| Assay Class: | High Sensitivity DNA Assay | | Created: | 12/8/2025 3:26:23 PM |
| Data Path: | C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad | | Modified: | 12/8/2025 4:07:23 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\dsDNA\High Sensitivity DNA.xsy
Assay Class:	High Sensitivity DNA Assay
Version:	1.03
Assay Comments:	Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

110. B17912

111. B18842

112. R10456

113. NC2

114. NC3

115. NC4

116. NC5

117. NC6
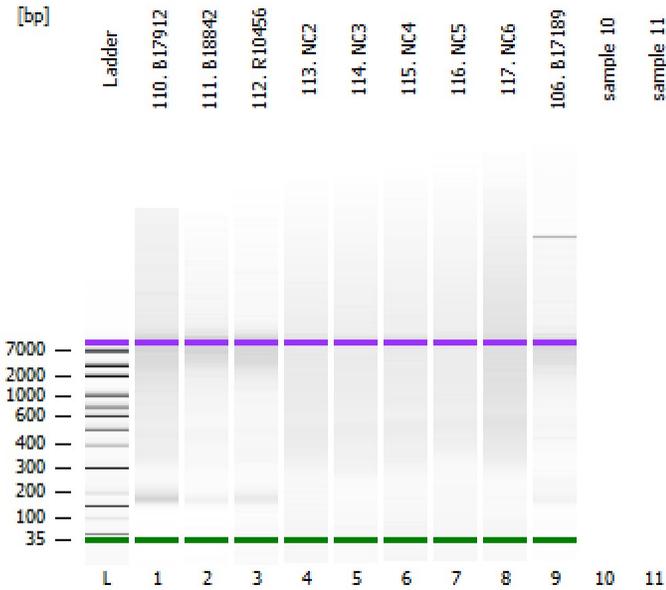

106. B17189

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad

Created: 12/8/2025 3:26:23 PM
Modified: 12/8/2025 4:07:23 PM

Electrophoresis File Run Summary (Chip Summary)
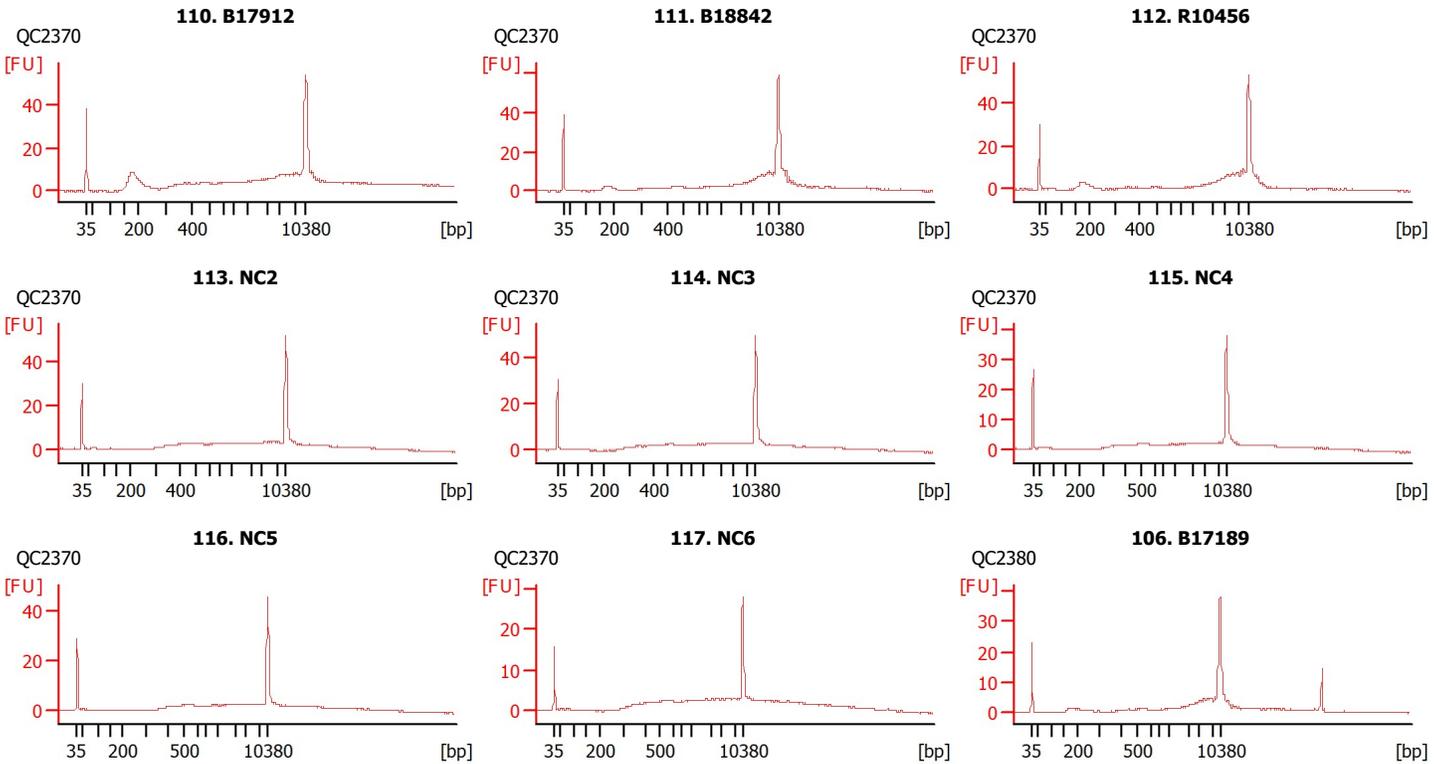
Sample Name	Sample Comment	Rest. Digest	Status Observations	Result Label	Result Color
110. B17912	QC2370	☐	✔		
111. B18842	QC2370	☐	✔		
112. R10456	QC2370	☐	✔		
113. NC2	QC2370	☐	✔		
114. NC3	QC2370	☐	✔		
115. NC4	QC2370	☐	✔		
116. NC5	QC2370	☐	✔		
117. NC6	QC2370	☐	✔		
106. B17189	QC2380	☐	✔		
sample 10		☐			
sample 11		☐			
Ladder		☐	✔		

