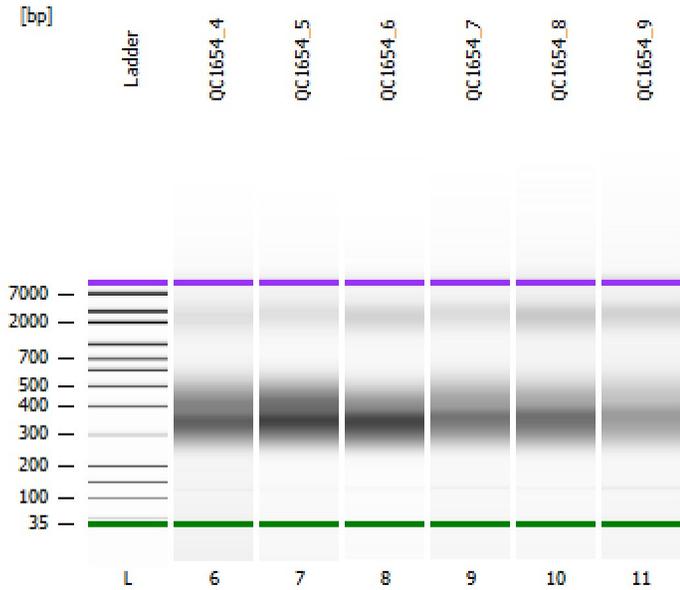


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
Modified: 10/27/2023 11:25:50 AM

Electrophoresis File Run Summary



Instrument Information:

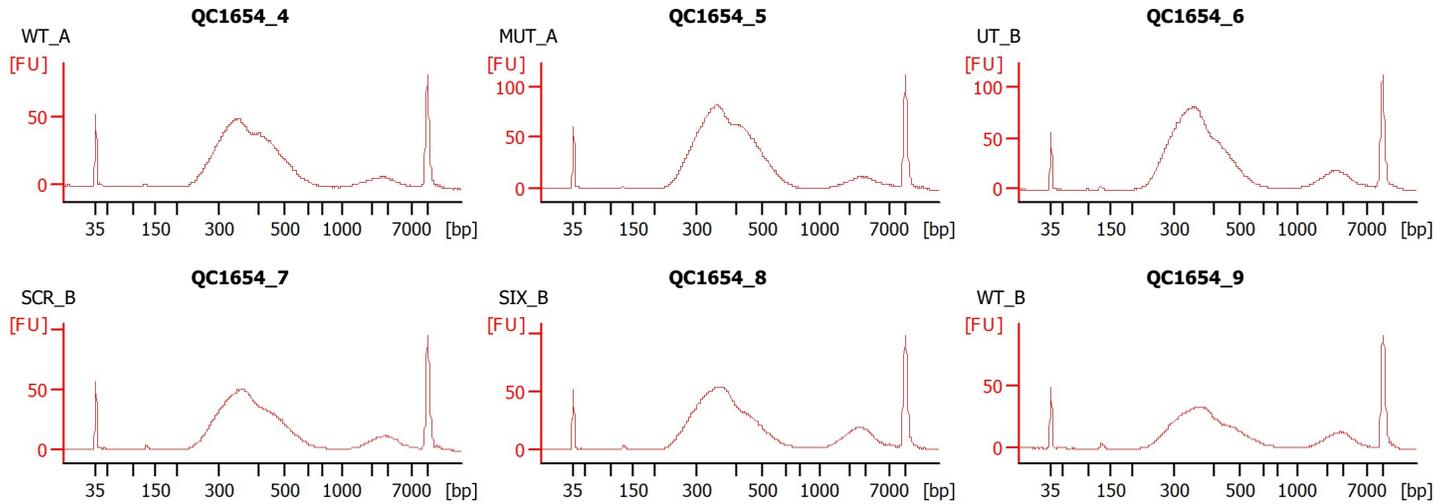
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
QC1654_4	WT_A	<input type="checkbox"/>		✓		
QC1654_5	MUT_A	<input type="checkbox"/>		✓		
QC1654_6	UT_B	<input type="checkbox"/>		✓		
QC1654_7	SCR_B	<input type="checkbox"/>		✓		
QC1654_8	SIX_B	<input type="checkbox"/>		✓		
QC1654_9	WT_B	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
Modified: 10/27/2023 11:25:50 AM

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

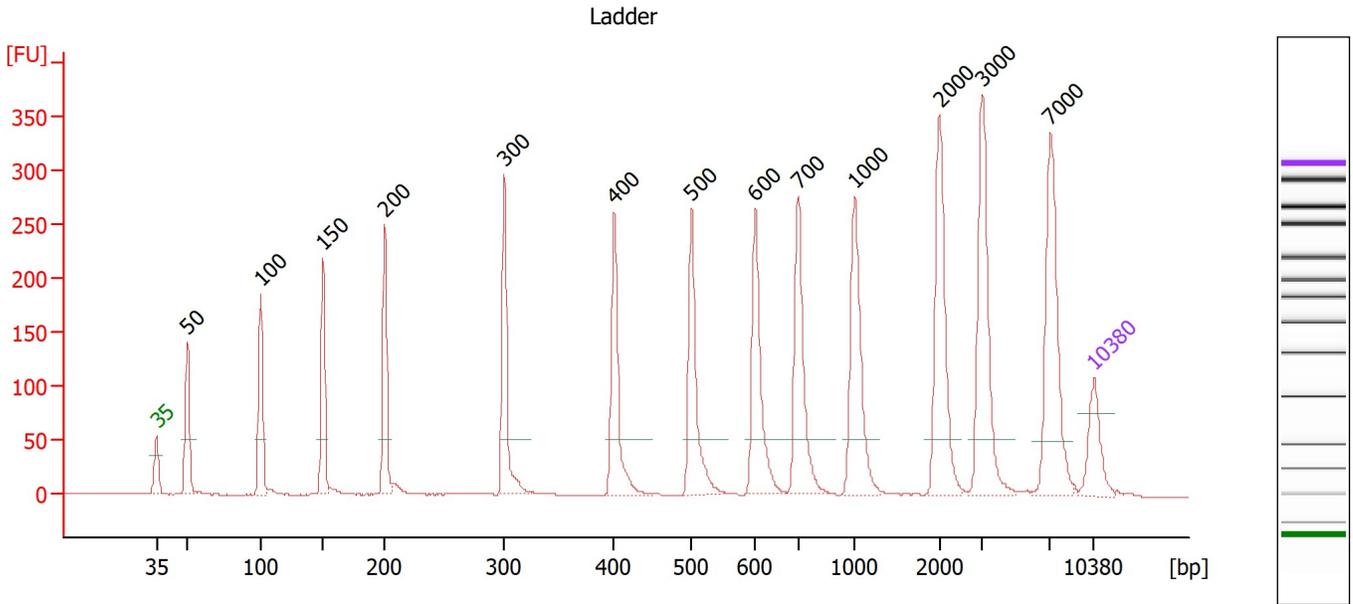
Ladder

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:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

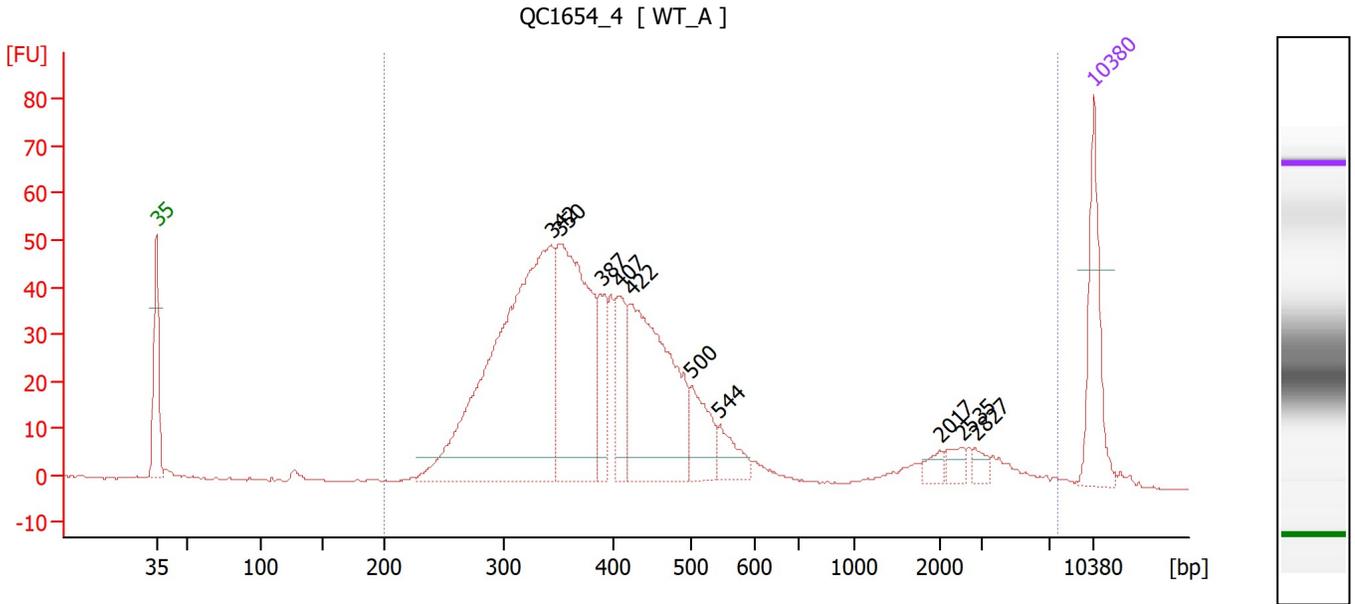
Peak table for Ladder

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:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1654 4

Number of peaks found: 10 Corr. Area 1: 1,011.6
 Noise: 0.2

Peak table for sample 6 : QC1654 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	342	593.31	2,627.2	
3	350	322.77	1,397.9	
4	387	68.31	267.1	
5	407	73.10	272.4	
6	422	273.59	982.2	
7	500	63.04	191.1	
8	544	35.03	97.6	
9	2,017	10.78	8.1	
10	2,535	12.59	7.5	
11	2,827	9.79	5.2	
12	10,380	75.00	10.9	Upper Marker

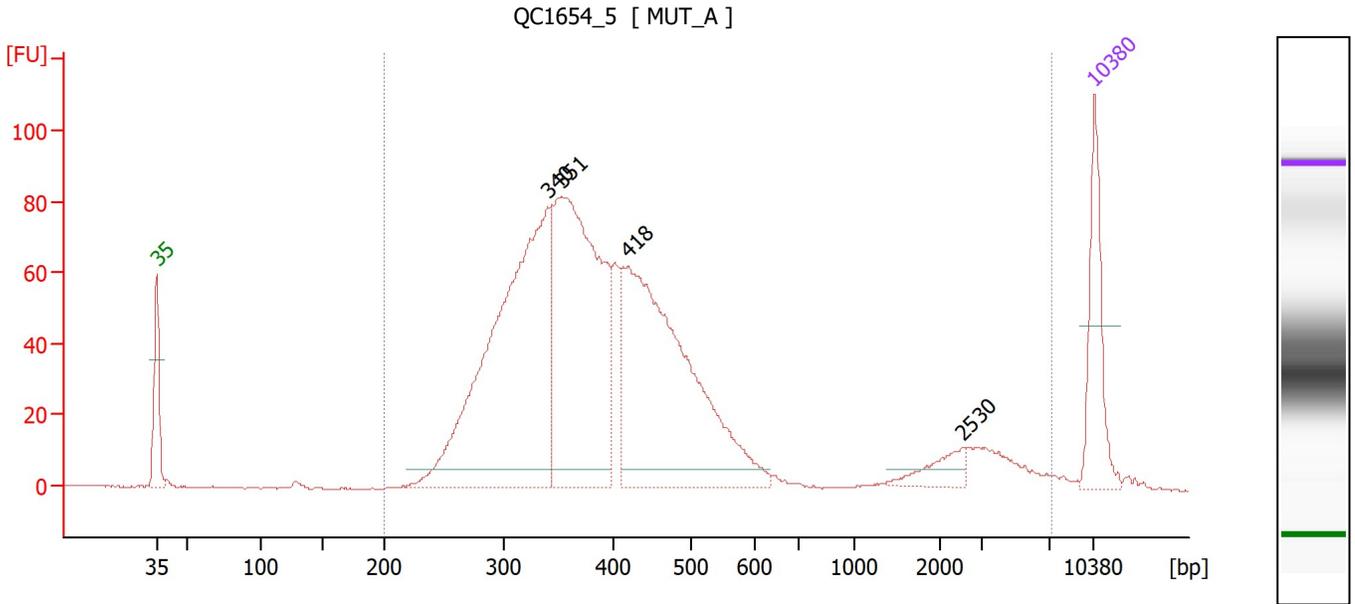
Region table for sample 6 : QC1654 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,598	1,011.6	98	637	100.0	1,642.30	6,541.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1654 5

Number of peaks found: 4 Corr. Area 1: 1,608.6
 Noise: 0.2

Peak table for sample 7 : QC1654 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	340	599.79	2,676.1	
3	351	500.06	2,156.5	
4	418	483.78	1,753.4	
5	2,530	25.09	15.0	
6	10,380	75.00	10.9	Upper Marker

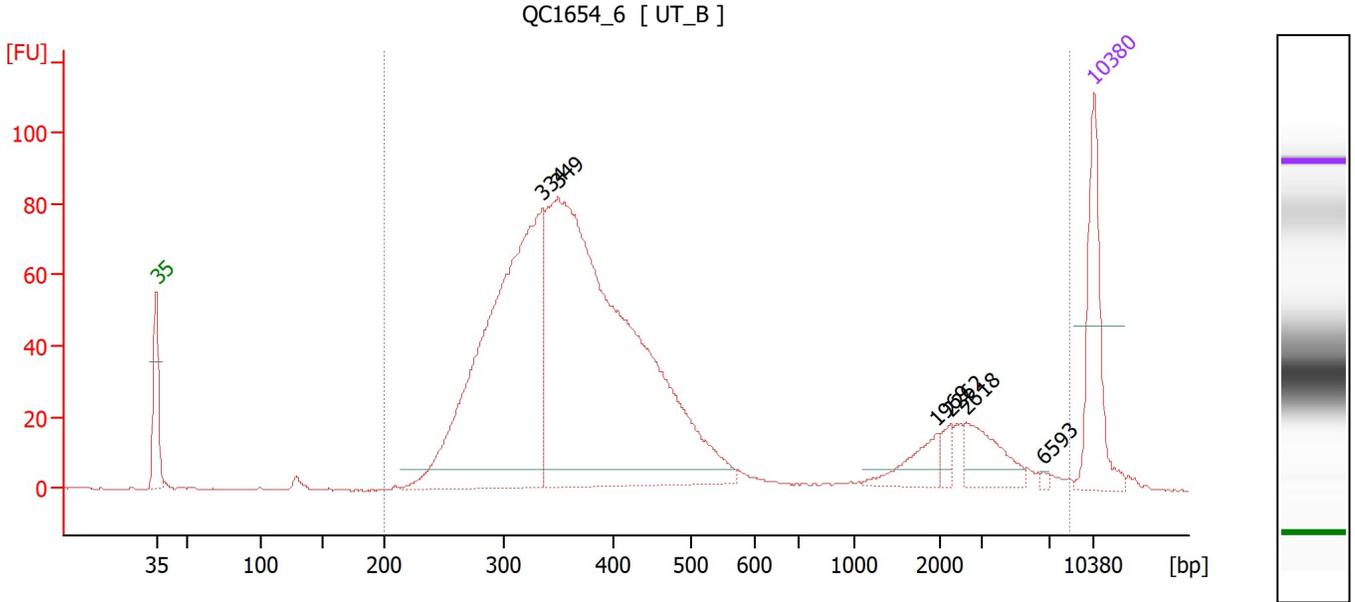
Region table for sample 7 : QC1654 5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,188	1,608.6	98	629	100.0	1,770.70	7,071.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1654_6

Number of peaks found: 6 Corr. Area 1: 1,515.3
 Noise: 0.2

Peak table for sample 8 : QC1654_6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	334	562.15	2,546.8	
3	349	843.35	3,660.3	
4	1,969	27.86	21.4	
5	2,262	10.12	6.8	
6	2,618	40.92	23.7	
7	6,593	2.20	0.5	
8	10,380	75.00	10.9	Upper Marker

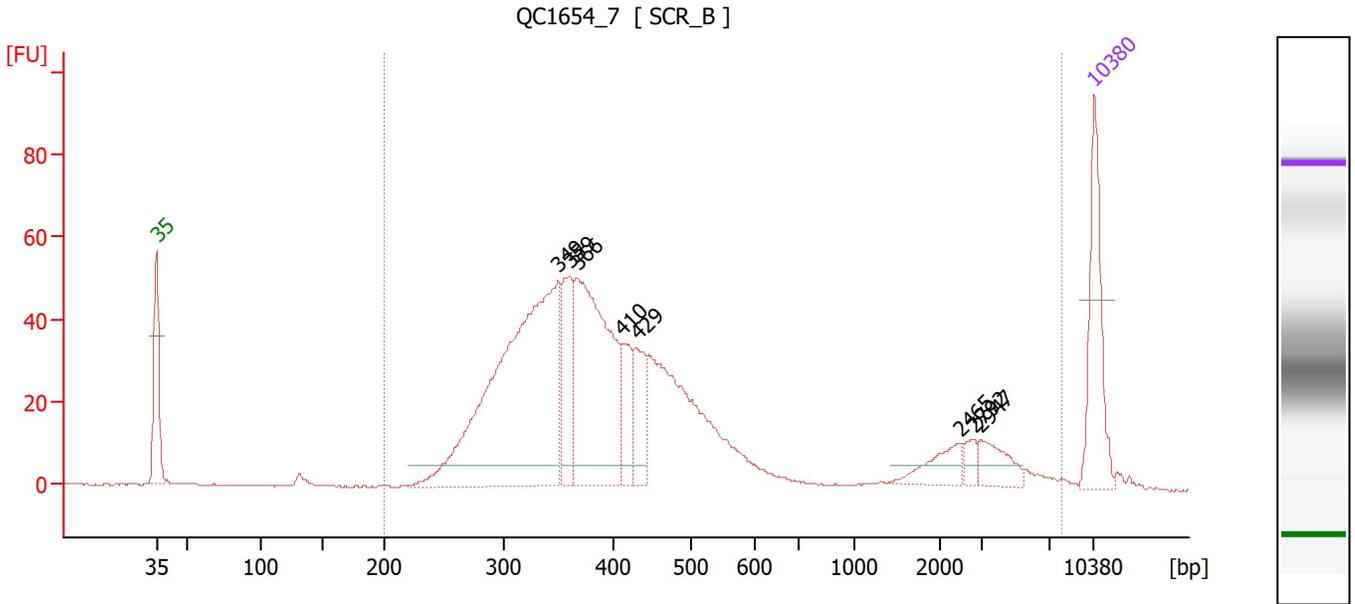
Region table for sample 8 : QC1654_6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,506	1,515.3	99	730	100.0	1,555.79	6,324.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1654 7

Number of peaks found: 8 Corr. Area 1: 1,015.6
 Noise: 0.2

Peak table for sample 9 : QC1654 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	349	483.48	2,098.4	
3	359	85.64	361.8	
4	366	265.67	1,099.7	
5	410	52.60	194.6	
6	429	52.36	185.0	
7	2,465	26.24	16.1	
8	2,792	9.89	5.4	
9	2,947	25.20	13.0	
10	10,380	75.00	10.9	Upper Marker

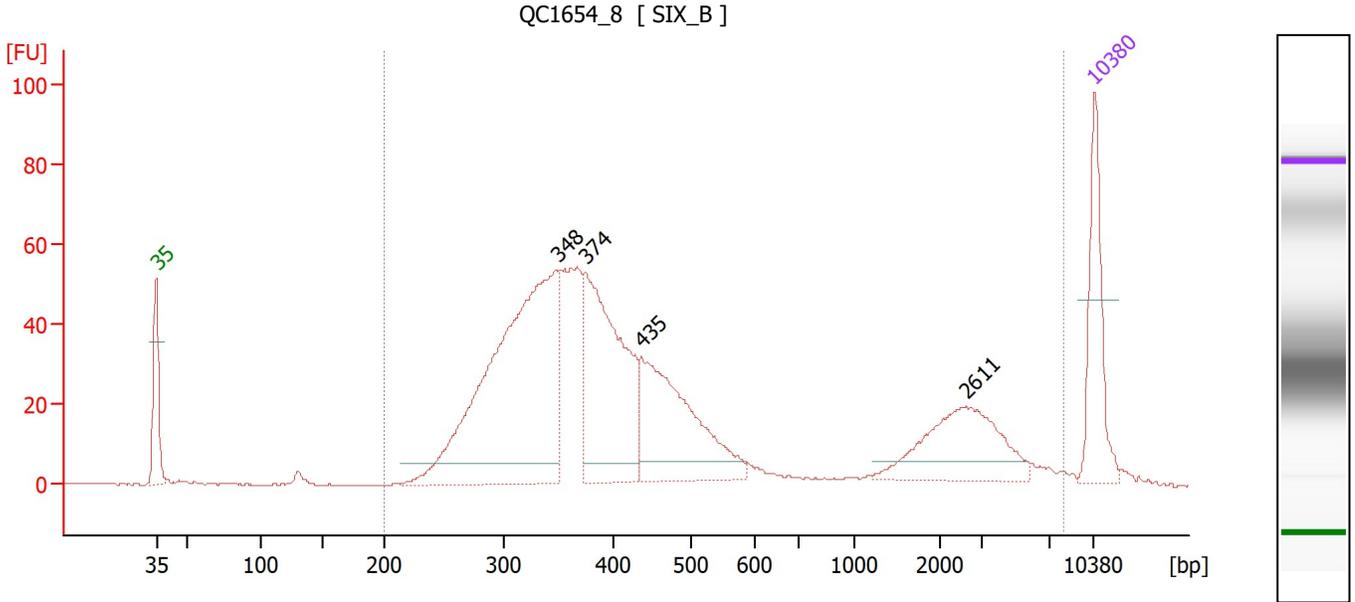
Region table for sample 9 : QC1654 7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,844	1,015.6	97	743	100.0	1,352.98	5,258.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1654_8

Number of peaks found: 4 Corr. Area 1: 1,143.8
 Noise: 0.2

Peak table for sample 10 : QC1654_8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	348	501.12	2,184.7	
3	374	256.84	1,041.8	
4	435	195.69	681.3	
5	2,611	101.32	58.8	
6	10,380	75.00	10.9	Upper Marker

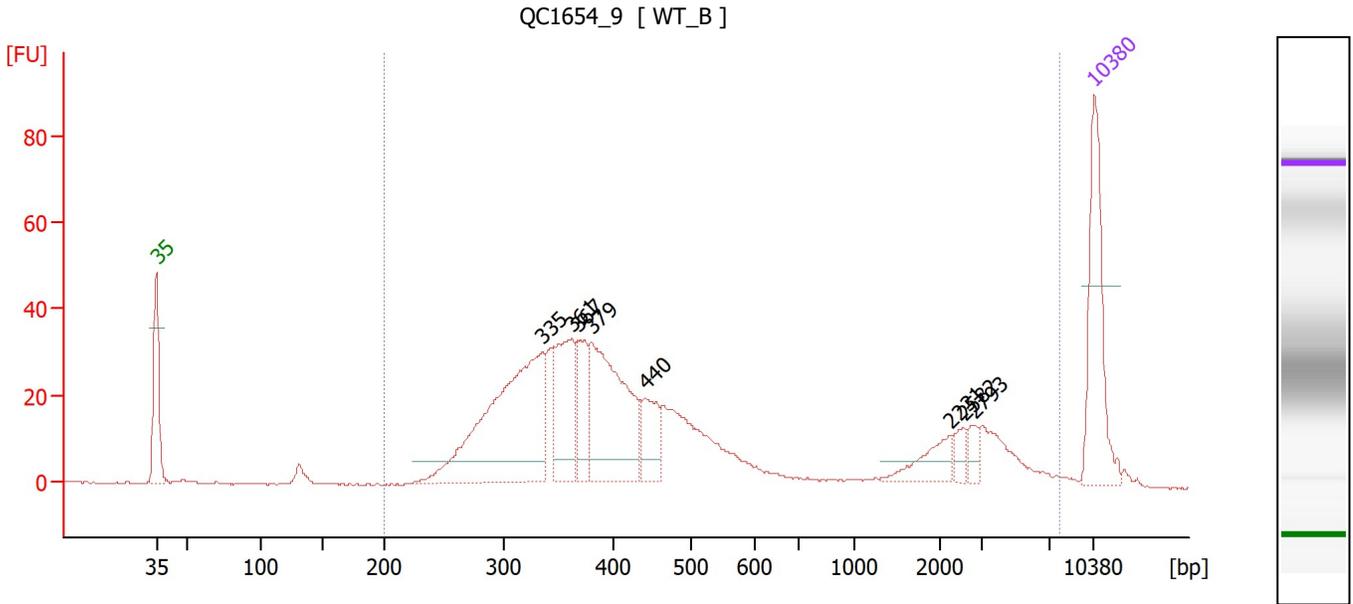
Region table for sample 10 : QC1654_8

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,025	1,143.8	97	866	100.0	1,343.07	5,165.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1654_9

Number of peaks found: 8 Corr. Area 1: 753.1
 Noise: 0.2

Peak table for sample 11 : QC1654_9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	335	245.02	1,109.8	
3	361	85.49	359.0	
4	367	43.99	181.6	
5	379	149.47	596.9	
6	440	37.21	128.0	
7	2,231	23.08	15.7	
8	2,582	9.59	5.6	
9	2,793	8.50	4.6	
10	10,380	75.00	10.9	Upper Marker

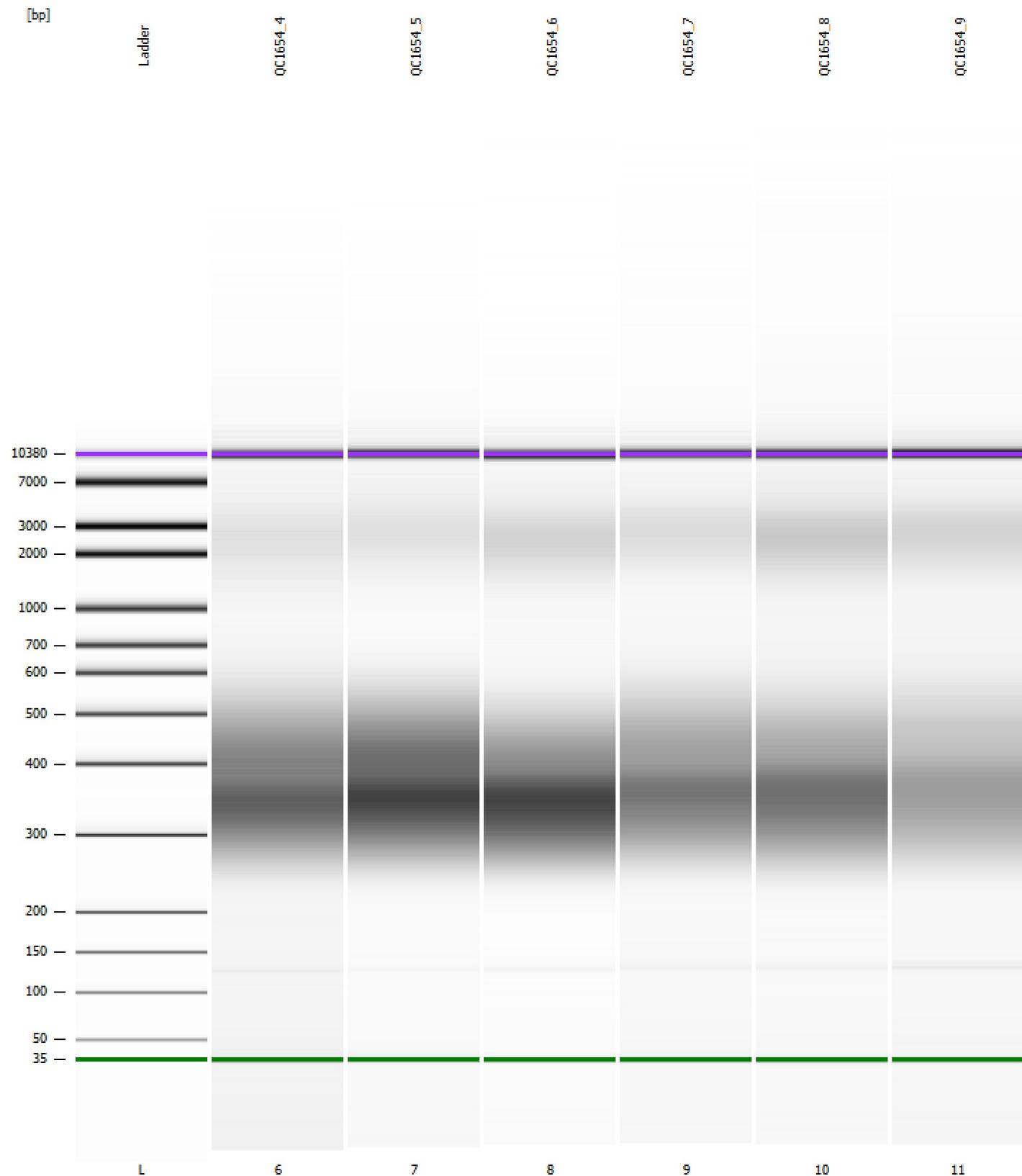
Region table for sample 11 : QC1654_9

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,681	753.1	94	926	100.0	898.20	3,347.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
Modified: 10/27/2023 11:25:50 AM

Gel Image

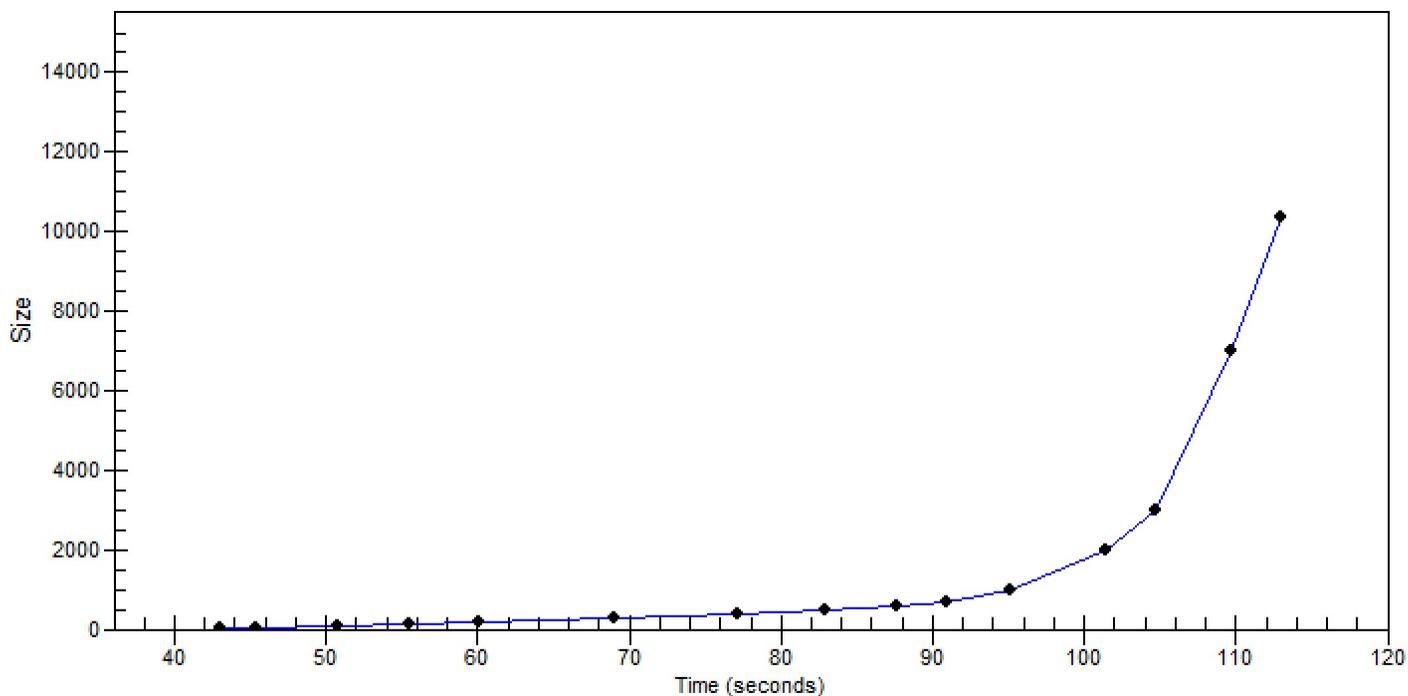


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
Modified: 10/27/2023 11:25:50 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-27\QC1654_4-9.xad

Created: 10/27/2023 10:39:47 AM
 Modified: 10/27/2023 11:25:50 AM

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		10/27/2023 11:21:08 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-27\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-27_001.xad)		Instrument	Run		10/27/2023 10:39:52 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/27/2023 10:39:52 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/27/2023 10:39:52 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/27/2023 10:39:52 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/27/2023 10:39:52 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/27/2023 10:39:52 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/27/2023 10:39:52 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB