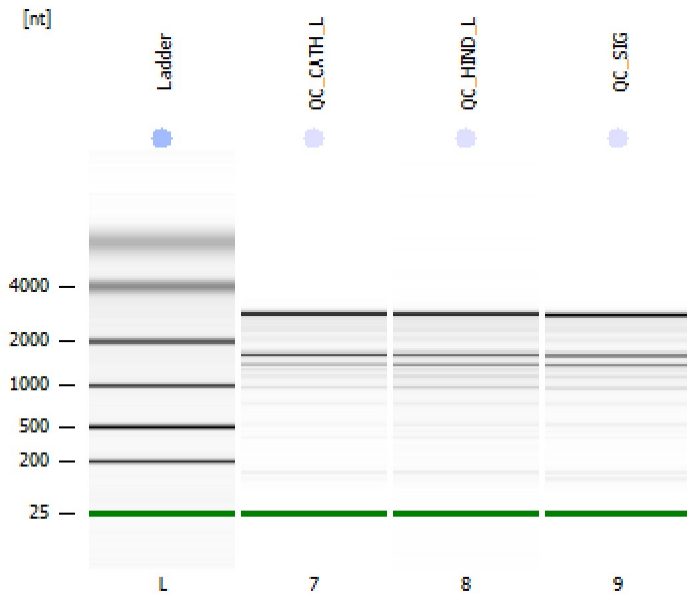


Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
 Modified: 11/30/2020 12:12:34 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\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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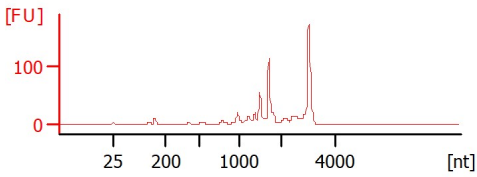
Chip Information:

Chip Lot #:

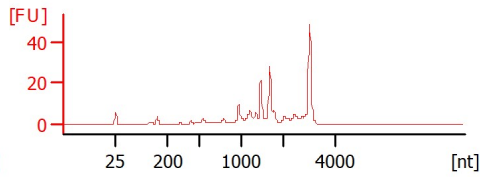
Reagent Kit Lot #:

Chip Comments:

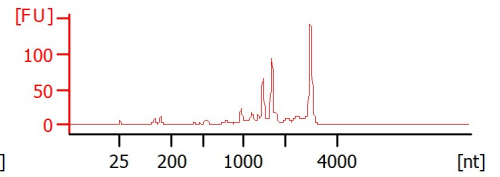
QC_CATH_LEAF
 PB521
 RIN: 7.70



QC_HIND_LEAF
 PB521
 RIN: 7.50



QC_SIG
 PB521
 RIN: 7.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
 Modified: 11/30/2020 12:12:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC_CATH_LEAF	PB521	✓	RIN: 7.70	
QC_HIND_LEAF	PB521	✓	RIN: 7.50	
QC_SIG	PB521	✓	RIN: 7.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
 Modified: 11/30/2020 12:12:34 PM

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

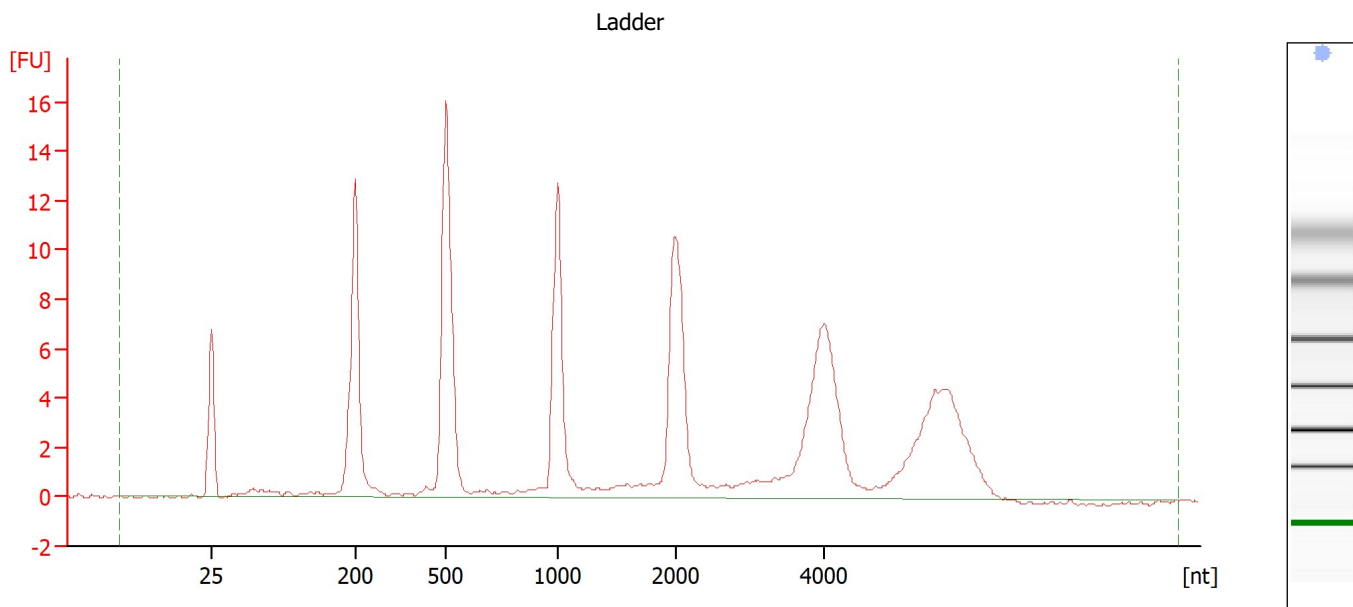
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
Modified: 11/30/2020 12:12:34 PM