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class:	High Sensitivity DNA Assay		Created:	12/8/2025 3:26:23 PM
Data Path:	C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad		Modified:	12/8/2025 4:07:23 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/µl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/µl] : 125
Upper Marker Concentration [pg/µl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

## Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class:　　　High Sensitivity DNA Assay　　　　　　　　　　　　　　　　Created:　　12/8/2025 3:26:23 PM
Data Path:　　　　C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad　　Modified:　12/8/2025 4:07:23 PM

Electropherogram Summary
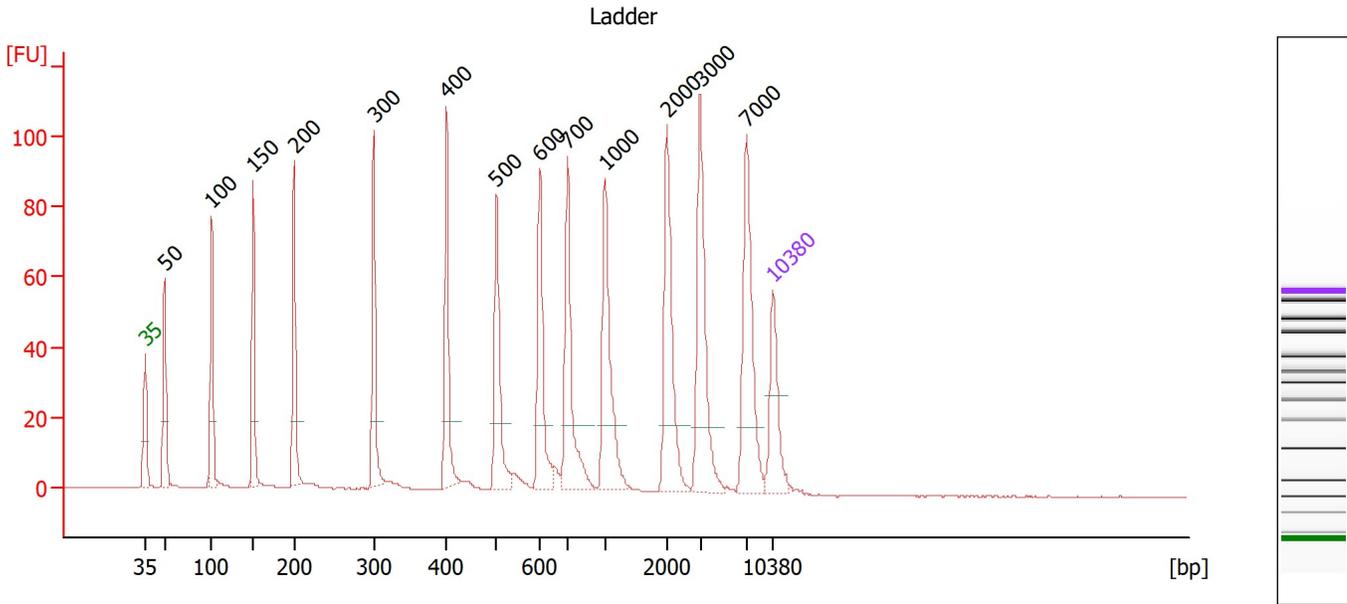
Ladder

Overall Results for Ladder

Noise:　　　　　　　　　　0.1

Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◄	35	125.00	5,411.3	Lower Marker
2	L	50	150.00	4,545.5	Ladder Peak
3	L	100	150.00	2,272.7	Ladder Peak
4	L	150	150.00	1,515.2	Ladder Peak
5	L	200	150.00	1,136.4	Ladder Peak
6	L	300	150.00	757.6	Ladder Peak
7	L	400	150.00	568.2	Ladder Peak
8	L	500	150.00	454.5	Ladder Peak
9	L	600	150.00	378.8	Ladder Peak
10	L	700	150.00	324.7	Ladder Peak
11	L	1,000	150.00	227.3	Ladder Peak
12	L	2,000	150.00	113.6	Ladder Peak
13	L	3,000	150.00	75.8	Ladder Peak
14	L	7,000	150.00	32.5	Ladder Peak
15	▶	10,380	75.00	10.9	Upper Marker

Assay Class:	High Sensitivity DNA Assay	Created:	12/8/2025 3:26:23 PM
Data Path:	C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad	Modified:	12/8/2025 4:07:23 PM

Electropherogram Summary Continued ...

110. B17912 [QC2370]
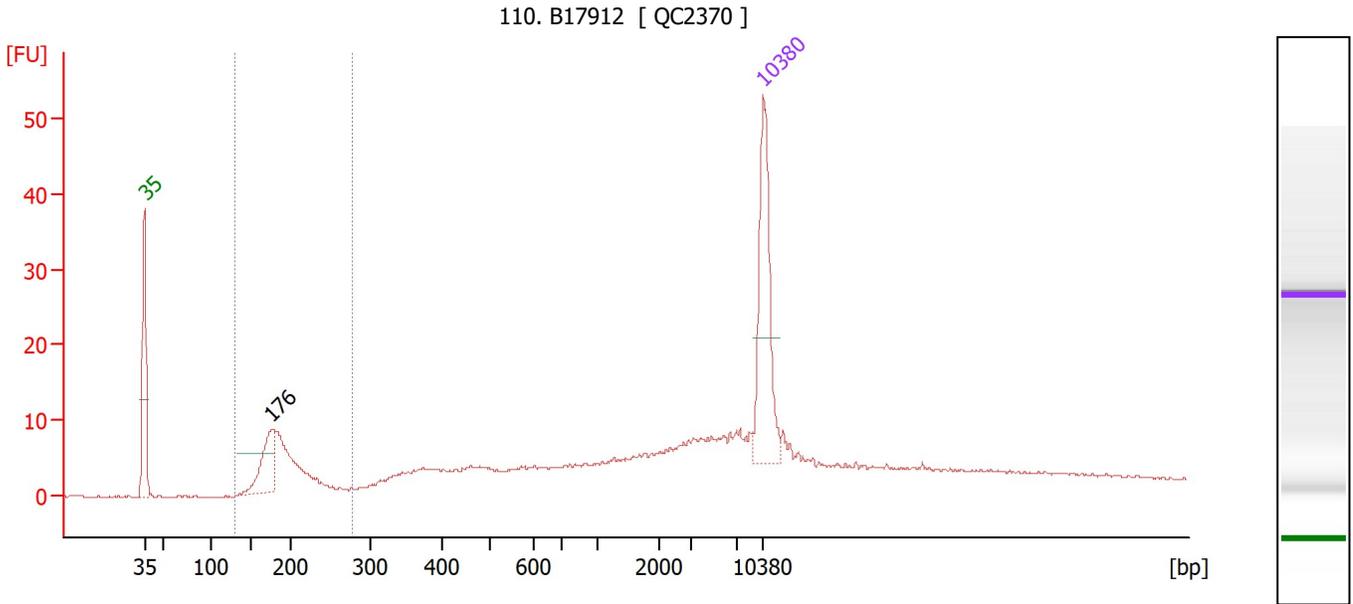
Overall Results for sample 1 :   110. B17912

Number of peaks found:	1	Corr. Area 1:	58.1
Noise:	0.1		

Peak table for sample 1 :   110. B17912

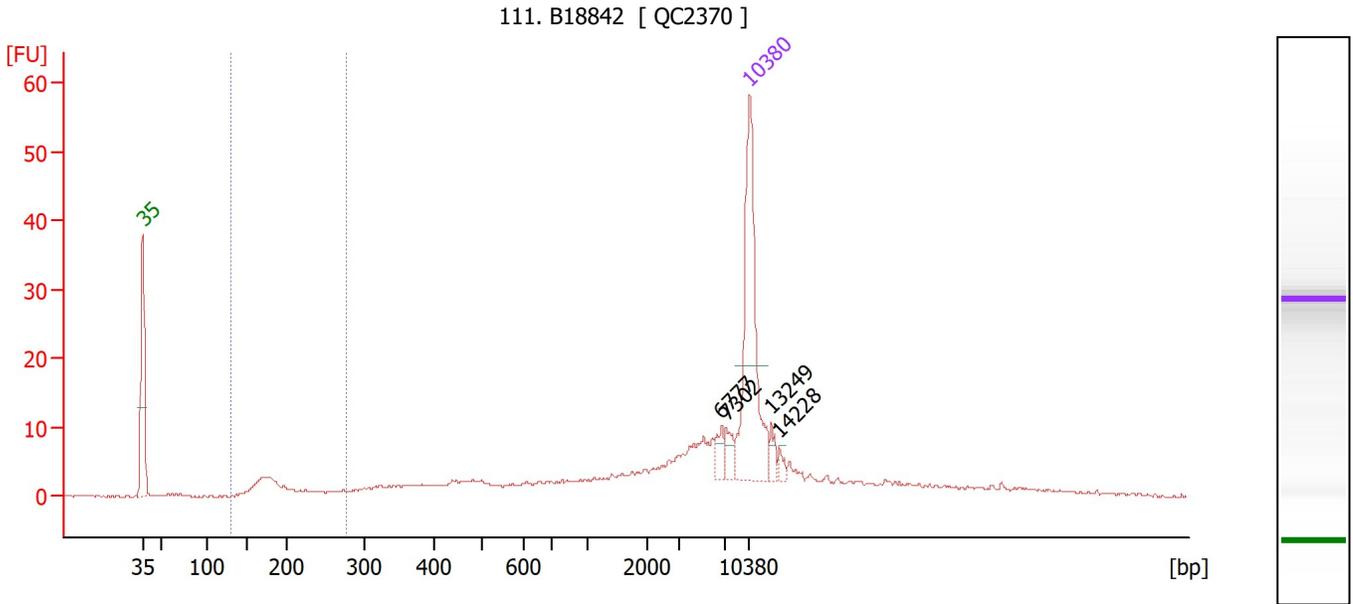| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◄	35	125.00	5,411.3	Lower Marker
2		176	52.98	456.7	
3	▶	10,380	75.00	10.9	Upper Marker

Region table for sample 1 :   110. B17912

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	58.1	21	191	12.9	135.27	1,088.9	■

Electropherogram Summary Continued ...

111. B18842 [QC2370]

Overall Results for sample 2 :   111. B18842

Number of peaks found:	4
Noise:	0.2

Corr. Area 1:	22.8

Peak table for sample 2 :   111. B18842

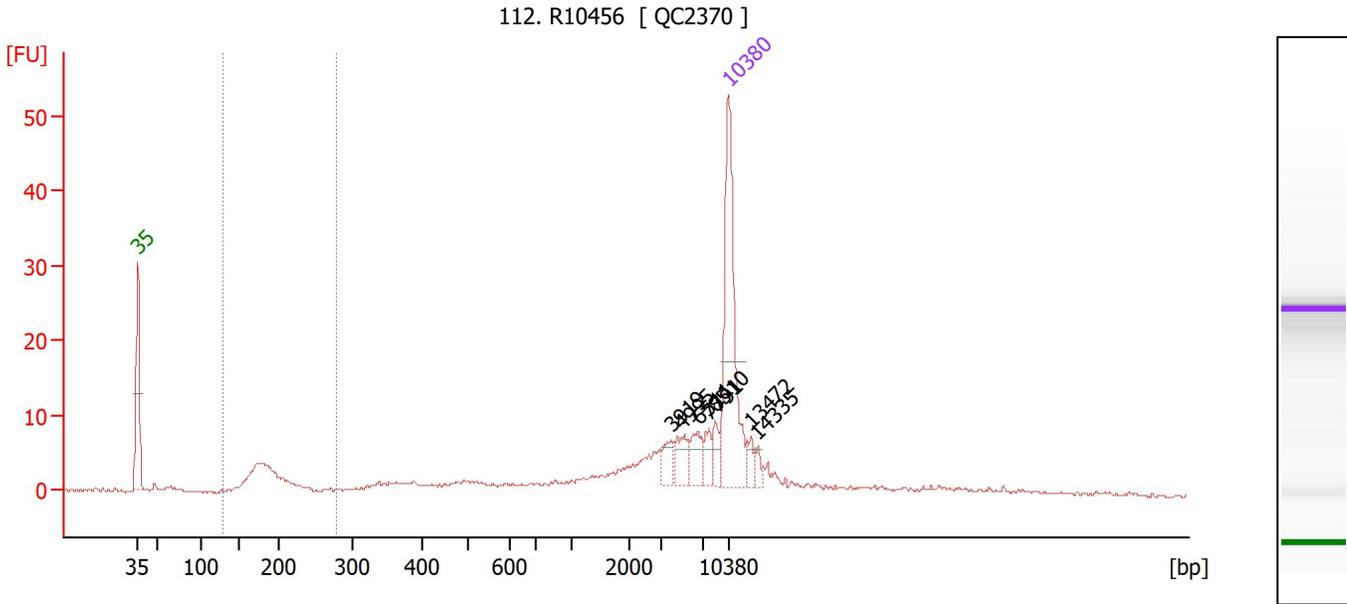| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◄	35	125.00	5,411.3	Lower Marker
2		6,777	6.61	1.5	
3		7,302	7.01	1.5	
4	▶🔒	10,380	75.00	10.9	Upper Marker
5		13,249	0.00	0.0	
6		14,228	0.00	0.0	

Region table for sample 2 :   111. B18842

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	22.8	11	195	18.1	43.07	346.3	🟦

Assay Class:	High Sensitivity DNA Assay
Data Path:	C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad

Created: 12/8/2025 3:26:23 PM
Modified: 12/8/2025 4:07:23 PM

Electropherogram Summary Continued ...

112. R10456 [QC2370]

Overall Results for sample 3 :   __112. R10456__

Number of peaks found:	7	Corr. Area 1:	26.2
Noise:	0.2		

Peak table for sample 3 :   __112. R10456__

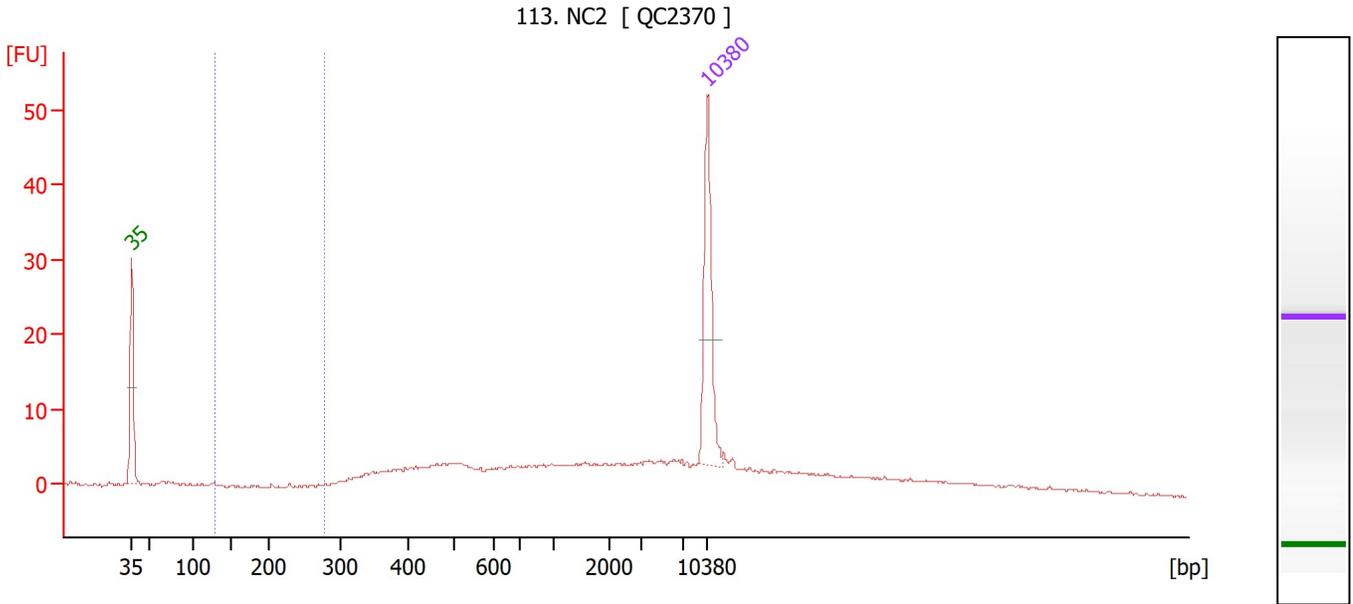| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◄	35	125.00	5,411.3	Lower Marker
2		3,919	9.49	3.7	
3		4,995	12.46	3.8	
4		6,511	11.96	2.8	
5		7,791	8.39	1.6	
6		8,510	8.22	1.5	
7	▶🔒	10,380	75.00	10.9	Upper Marker
8		13,472	0.00	0.0	
9		14,335	0.00	0.0	

Region table for sample 3 :   __112. R10456__

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	26.2	15	189	13.3	60.10	491.2	■

Assay Class: High Sensitivity DNA Assay   Created: 12/8/2025 3:26:23 PM
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad   Modified: 12/8/2025 4:07:23 PM

Electropherogram Summary Continued ...

113. NC2 [QC2370]

Overall Results for sample 4 :   113. NC2

Number of peaks found:	0	Corr. Area 1:	0.9
Noise:	0.1		

Peak table for sample 4 :   113. NC2

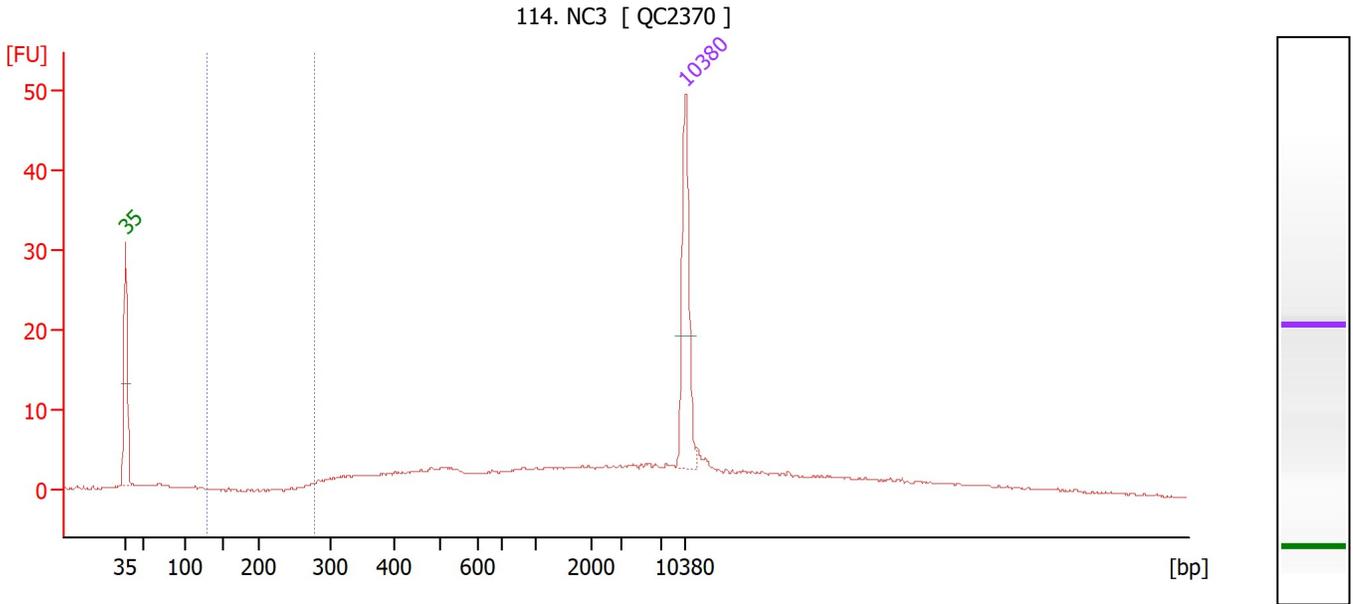| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◄	35	125.00	5,411.3	Lower Marker
2	▶🔒	10,380	75.00	10.9	Upper Marker

Region table for sample 4 :   113. NC2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	0.9	0	228	22.6	2.62	19.0	🟦

Assay Class: High Sensitivity DNA Assay   Created: 12/8/2025 3:26:23 PM
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad   Modified: 12/8/2025 4:07:23 PM

Electropherogram Summary Continued ...

114. NC3 [QC2370]

Overall Results for sample 5 :   114. NC3

Number of peaks found:	0	Corr. Area 1:	3.4
Noise:	0.2		

Peak table for sample 5 :   114. NC3

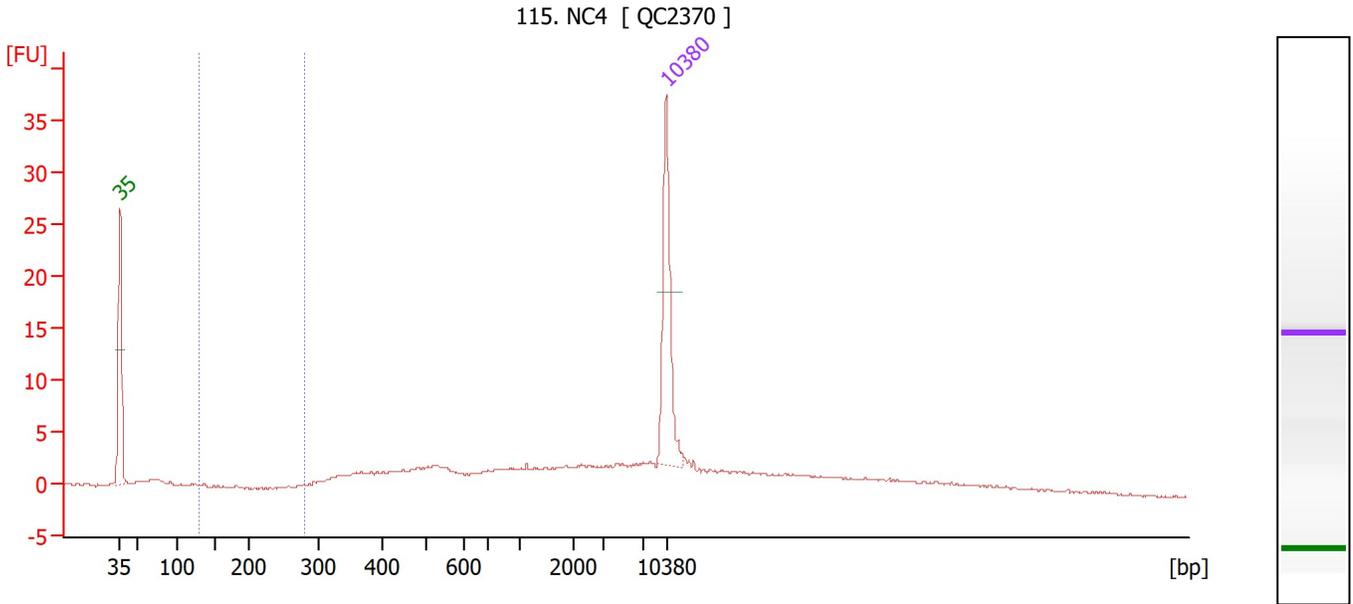| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀🔒	35	125.00	5,411.3	Lower Marker
2	▶🔒	10,380	75.00	10.9	Upper Marker

Region table for sample 5 :   114. NC3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	3.4	2	237	18.6	10.75	73.7	🟦

Assay Class: High Sensitivity DNA Assay   Created: 12/8/2025 3:26:23 PM
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad   Modified: 12/8/2025 4:07:23 PM

Electropherogram Summary Continued ...

115. NC4 [QC2370]

Overall Results for sample 6 :   115. NC4

Number of peaks found:	0	Corr. Area 1:	0.9
Noise:	0.1		

Peak table for sample 6 :   115. NC4

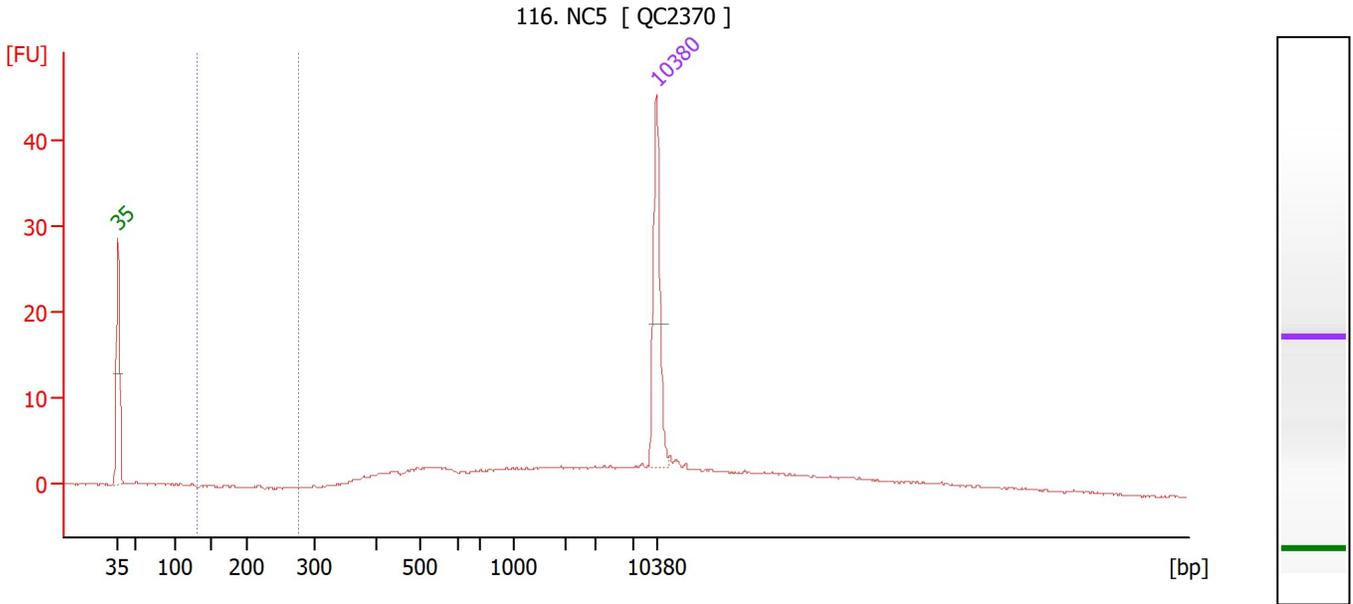| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		10,380	75.00	10.9	Upper Marker

Region table for sample 6 :   115. NC4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	0.9	1	208	28.6	3.64	30.3	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad

Created: 12/8/2025 3:26:23 PM
Modified: 12/8/2025 4:07:23 PM

Electropherogram Summary Continued ...

116. NC5 [QC2370]

Overall Results for sample 7 :   116. NC5

Number of peaks found:	0	Corr. Area 1:	0.0
Noise:	0.1		

Peak table for sample 7 :   116. NC5

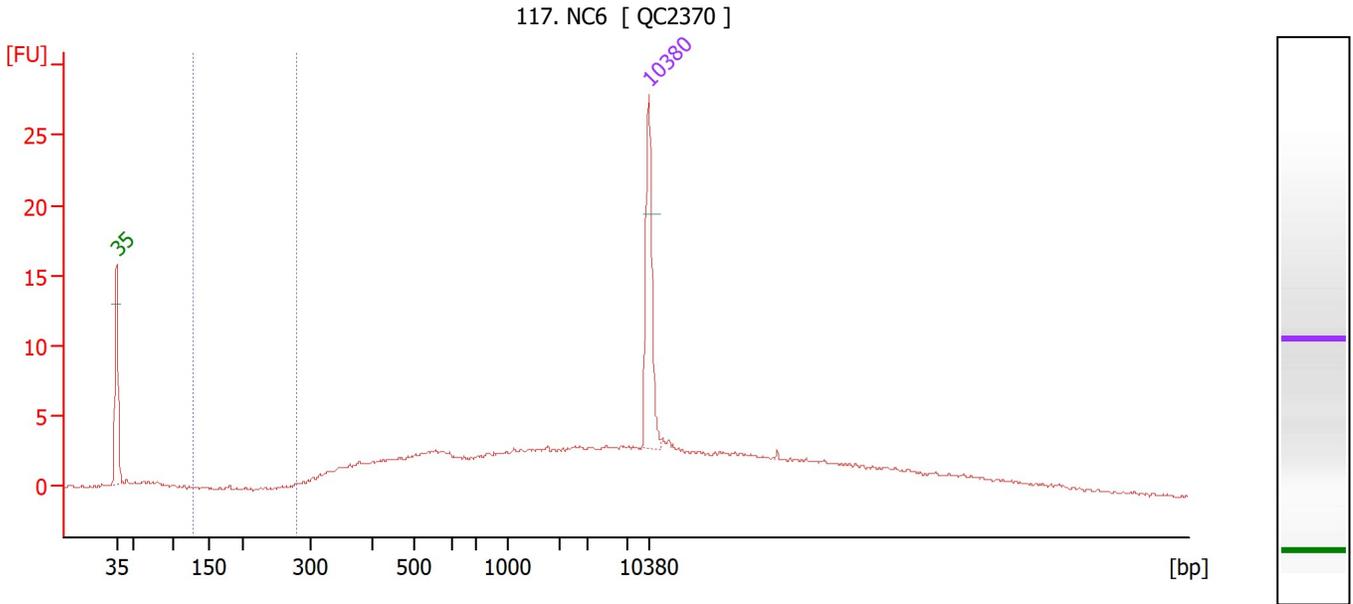| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		10,380	75.00	10.9	Upper Marker

Region table for sample 7 :   116. NC5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	0.0	0	199	12.0	0.16	1.2	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad

Created: 12/8/2025 3:26:23 PM
Modified: 12/8/2025 4:07:23 PM

Electropherogram Summary Continued ...

117. NC6 [QC2370]

Overall Results for sample 8 :   117. NC6

Number of peaks found:	0	Corr. Area 1:	0.4
Noise:	0.1		

Peak table for sample 8 :   117. NC6

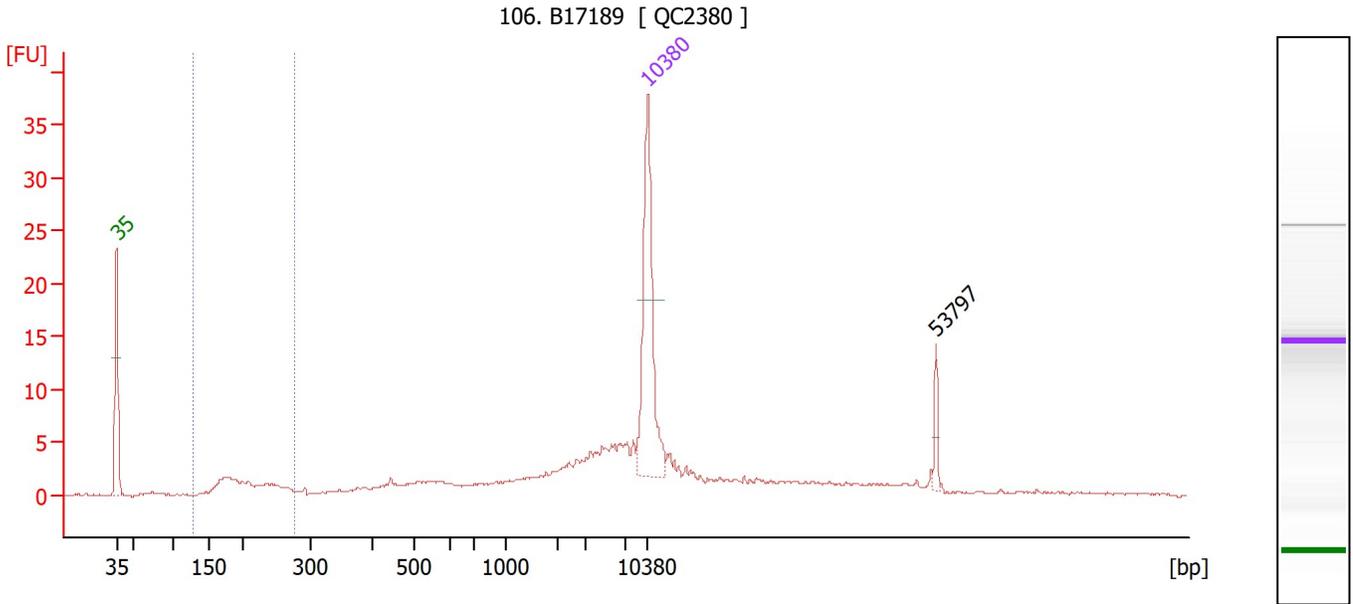| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	🔒	35	125.00	5,411.3	Lower Marker
2	🔒	10,380	75.00	10.9	Upper Marker

Region table for sample 8 :   117. NC6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	0.4	0	244	17.4	2.37	15.7	🟦

Electropherogram Summary Continued ...

106. B17189 [QC2380]

Overall Results for sample 9 :   106. B17189

Number of peaks found:	1	Corr. Area 1:	18.1
Noise:	0.1		

Peak table for sample 9 :   106. B17189

| Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◄🔒	35	125.00	5,411.3	Lower Marker
2	►🔒	10,380	75.00	10.9	Upper Marker
3		53,797	0.00	0.0	

Region table for sample 9 :   106. B17189

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
129	278	18.1	13	206	16.8	57.72	438.7	🟦

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad
Gel Image

Created: 12/8/2025 3:26:23 PM
Modified: 12/8/2025 4:07:23 PM
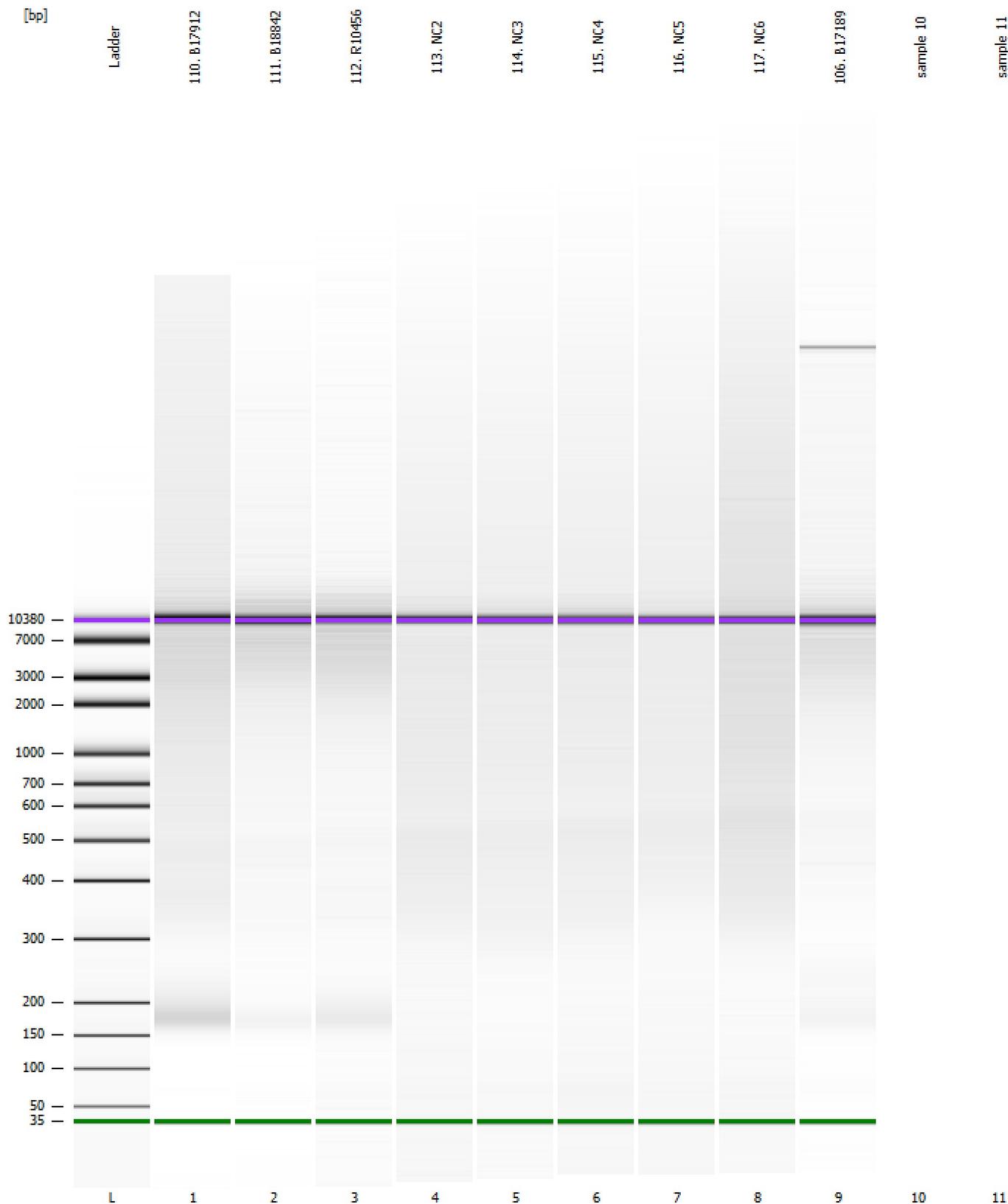
Assay Class:	High Sensitivity DNA Assay	Created:	12/8/2025 3:26:23 PM
Data Path:	C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad	Modified:	12/8/2025 4:07:23 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

| Assay Class: | High Sensitivity DNA Assay | | Created: | 12/8/2025 3:26:23 PM |
| Data Path: | C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad | | Modified: | 12/8/2025 4:07:23 PM |

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		12/8/2025 4:02:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-12-08\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-12-08_005.xad)		Instrument	Run		12/8/2025 3:26:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/8/2025 3:26:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/8/2025 3:26:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/8/2025 3:26:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/8/2025 3:26:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/8/2025 3:26:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/8/2025 3:26:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB