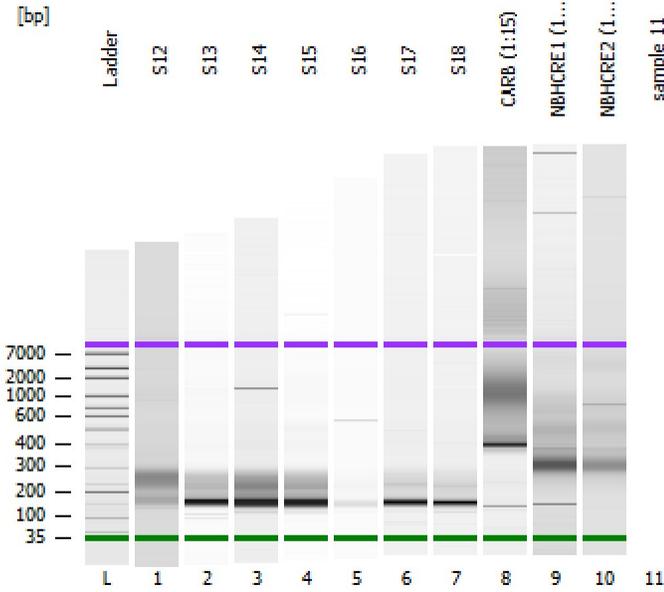


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electrophoresis File Run Summary



Instrument Information:

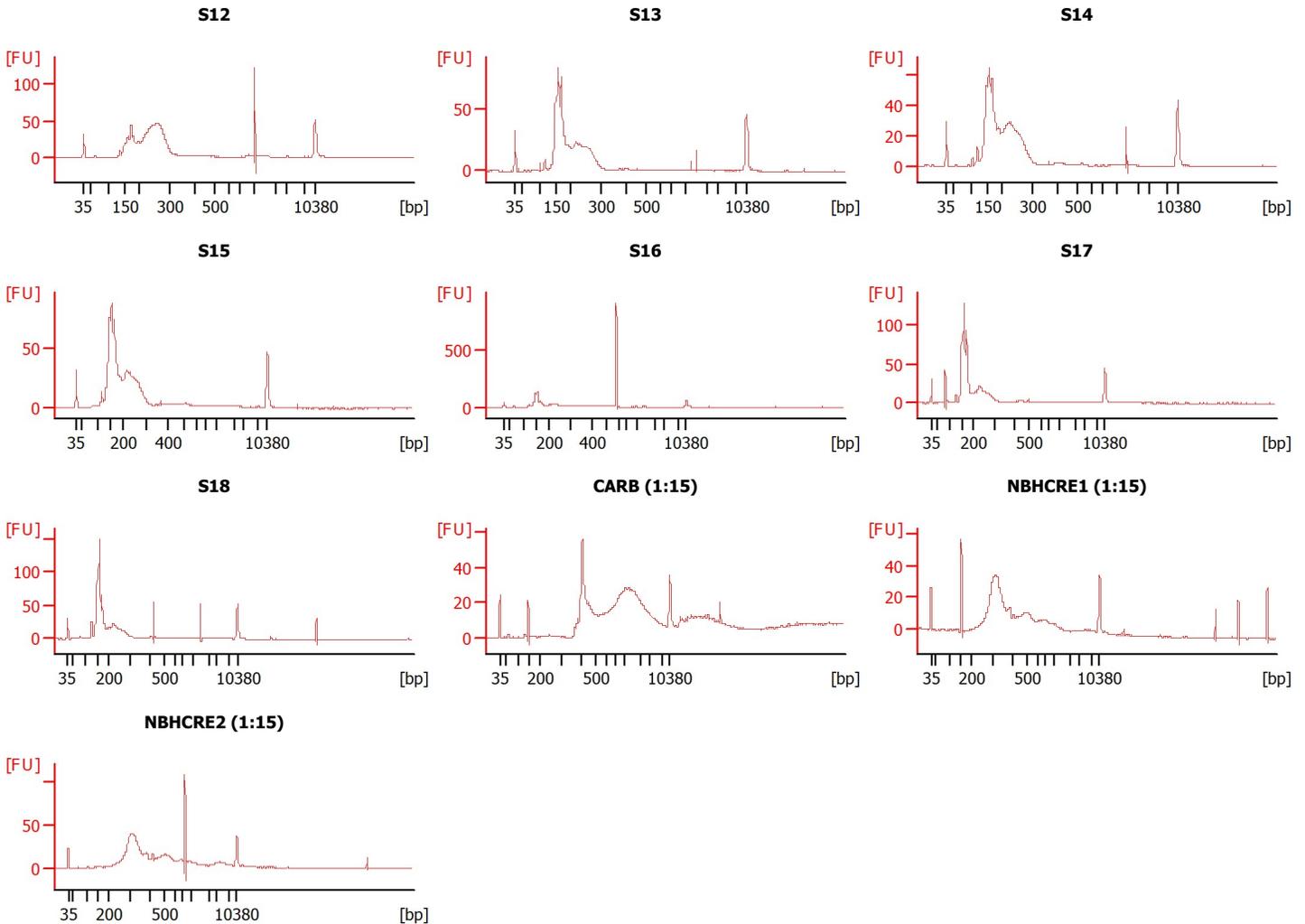
Instrument Name: DE34903152 Firmware: C.01.069
 Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
S12		<input type="checkbox"/>		✓		
S13		<input type="checkbox"/>		✓		
S14		<input type="checkbox"/>		✓		
S15		<input type="checkbox"/>		✓		
S16		<input type="checkbox"/>		✓		
S17		<input type="checkbox"/>		✓		
S18		<input type="checkbox"/>		✓		
CARB (1:15)		<input type="checkbox"/>		✓		
NBHCRE1 (1:15)		<input type="checkbox"/>		✓		
NBHCRE2 (1:15)		<input type="checkbox"/>		✓		
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 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

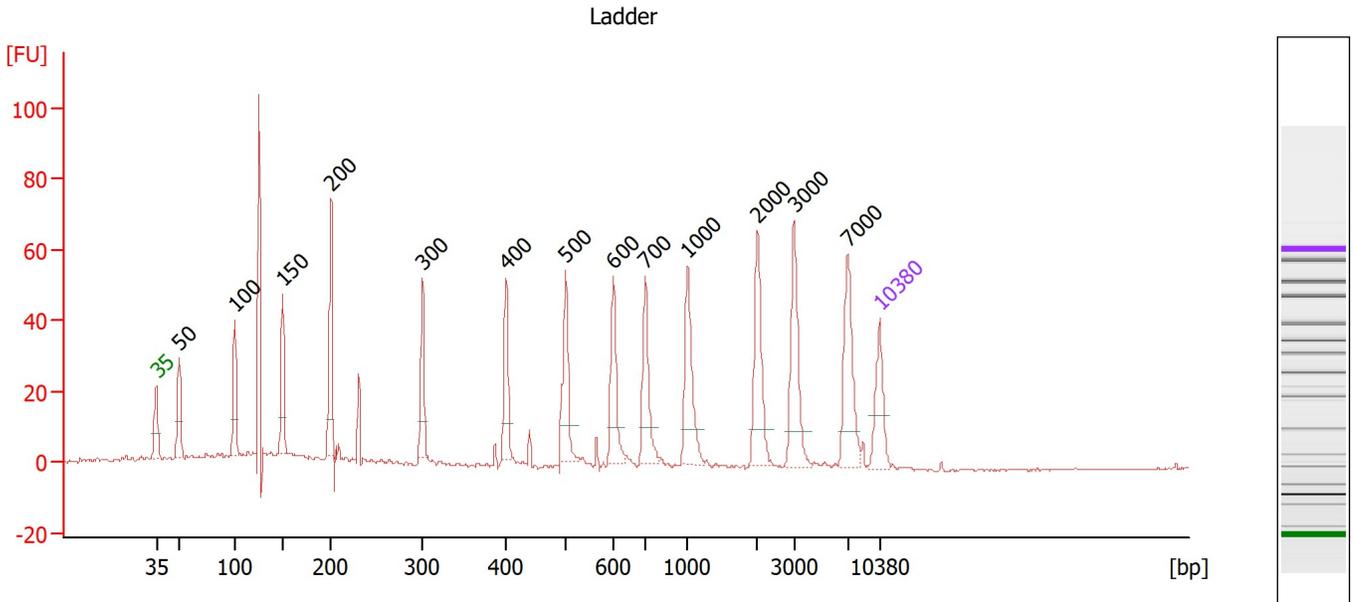
Ladder

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
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

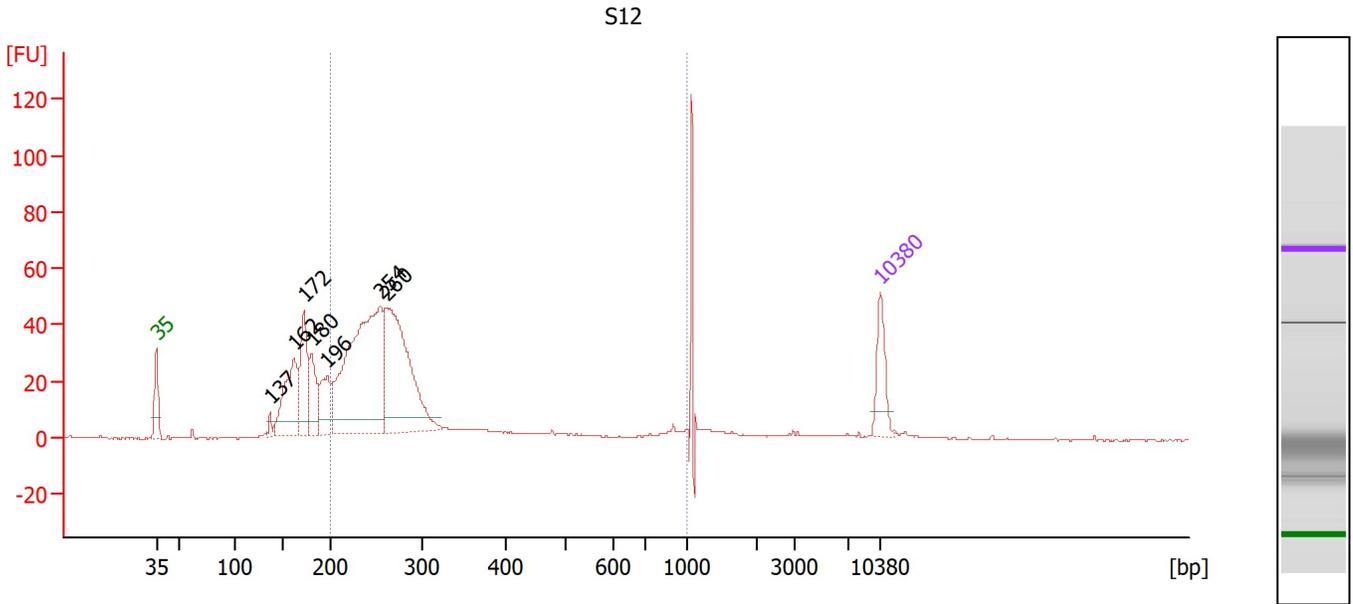
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : S12

Number of peaks found: 7 Corr. Area 1: 538.8
 Noise: 0.2

Peak table for sample 1 : S12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	20.82	230.9	
3	162	251.14	2,345.8	
4	172	197.37	1,741.8	
5	180	120.98	1,018.5	
6	196	127.25	983.9	
7	254	786.20	4,693.6	
8	260	576.68	3,360.1	
9	10,380	75.00	10.9	Upper Marker

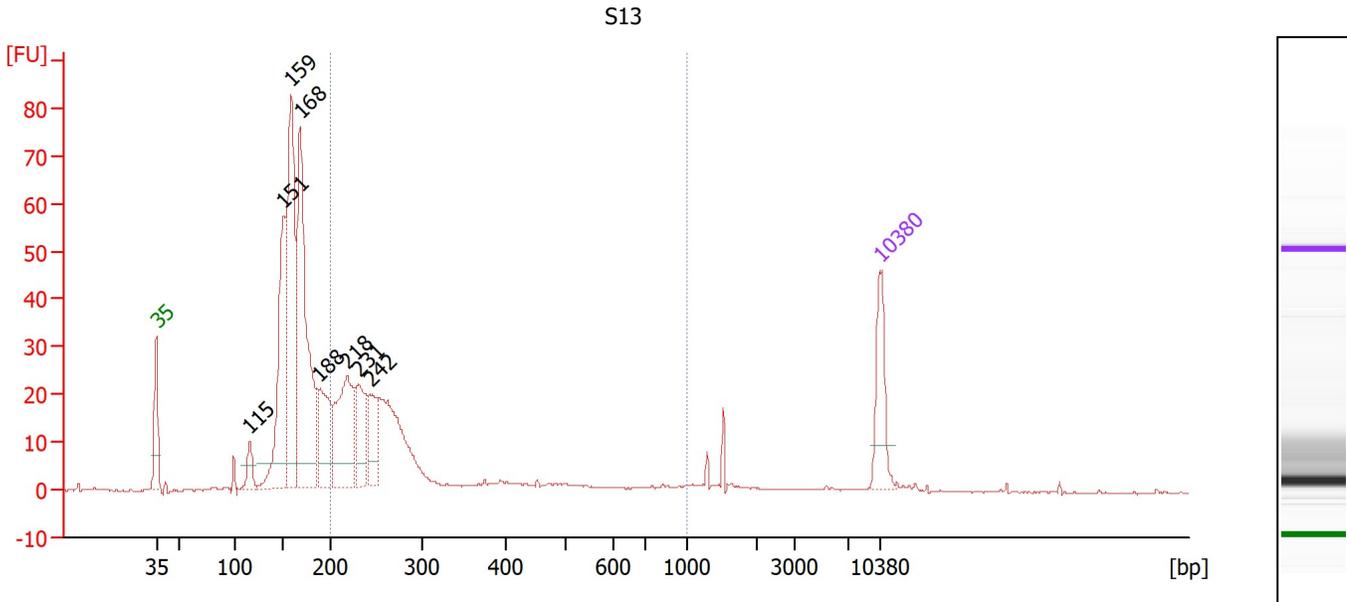
Region table for sample 1 : S12

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	538.8	65	287	41.0	1,664.92	9,616.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : S13

Number of peaks found: 8 Corr. Area 1: 269.0
 Noise: 0.1

Peak table for sample 2 : S13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	115	40.89	537.1	
3	151	319.90	3,208.7	
4	159	433.89	4,135.4	
5	168	496.31	4,473.3	
6	188	156.55	1,264.4	
7	218	224.12	1,559.6	
8	231	106.54	700.1	
9	242	90.27	564.9	
10	10,380	75.00	10.9	Upper Marker

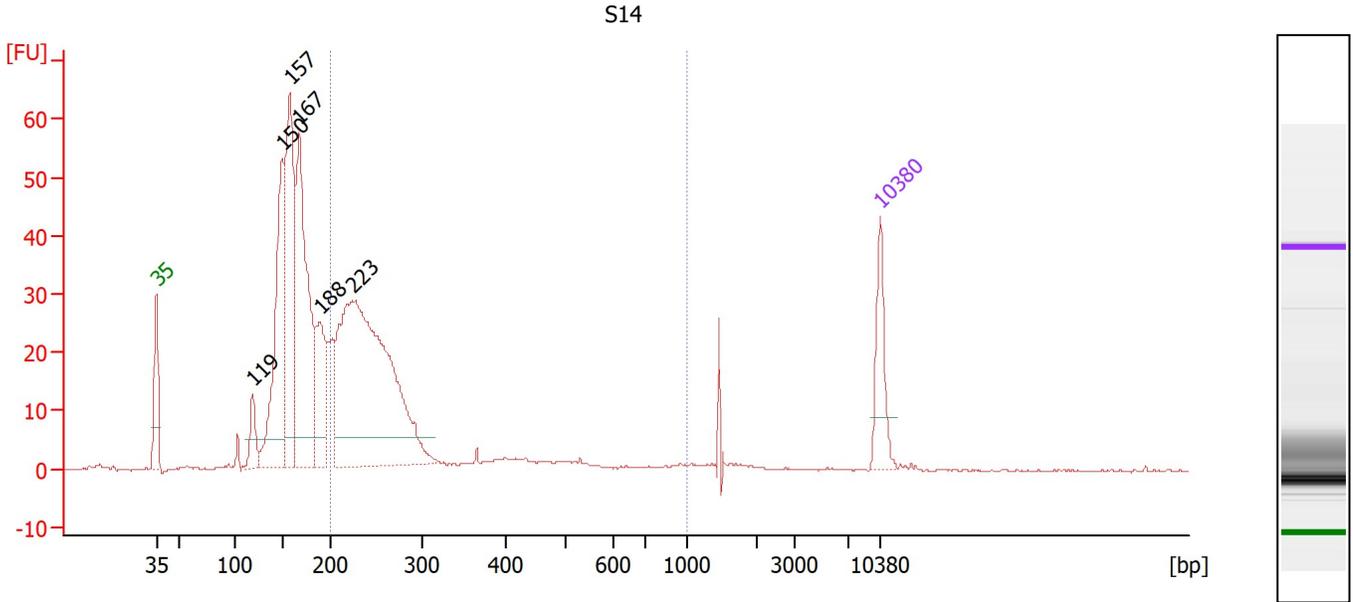
Region table for sample 2 : S13

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	269.0	38	289	43.4	866.76	5,114.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : S14

Number of peaks found: 6 Corr. Area 1: 295.4
 Noise: 0.2

Peak table for sample 3 : S14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	119	63.49	808.1	
3	150	385.83	3,904.1	
4	157	408.42	3,933.4	
5	167	519.55	4,701.4	
6	188	169.19	1,361.4	
7	223	954.31	6,484.5	
8	10,380	75.00	10.9	Upper Marker

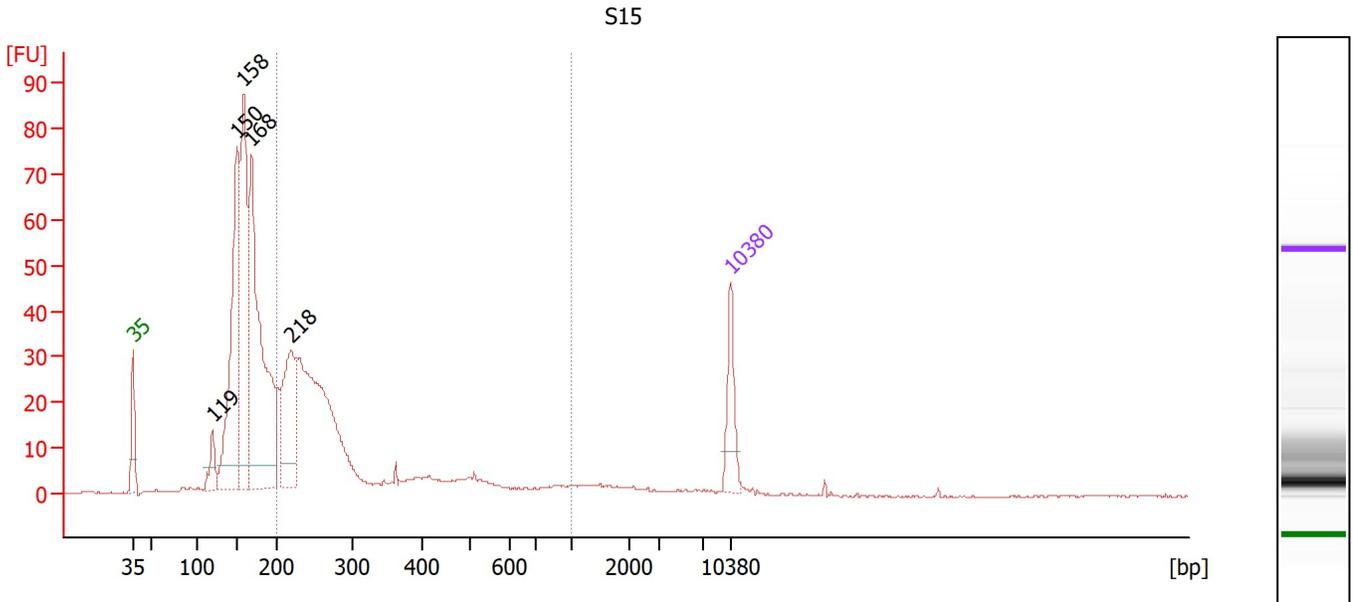
Region table for sample 3 : S14

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	295.4	42	270	36.0	1,093.22	6,611.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : S15

Number of peaks found: 5 Corr. Area 1: 361.8
 Noise: 0.2

Peak table for sample 4 : S15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	119	67.81	864.3	
3	150	574.04	5,805.9	
4	158	487.57	4,682.0	
5	168	744.45	6,724.0	
6	218	268.14	1,864.8	
7	10,380	75.00	10.9	Upper Marker

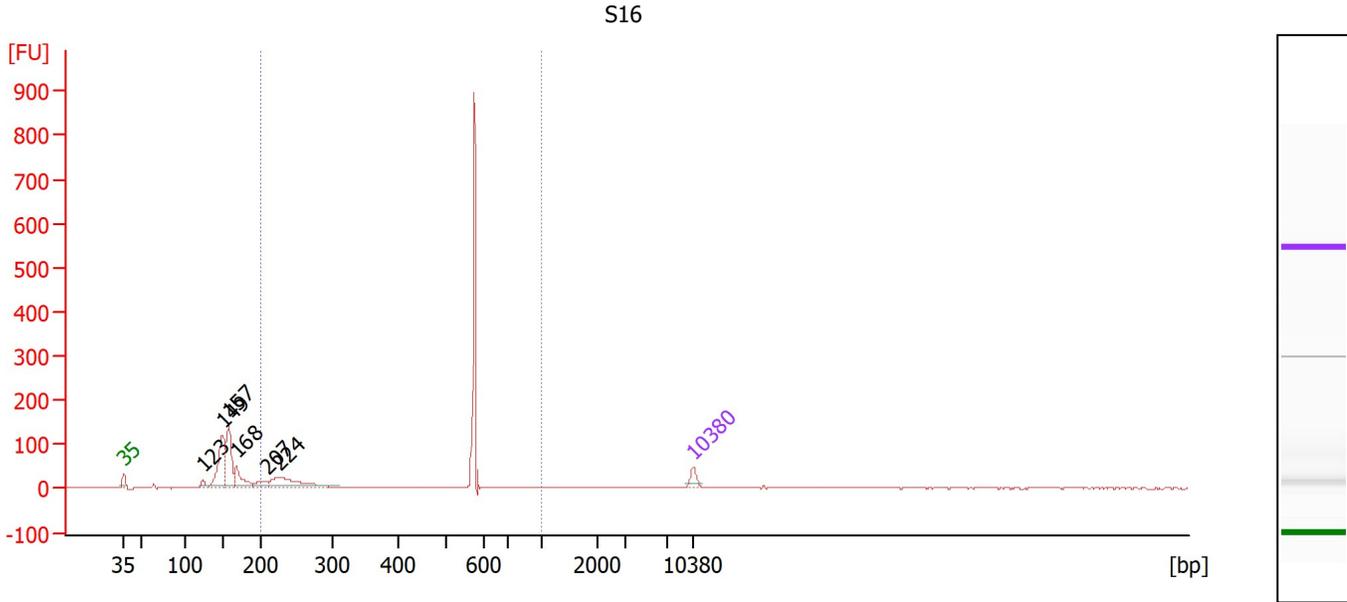
Region table for sample 4 : S15

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	361.8	40	304	44.6	1,213.97	6,982.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : S16

Number of peaks found: 6 Corr. Area 1: 545.8
 Noise: 0.2

Peak table for sample 5 : S16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	123	79.00	973.4	
3	149	745.73	7,582.2	
4	157	611.40	5,886.0	
5	168	311.88	2,815.7	
6	207	147.33	1,077.4	
7	224	498.76	3,372.6	
8	10,380	75.00	10.9	Upper Marker

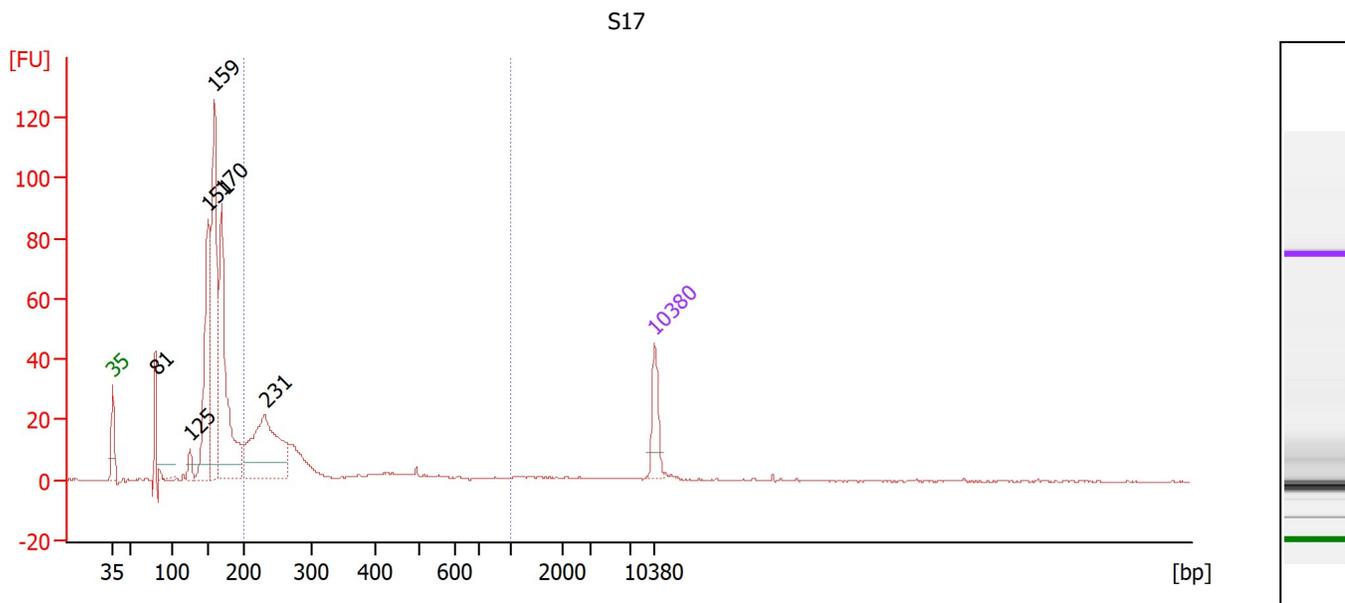
Region table for sample 5 : S16

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	545.8	51	474	32.9	1,551.35	6,476.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : S17

Number of peaks found: 6 Corr. Area 1: 204.5
 Noise: 0.1

Peak table for sample 6 : S17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	28.15	525.9	
3	125	43.92	530.5	
4	151	475.72	4,762.1	
5	159	656.88	6,243.3	
6	170	591.60	5,283.1	
7	231	447.83	2,933.1	
8	10,380	75.00	10.9	Upper Marker

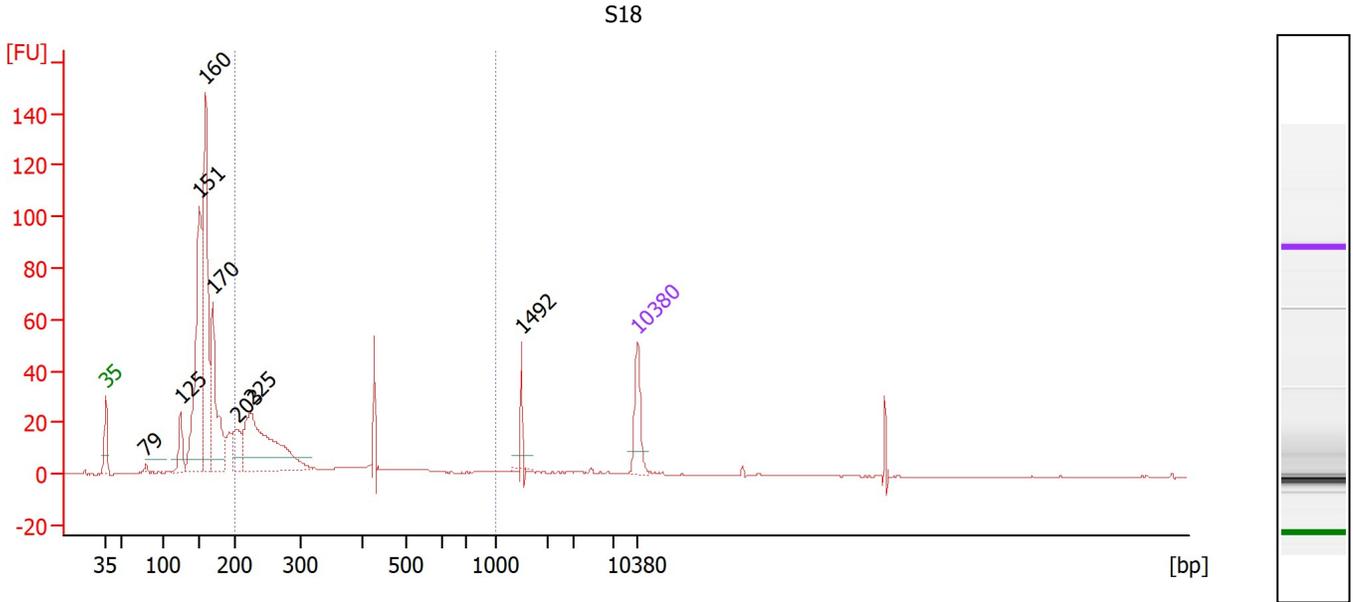
Region table for sample 6 : S17

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	204.5	29	297	42.3	703.32	4,065.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
 Modified: 1/23/2026 2:06:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : S18

Number of peaks found: 8 Corr. Area 1: 255.8
 Noise: 0.1

Peak table for sample 7 : S18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	79	4.92	94.7	
3	125	92.23	1,116.9	
4	151	601.04	6,011.4	
5	160	638.33	6,028.5	
6	170	334.20	2,976.4	
7	203	100.67	751.1	
8	225	472.08	3,177.7	
9	1,492	26.49	26.9	
10	10,380	75.00	10.9	Upper Marker

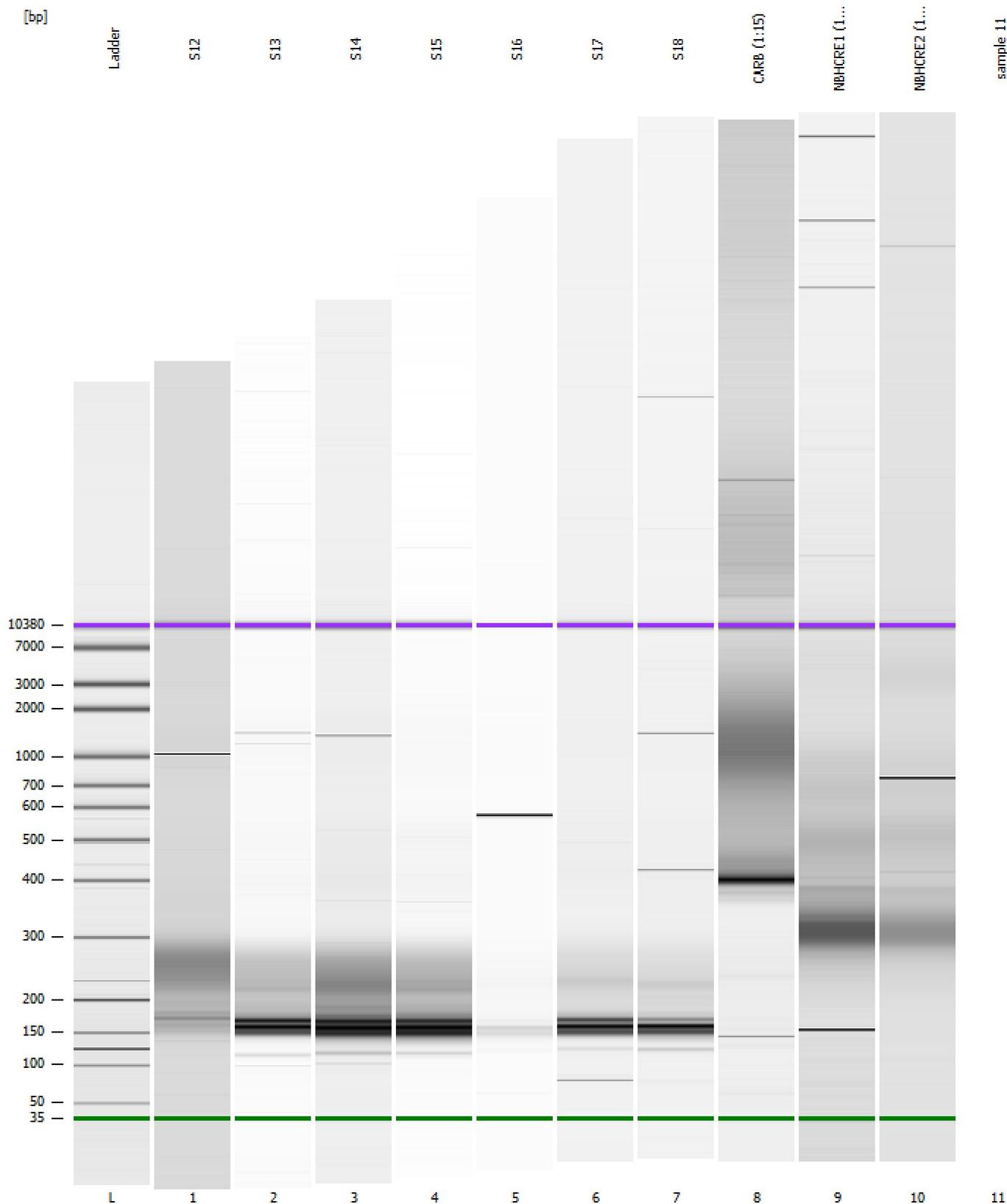
Region table for sample 7 : S18

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	255.8	32	317	43.0	804.67	4,497.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad

Created: 1/23/2026 1:27:32 PM
Modified: 1/23/2026 2:06:25 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 1/23/2026 1:27:32 PM
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad Modified: 1/23/2026 2:06:25 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		1/23/2026 2:05:57 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\2026-01-23\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2026-01-23_003.xad)		Instrument	Run		1/23/2026 1:27:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/23/2026 1:27:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/23/2026 1:27:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/23/2026 1:27:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/23/2026 1:27:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/23/2026 1:27:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/23/2026 1:27:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB