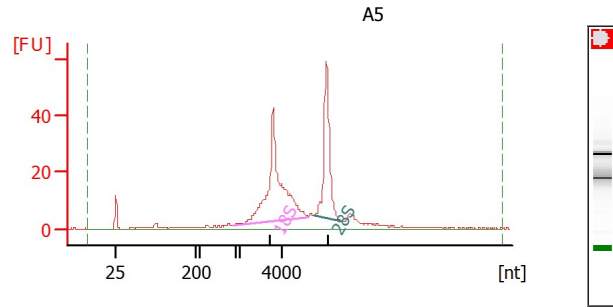
Electropherogram Summary Continued ...



Overall Results for sample 4 : A4
 RNA Area: 485,7
 RNA Concentration: 195 ng/µl
 rRNA Ratio [28s / 18s]: 2,7
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 4 : A4

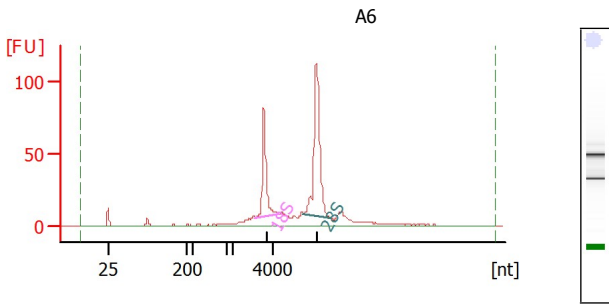
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2.442	3.961	74,1	15,3
28S	5.399	6.980	197,4	40,6



Overall Results for sample 5 : A5
 RNA Area: 393,3
 RNA Concentration: 158 ng/µl
 rRNA Ratio [28s / 18s]: 0,6
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 5 : A5

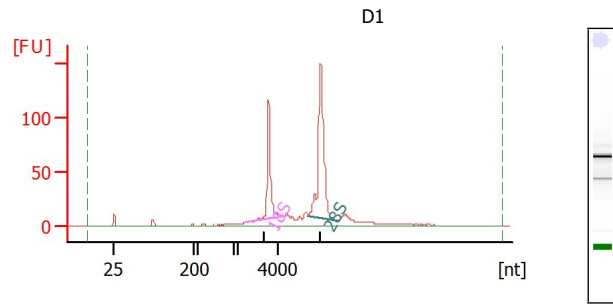
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	970	5.258	154,0	39,2
28S	5.521	6.878	91,6	23,3



Overall Results for sample 6 : A6
 RNA Area: 542,6
 RNA Concentration: 217 ng/µl
 rRNA Ratio [28s / 18s]: 2,0
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 6 : A6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3.141	4.281	89,1	16,4
28S	5.481	6.784	181,8	33,5



Overall Results for sample 7 : D1
 RNA Area: 636,3
 RNA Concentration: 255 ng/µl
 rRNA Ratio [28s / 18s]: 1,9
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

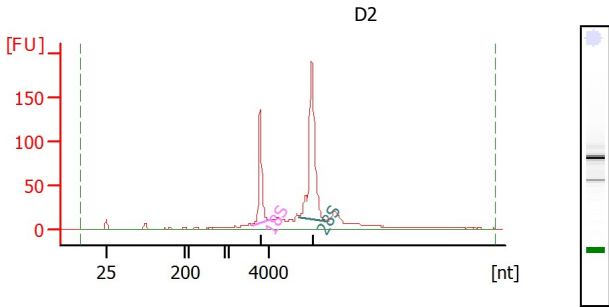
Fragment table for sample 7 : D1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2.437	4.256	122,8	19,3
28S	5.441	6.729	231,2	36,3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
 Modified: 31.05.2016 15:57:45

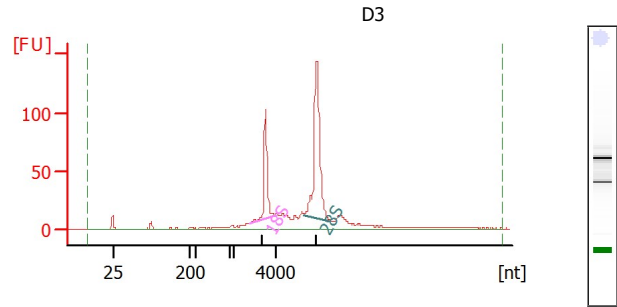
Electropherogram Summary Continued ...



Overall Results for sample 8 : D2
 RNA Area: 833,9
 RNA Concentration: 334 ng/µl
 rRNA Ratio [28s / 18s]: 2,2
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 8 : D2

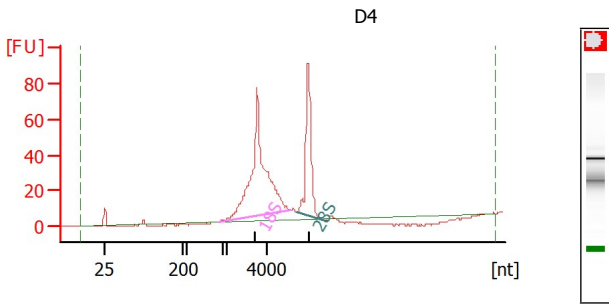
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3.159	4.043	138,7	16,6
28S	5.463	6.800	304,5	36,5



Overall Results for sample 9 : D3
 RNA Area: 664,9
 RNA Concentration: 266 ng/µl
 rRNA Ratio [28s / 18s]: 2,2
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 9 : D3

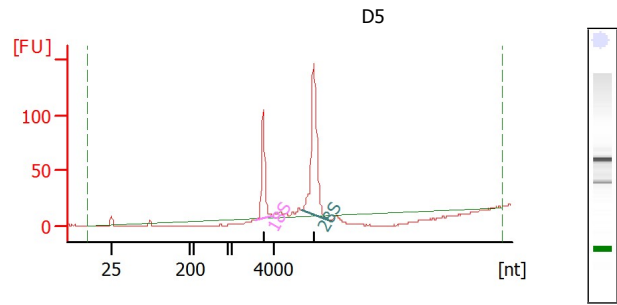
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2.701	3.979	101,9	15,3
28S	5.402	6.701	226,5	34,1



Overall Results for sample 10 : D4
 RNA Area: 511,3
 RNA Concentration: 205 ng/µl
 rRNA Ratio [28s / 18s]: 0,4
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 10 : D4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	947	5.216	301,4	59,0
28S	5.506	6.769	132,0	25,8



Overall Results for sample 11 : D5
 RNA Area: 377,9
 RNA Concentration: 151 ng/µl
 rRNA Ratio [28s / 18s]: 2,2
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

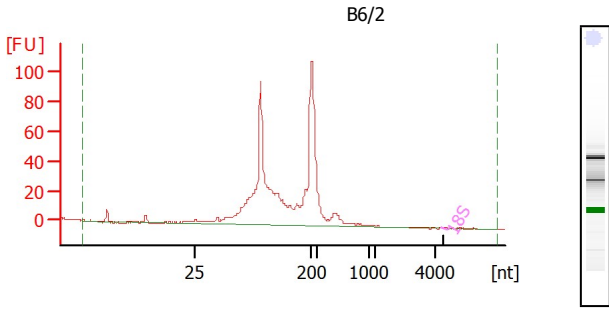
Fragment table for sample 11 : D5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3.098	3.970	108,5	28,7
28S	5.382	6.731	238,6	63,2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
Modified: 31.05.2016 15:57:45

Electropherogram Summary Continued ...



Overall Results for sample 12 : B6/2

RNA Area: 698,2
RNA Concentration: 280 ng/ul
rRNA Ratio [28s / 18s]: 0,0
RNA Integrity Number (RIN): 2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:2

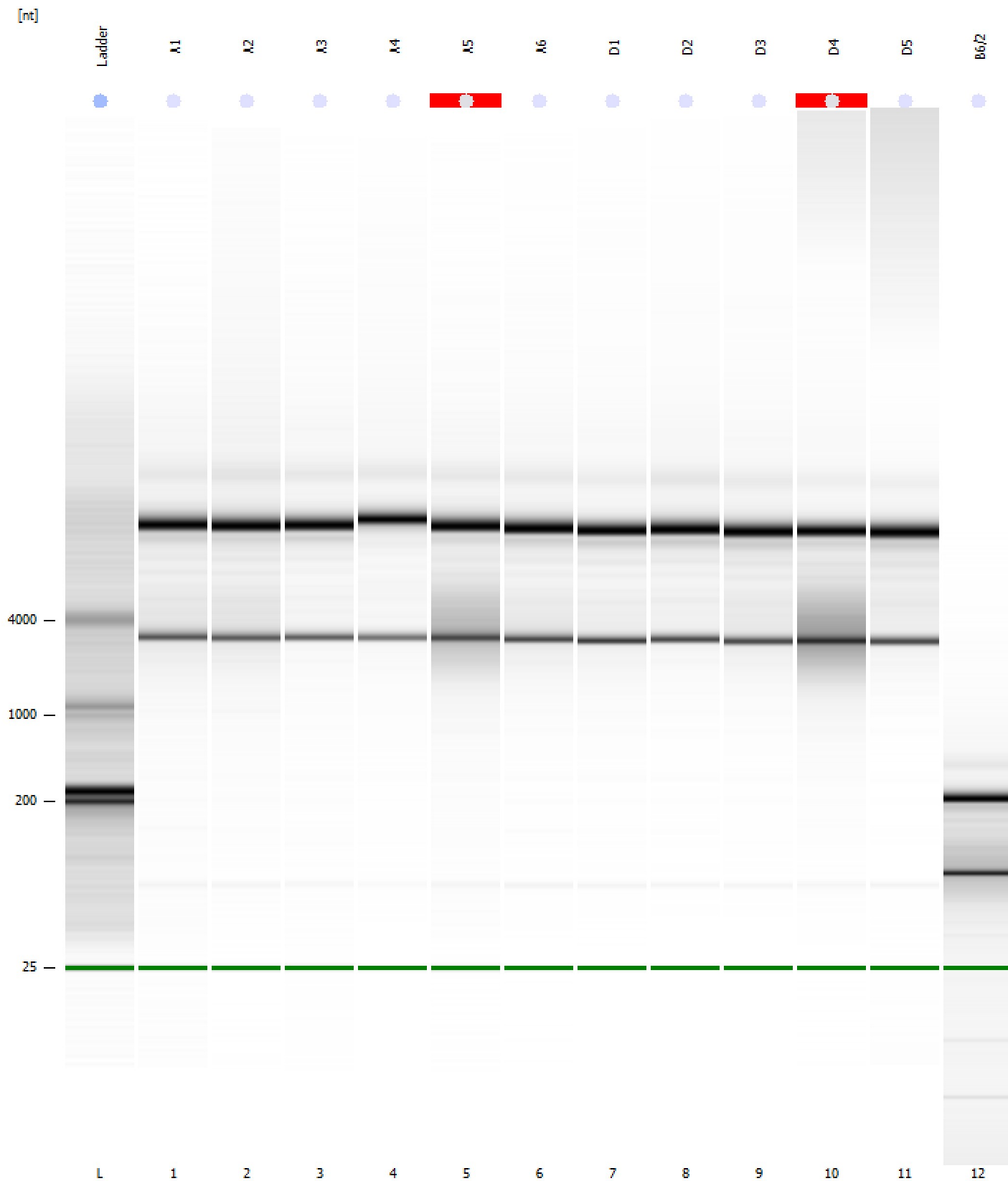
Fragment table for sample 12 : B6/2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	4.225	4.450	0,2	0,0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
Modified: 31.05.2016 15:57:45

Gel Image

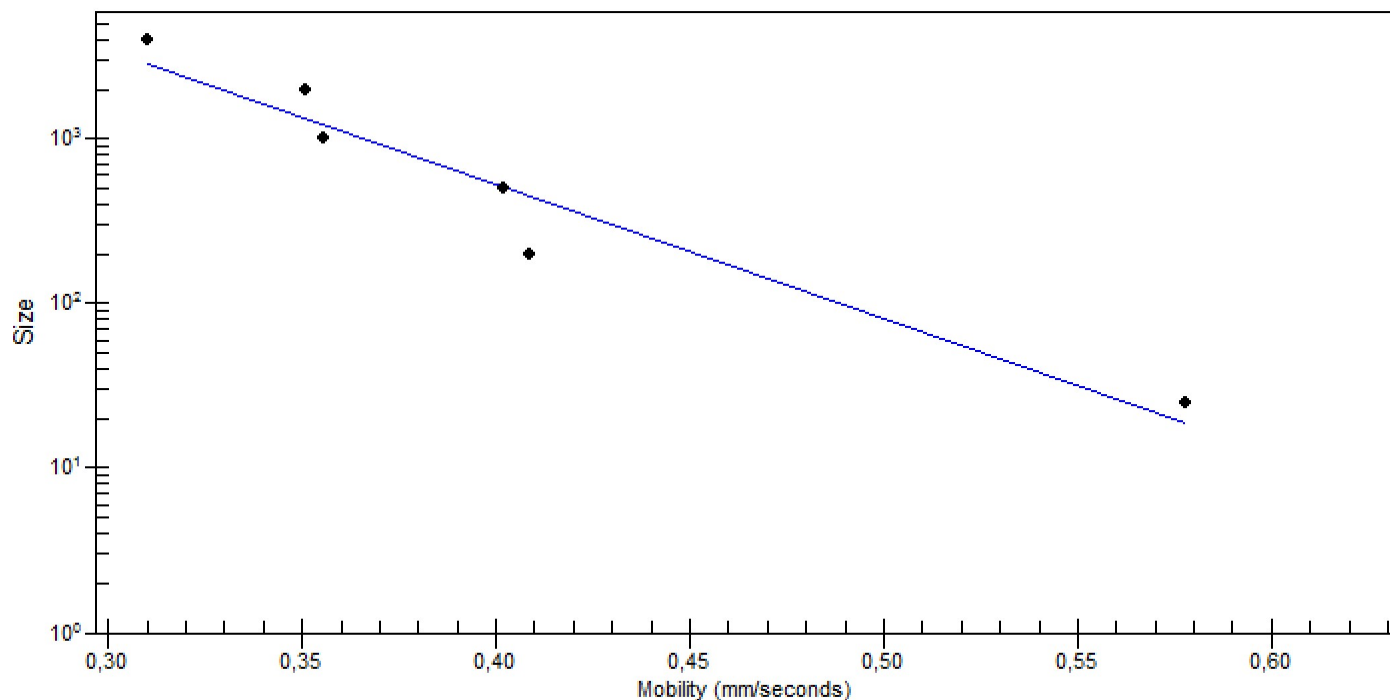


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad

Created: 31.05.2016 15:33:48
Modified: 31.05.2016 15:57:45

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano Created: 31.05.2016 15:33:48
 Data Path: C:\...Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad Modified: 31.05.2016 15:57:45

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		31.05.2016 15:57:41	(GMT +02:00) Romance Standard Time	cary100	cary100-HP
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2016-05-31\2100 expert_Eukaryote Total RNA Nano_DE13806198_2016-05-31_15-33-49.xad)		Instrument	Run		31.05.2016 15:33:54	(GMT +02:00) Romance Standard Time	cary100	cary100-HP
Product Number : G2939A		Instrument	Run		31.05.2016 15:33:54	(GMT +02:00) Romance Standard Time	cary100	cary100-HP
Name :		Instrument	Run		31.05.2016 15:33:54	(GMT +02:00) Romance Standard Time	cary100	cary100-HP
Vendor : Agilent Technologies		Instrument	Run		31.05.2016 15:33:54	(GMT +02:00) Romance Standard Time	cary100	cary100-HP
Serial# : DE13806198		Instrument	Run		31.05.2016 15:33:54	(GMT +02:00) Romance Standard Time	cary100	cary100-HP
Firmware : C.01.069		Instrument	Run		31.05.2016 15:33:54	(GMT +02:00) Romance Standard Time	cary100	cary100-HP
Cartridge : Electrode		Instrument	Run		31.05.2016 15:33:54	(GMT +02:00) Romance Standard Time	cary100	cary100-HP