Electropherogram Summary



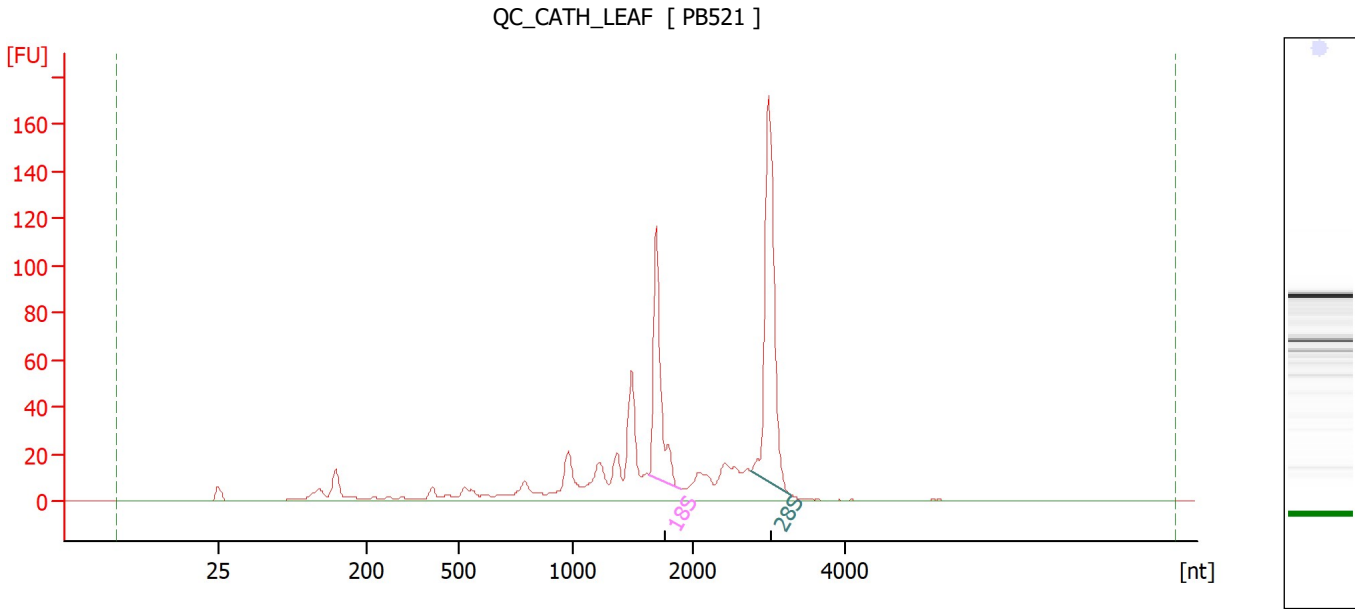
Overall Results for Ladder

RNA Area:	139.0	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
 Modified: 11/30/2020 12:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC_CATH_LEAF

RNA Area:	640.6	RNA Integrity Number (RIN):	7.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	691 ng/μl		
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.70

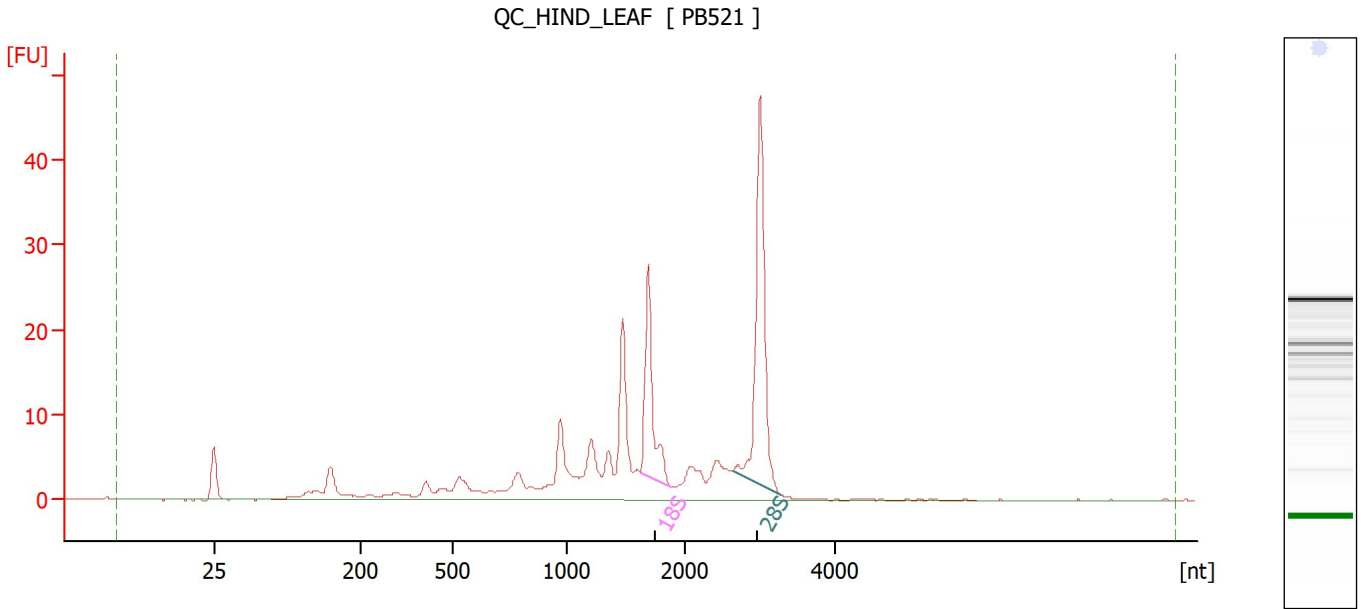
Fragment table for sample 7 : QC_CATH_LEAF

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,633	1,891	94.5	14.8
28S	2,758	3,280	159.0	24.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
 Modified: 11/30/2020 12:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC_HIND_LEAF

RNA Area:	194.2	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	210 ng/μl		
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.50

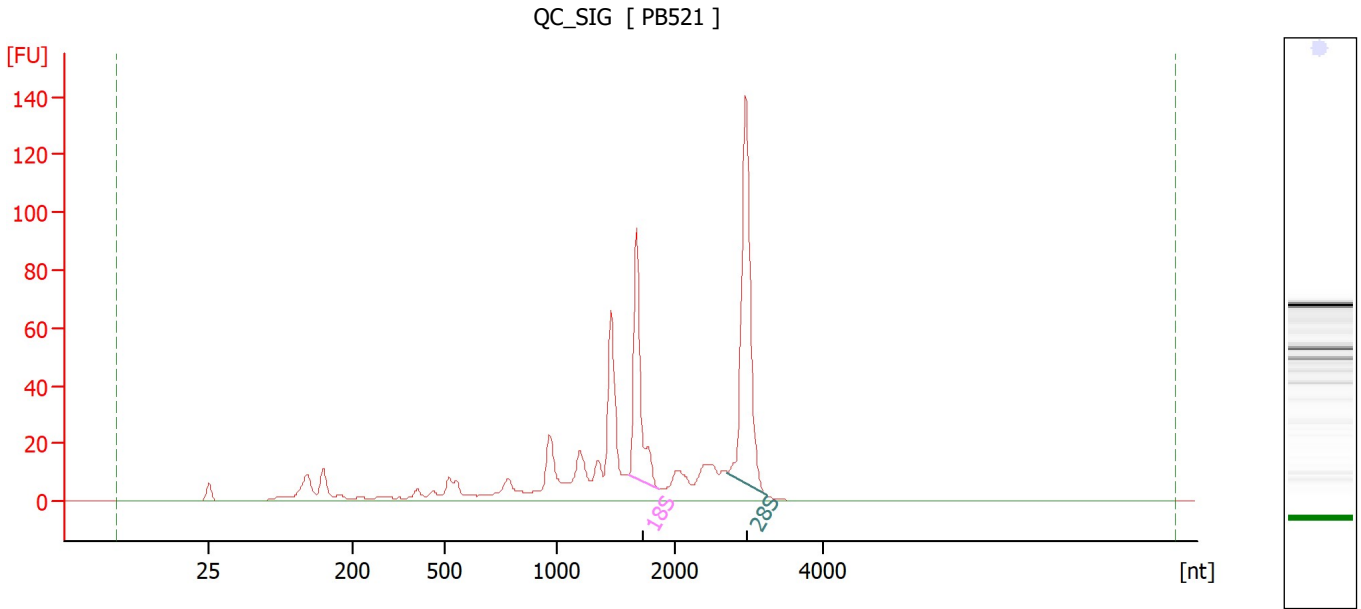
Fragment table for sample 8 : QC_HIND_LEAF

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,627	1,887	22.4	11.5
28S	2,632	3,285	44.1	22.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
 Modified: 11/30/2020 12:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC_SIG

RNA Area:	575.9	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	622 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.50

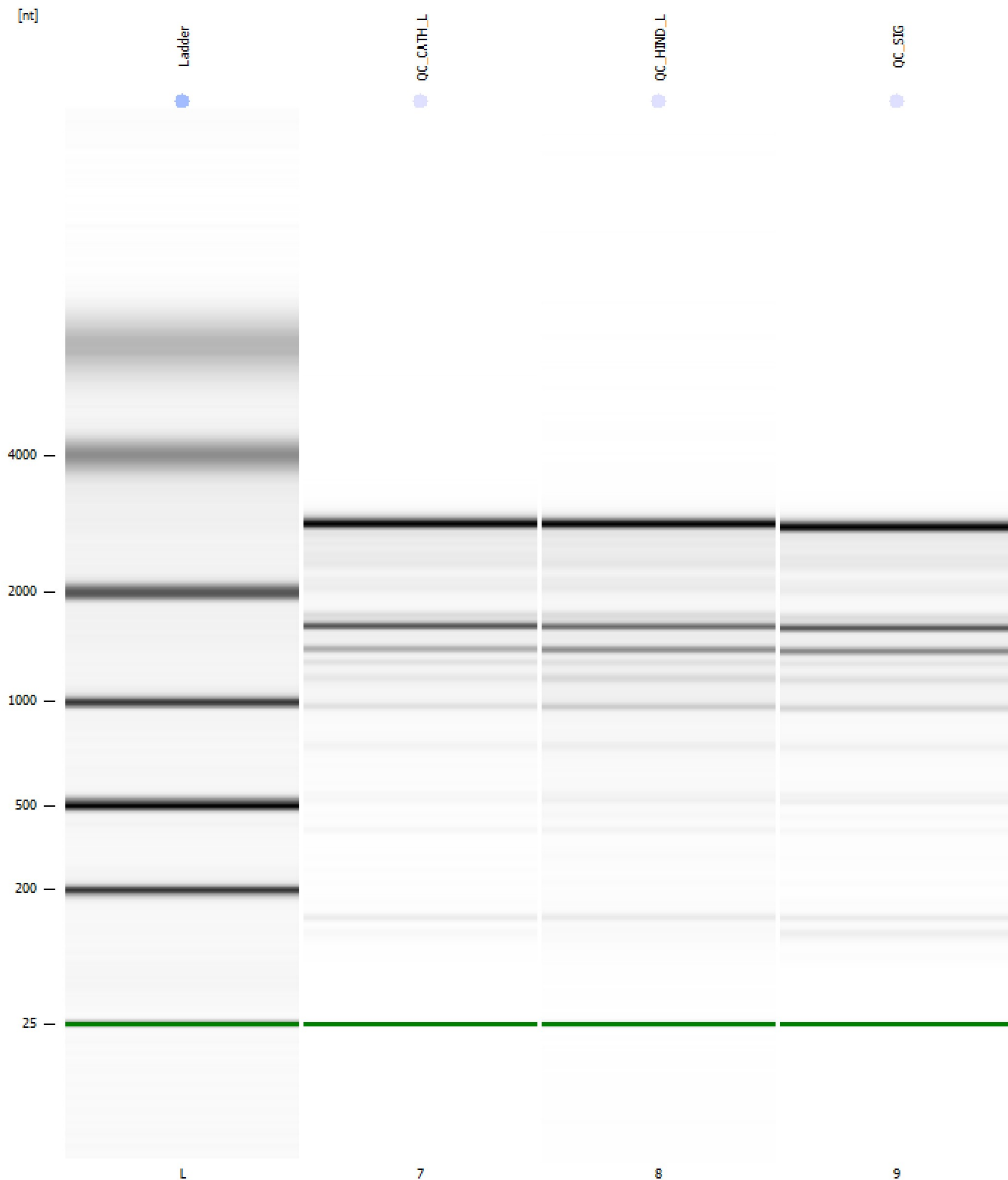
Fragment table for sample 9 : QC_SIG

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	1,864	77.2	13.4
28S	2,704	3,236	131.7	22.9

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
Modified: 11/30/2020 12:12:34 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-11-30_001_PB521.xad

Created: 11/30/2020 11:47:41 AM
 Modified: 11/30/2020 12:12:34 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		11/30/2020 12:10:09 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-11-30\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-30_001.xad)		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB