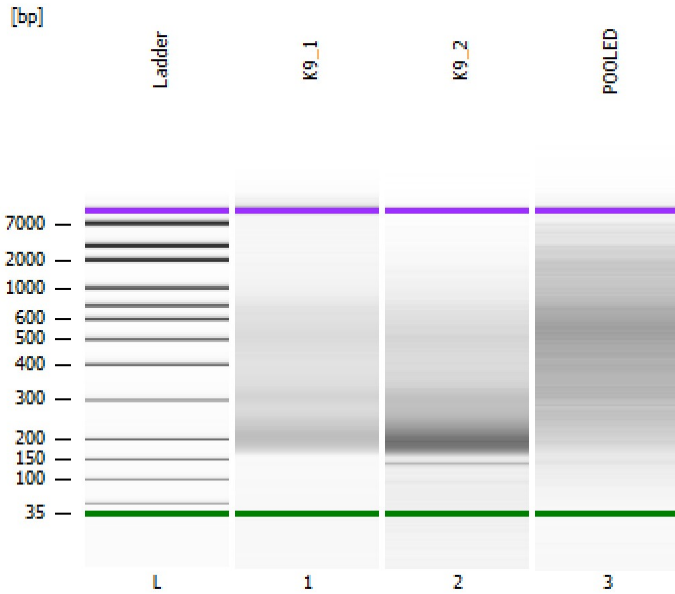


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
Modified: 2/2/2023 3:24:25 PM

Electrophoresis File Run Summary



Instrument Information:

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

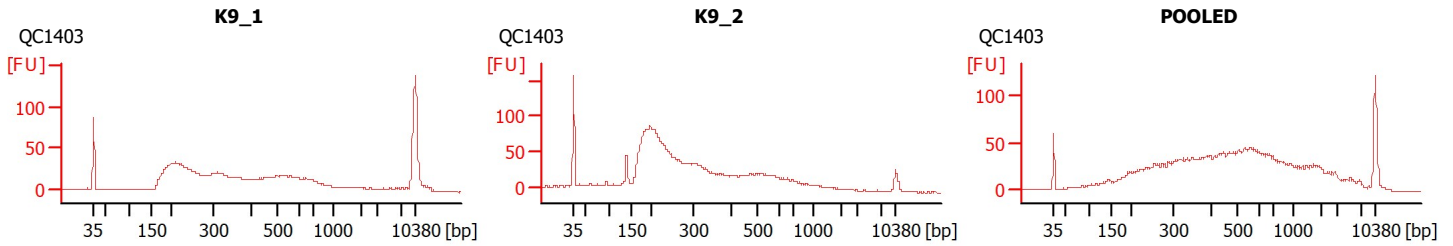
Assay Information:

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:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
 Modified: 2/2/2023 3:24:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
K9_1	QC1403	<input type="checkbox"/>		✓		
K9_2	QC1403	<input type="checkbox"/>		✓		
POOLED	QC1403	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
Modified: 2/2/2023 3:24:25 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

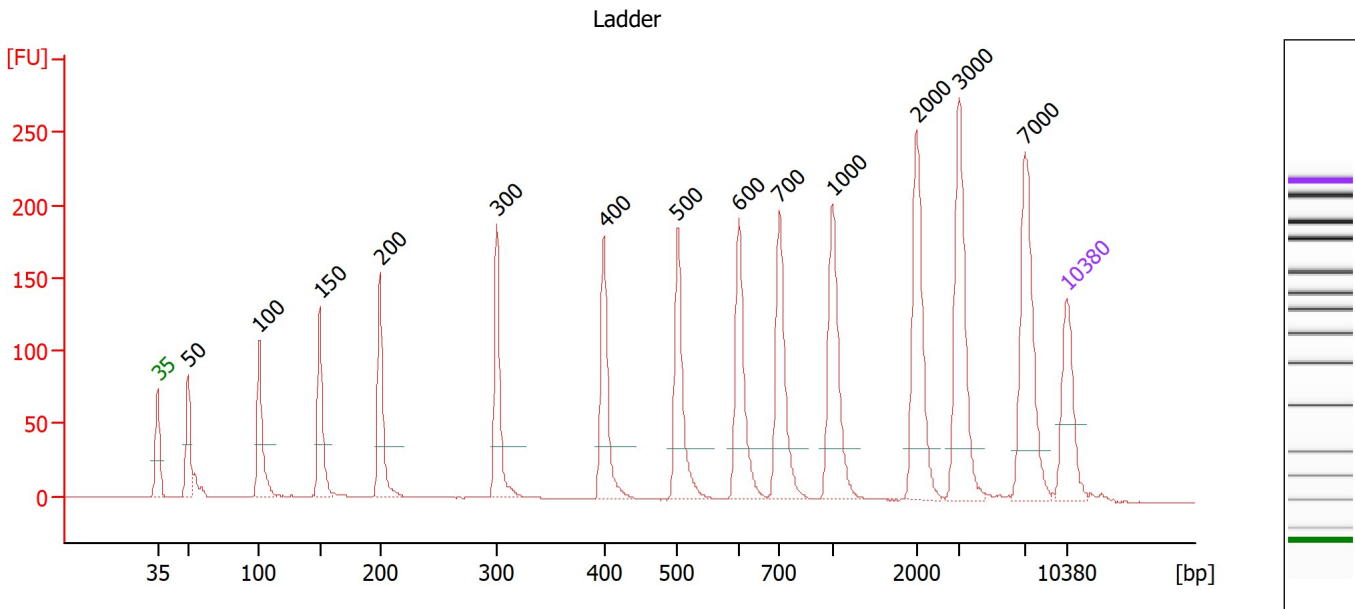
Ladder

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:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

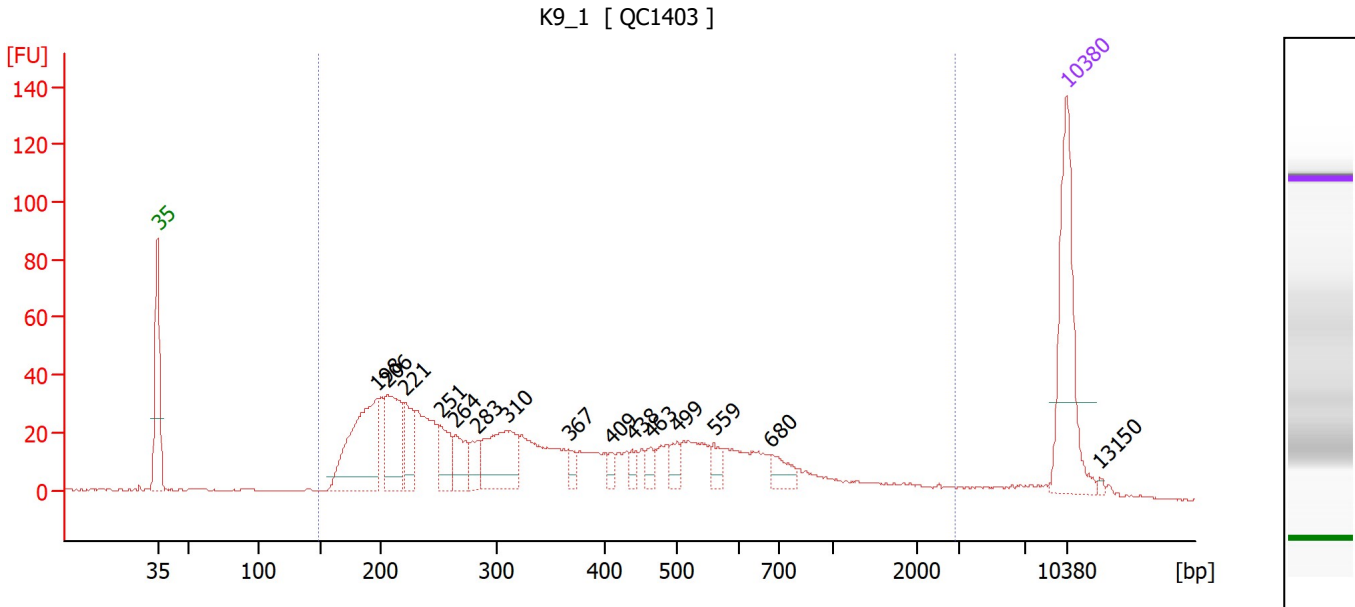
Peak table for Ladder

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:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : K9_1

Number of peaks found: 15 Corr. Area 1: 1,050.0
 Noise: 0.3

Peak table for sample 1 : K9_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	198	116.08	890.0	
3	206	66.97	491.6	
4	221	34.52	236.6	
5	251	28.77	173.4	
6	264	27.02	155.2	
7	283	18.08	96.7	
8	310	62.79	307.3	
9	367	8.86	36.6	
10	409	6.60	24.4	
11	438	7.73	26.7	
12	463	9.21	30.2	
13	499	11.26	34.2	
14	559	9.56	25.9	
15	680	14.47	32.2	
16	10,380	75.00	10.9	Upper Marker
17	13,150	0.00	0.0	

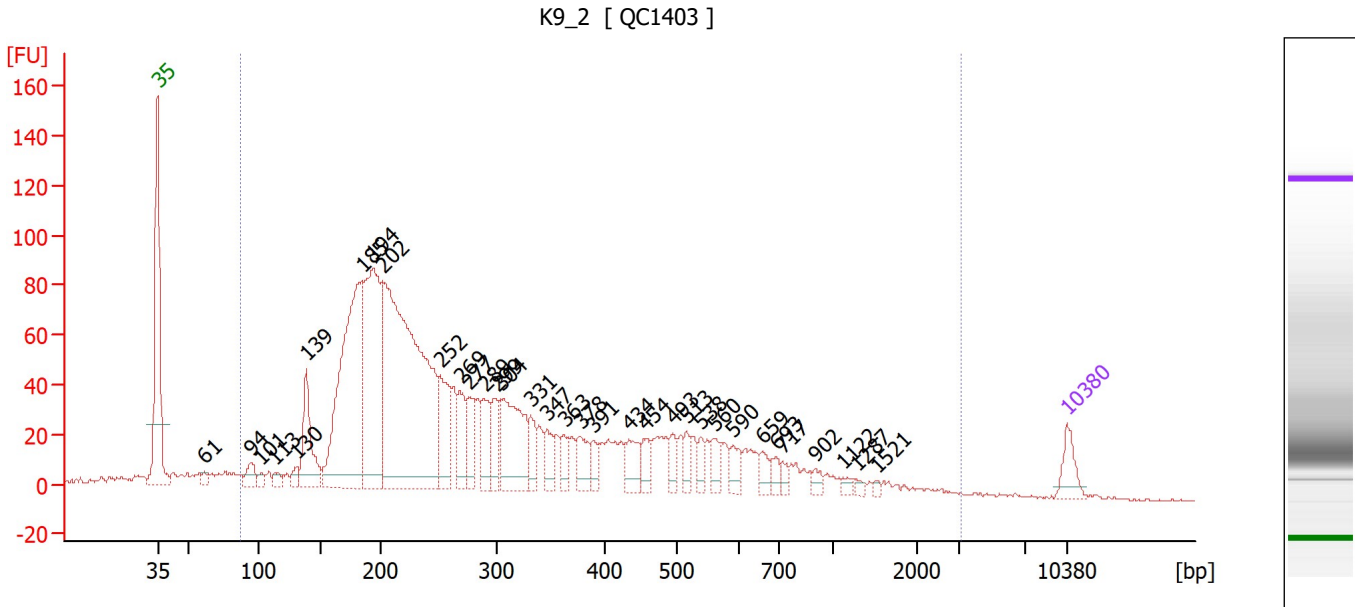
Region table for sample 1 : K9_1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	2,922	1,050.0	95	455	83.8	803.00	4,167.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
 Modified: 2/2/2023 3:24:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : K9_2

Number of peaks found: 34 Corr. Area 1: 2,061.0
 Noise: 0.4

Peak table for sample 2 : K9_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	61	35.85	883.5	
3	94	81.48	1,314.4	
4	101	32.43	484.4	
5	113	41.38	553.5	
6	130	45.23	525.7	
7	139	333.87	3,641.8	
8	185	1,343.22	10,986.1	
9	194	982.18	7,657.1	
10	202	2,194.90	16,457.5	
11	252	294.20	1,769.8	
12	269	191.51	1,080.2	
13	277	139.05	761.9	
14	289	182.84	959.1	
15	299	140.22	710.1	
16	304	433.09	2,155.0	
17	331	114.09	521.6	
18	347	97.95	427.7	
19	363	72.28	302.1	
20	378	118.51	475.5	
21	391	57.25	222.1	
22	434	110.66	386.5	
23	454	77.99	260.2	
24	493	59.72	183.5	
25	513	64.26	189.7	
26	538	57.47	161.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
 Modified: 2/2/2023 3:24:25 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : K9_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	560	66.39	179.5	
28	590	67.52	173.3	
29	659	52.29	120.3	
30	693	42.05	91.9	
31	717	30.37	64.2	
32	902	30.15	50.7	
33	1,122	22.91	30.9	
34	1,287	14.71	17.3	
35	1,521	10.64	10.6	
36	▶ 10,380	75.00	10.9	Upper Marker

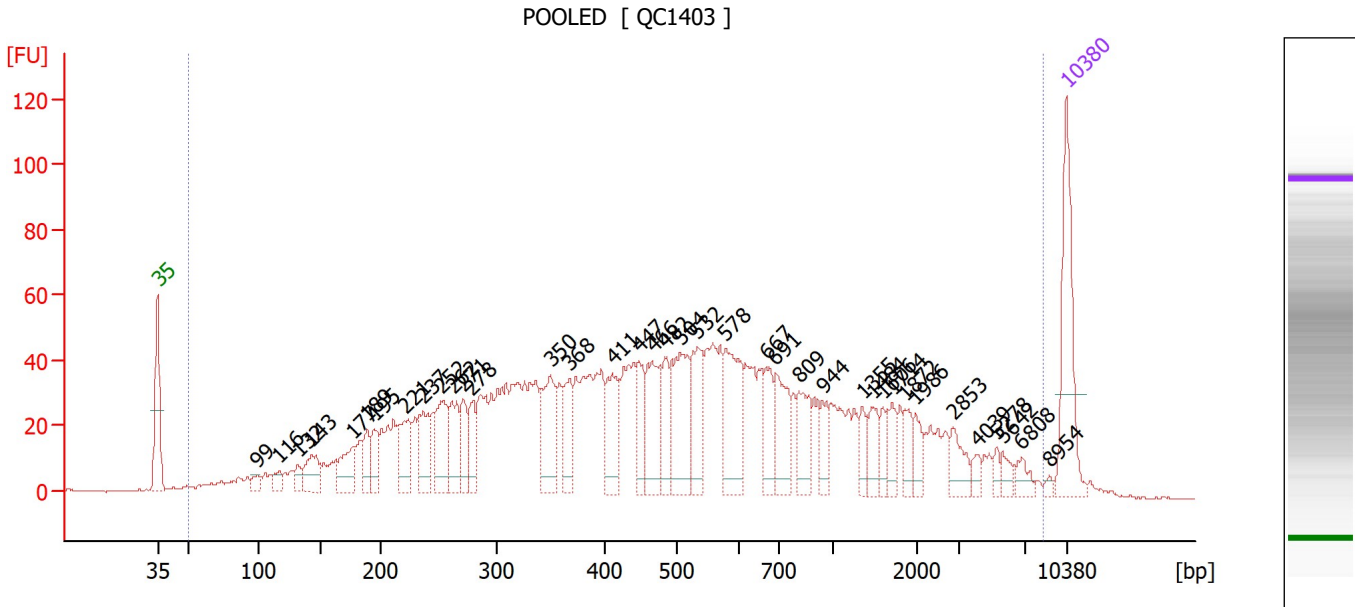
Region table for sample 2 : K9_2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
87	3,170	2,061.0	95	358	82.2	8,885.88	56,682.1	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
 Modified: 2/2/2023 3:24:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : POOLED

Number of peaks found: 38 Corr. Area 1: 2,037.0
 Noise: 0.4

Peak table for sample 3 : POOLED

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	99	11.90	182.5	
3	116	12.01	156.4	
4	132	13.65	156.5	
5	143	37.34	395.6	
6	177	41.66	355.9	
7	189	25.31	202.5	
8	195	26.15	203.4	
9	221	49.84	341.1	
10	237	46.48	297.4	
11	252	55.42	332.9	
12	262	46.43	268.6	
13	271	31.36	175.5	
14	278	30.49	166.3	
15	350	64.12	277.3	
16	368	38.33	157.9	
17	411	55.39	204.3	
18	447	37.45	126.8	
19	466	61.33	199.4	
20	482	42.38	133.1	
21	504	81.06	243.6	
22	532	55.99	159.6	
23	578	73.49	192.8	
24	667	36.06	81.9	
25	691	50.57	110.8	
26	809	39.46	73.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
 Modified: 2/2/2023 3:24:25 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : POOLED

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	944	22.93	36.8	
28	1,355	15.89	17.8	
29	1,484	21.00	21.4	
30	1,606	13.50	12.7	
31	1,714	15.71	13.9	
32	1,872	14.70	11.9	
33	1,986	14.86	11.3	
34	2,853	20.46	10.9	
35	4,039	7.36	2.8	
36	5,278	6.10	1.8	
37	5,642	8.83	2.4	
38	6,808	10.66	2.4	
39	8,954	3.02	0.5	
40	▶ 10,380	75.00	10.9	Upper Marker

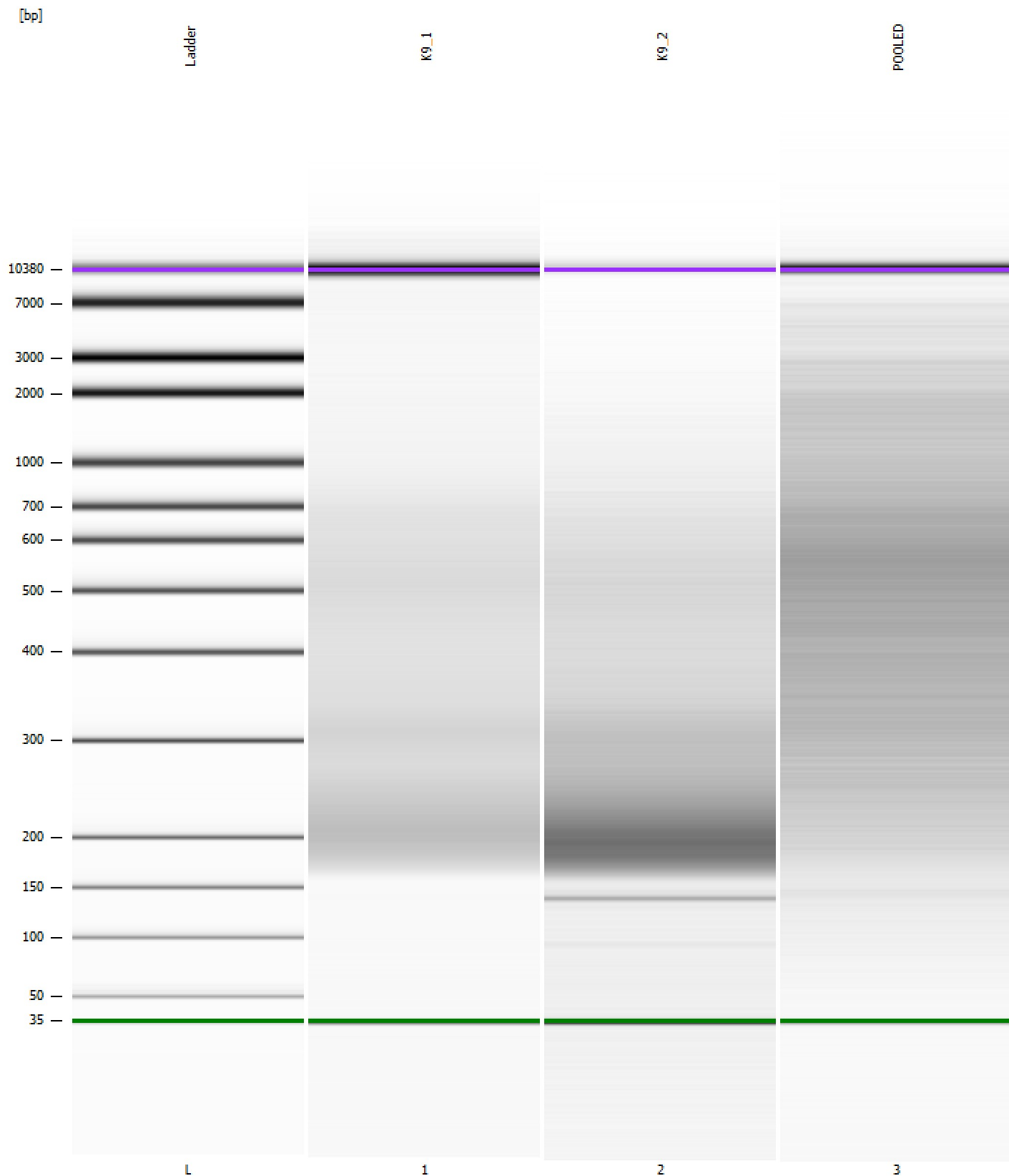
Region table for sample 3 : POOLED

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	8,504	2,037.0	99	854	100.0	2,274.87	10,472.2	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
Modified: 2/2/2023 3:24:25 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-02-02\QC1403_02-02-2023.xad

Created: 2/2/2023 11:39:50 AM
 Modified: 2/2/2023 3:24:25 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		2/2/2023 12:21:09 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-02\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-02_001.xad)		Instrument	Run		2/2/2023 11:39:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/2/2023 11:39:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/2/2023 11:39:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/2/2023 11:39:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/2/2023 11:39:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/2/2023 11:39:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/2/2023 11:39:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB