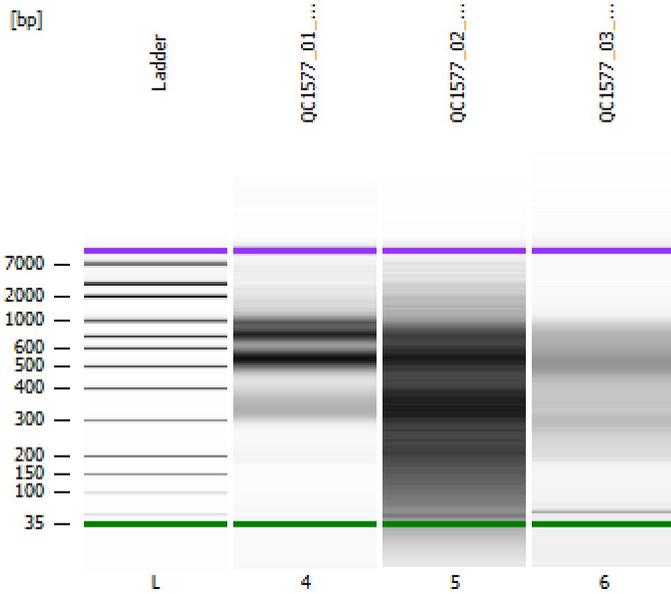


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
Modified: 8/14/2023 10:55:59 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

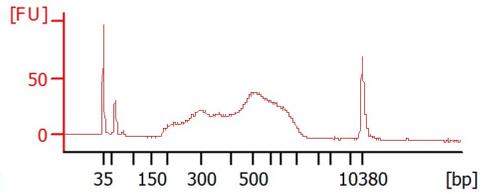
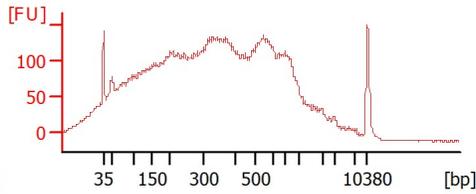
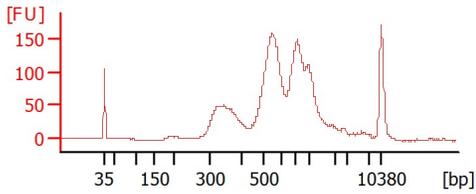
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

QC1577_01_K27ME_Mouse_Lib

QC1577_02_SNF2H_Mouse_Lib

QC1577_03_CHD4_Mouse_Lib



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
QC1577_01_K27ME_Mouse_Lib		<input type="checkbox"/>	✓			
QC1577_02_SNF2H_Mouse_Lib		<input type="checkbox"/>	✓			
QC1577_03_CHD4_Mouse_Lib		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 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/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

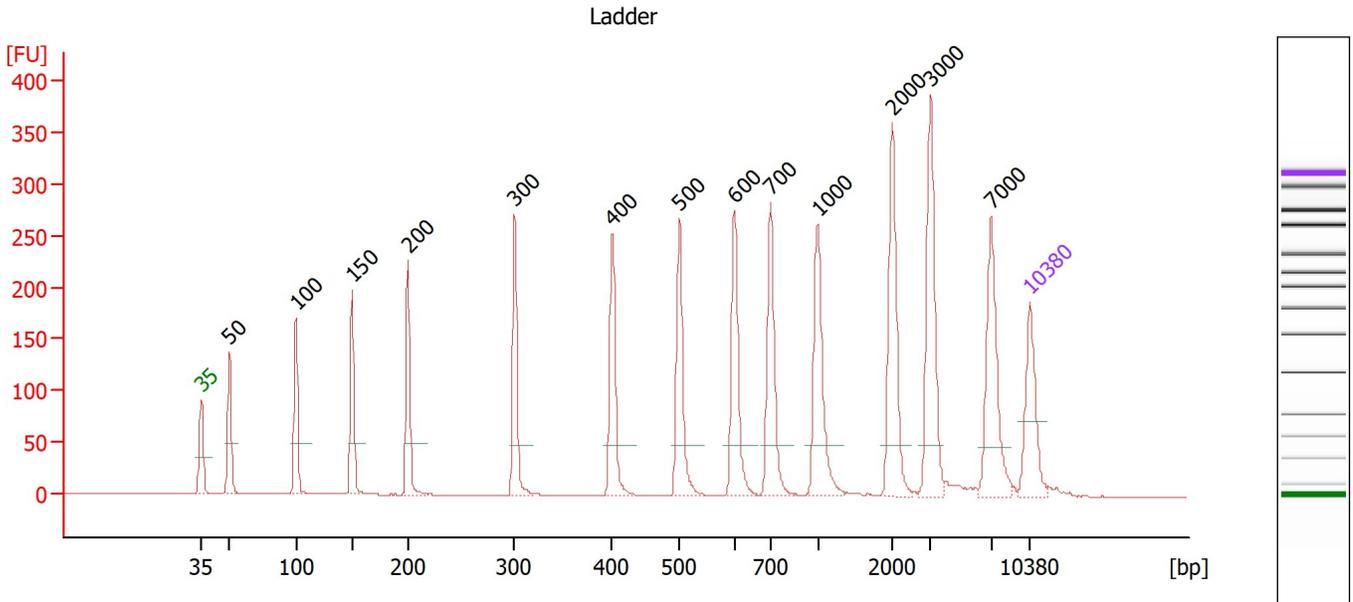
Ladder

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:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

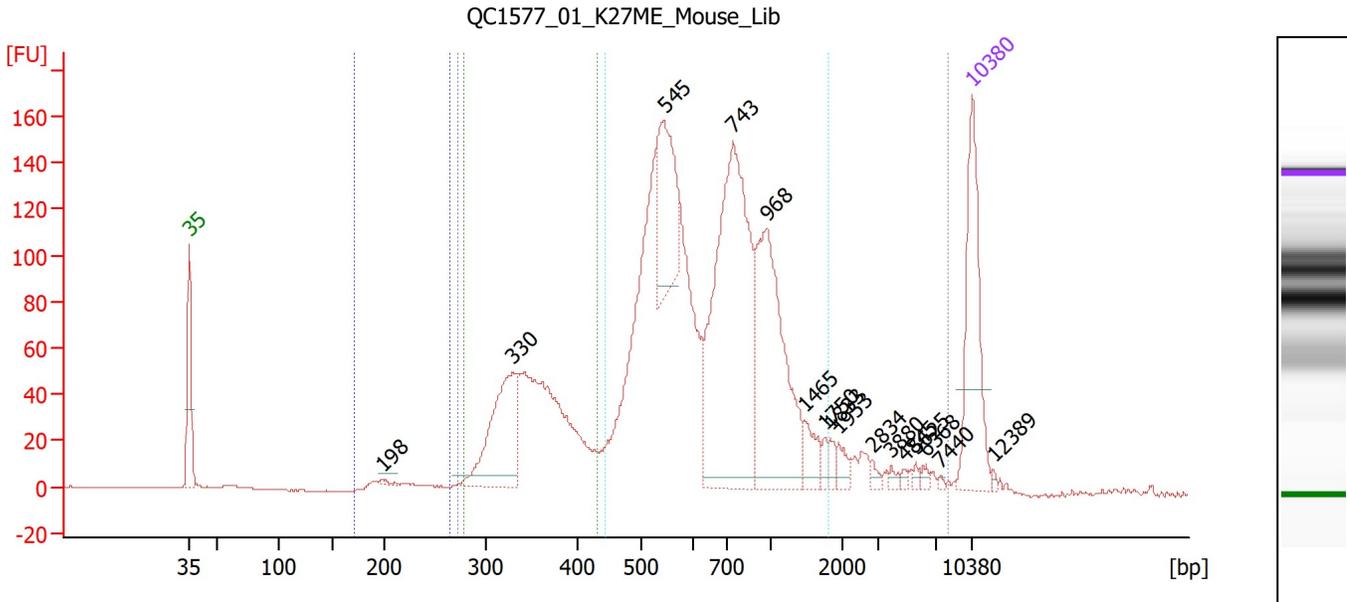
Peak table for Ladder

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:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1577 01 K27ME Mouse Lib

Number of peaks found:	16	Corr. Area 2:	33.4
Noise:	0.2	Corr. Area 3:	548.6
Corr. Area 1:	2,688.7	Corr. Area 4:	1,991.1

Peak table for sample 4 : QC1577 01 K27ME Mouse Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	198	2.77	21.2	
3	330	105.39	484.5	
4	545	72.83	202.5	
5	743	281.53	574.1	
6	968	155.88	244.1	
7	1,465	17.49	18.1	
8	1,750	5.27	4.6	
9	1,833	5.81	4.8	
10	1,953	7.94	6.2	
11	2,834	3.42	1.8	
12	3,880	3.13	1.2	
13	4,845	2.36	0.7	
14	5,625	2.23	0.6	
15	6,368	2.99	0.7	
16	7,440	1.39	0.3	
17	10,380	75.00	10.9	Upper Marker
18	12,389	0.00	0.0	

Region table for sample 4 : QC1577 01 K27ME Mouse Lib

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
171	266	33.4	1	217	10.6	21.82	153.7	Blue
274	8,117	2,688.7	97	839	100.0	1,335.23	3,639.3	Dark Blue
280	430	548.6	20	351	9.6	307.59	1,335.8	Green

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 AM

Electropherogram Summary Continued ...

... Region table for sample 4 :

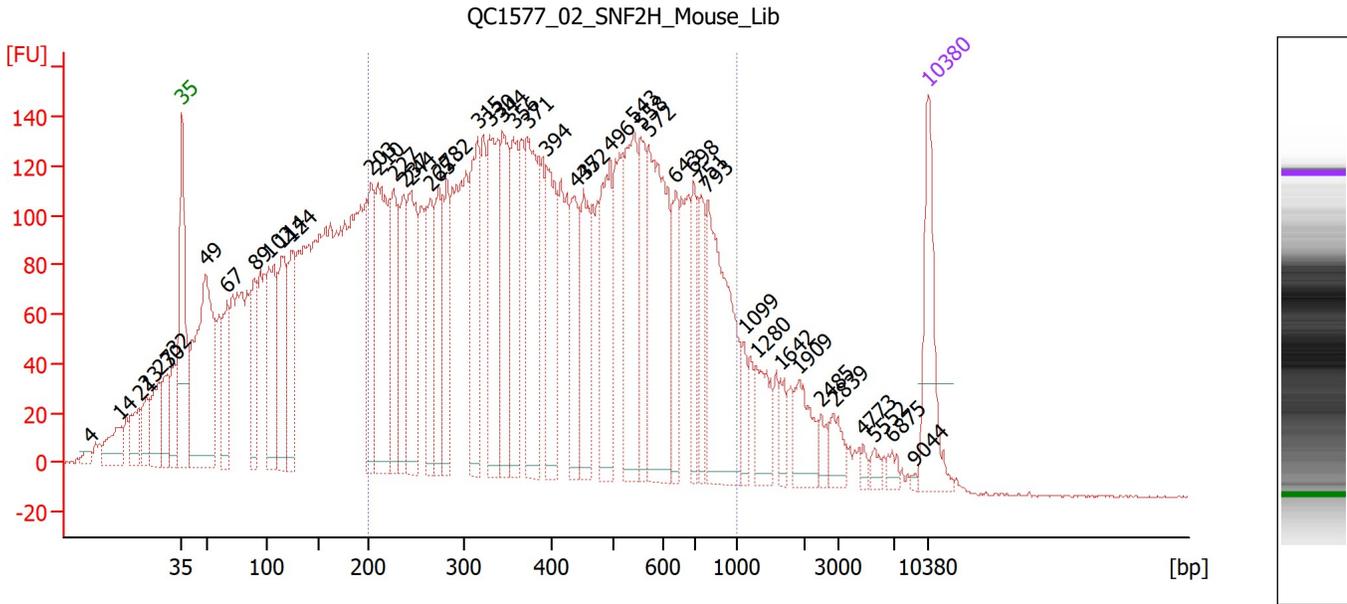
QC1577_01_K27ME_Mouse_Lib

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
443	1,818	1,991.1	72	737	36.3	966.22	2,239.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1577 02 SNF2H Mouse Lib

Number of peaks found: 47 Corr. Area 1: 5,352.3
 Noise: 0.3

Peak table for sample 5 : QC1577 02 SNF2H Mouse Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	4	0.00	0.0	
2	14	0.00	0.0	
3	21	0.00	0.0	
4	23	0.00	0.0	
5	27	0.00	0.0	
6	30	0.00	0.0	
7	32	0.00	0.0	
8	35	125.00	5,411.3	Lower Marker
9	49	334.50	10,315.8	
10	67	97.73	2,225.9	
11	89	94.61	1,607.9	
12	102	151.82	2,258.2	
13	114	144.48	1,922.0	
14	124	107.11	1,310.5	
15	203	116.76	871.6	
16	210	219.11	1,579.8	
17	227	114.21	763.3	
18	237	103.63	663.5	
19	244	149.34	926.0	
20	265	95.79	547.0	
21	273	109.67	608.5	
22	282	96.40	518.1	
23	315	140.89	677.3	
24	330	169.89	780.8	
25	344	118.74	523.7	
26	356	101.74	432.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : QC1577_02_SNF2H_Mouse_Lib

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	371	168.71	688.5	
28	394	120.22	462.8	
29	437	92.79	321.7	
30	452	86.77	291.0	
31	496	119.78	366.2	
32	543	151.09	421.6	
33	558	79.17	215.0	
34	572	203.76	539.7	
35	643	62.64	147.7	
36	698	52.61	114.2	
37	751	53.48	107.8	
38	793	183.51	350.8	
39	1,099	20.04	27.6	
40	1,280	42.90	50.8	
41	1,642	15.84	14.6	
42	1,909	39.72	31.5	
43	2,485	11.89	7.2	
44	2,839	20.87	11.1	
45	4,773	5.07	1.6	
46	5,552	7.42	2.0	
47	6,875	7.53	1.7	
48	9,044	1.75	0.3	
49	▶ 10,380	75.00	10.9	Upper Marker

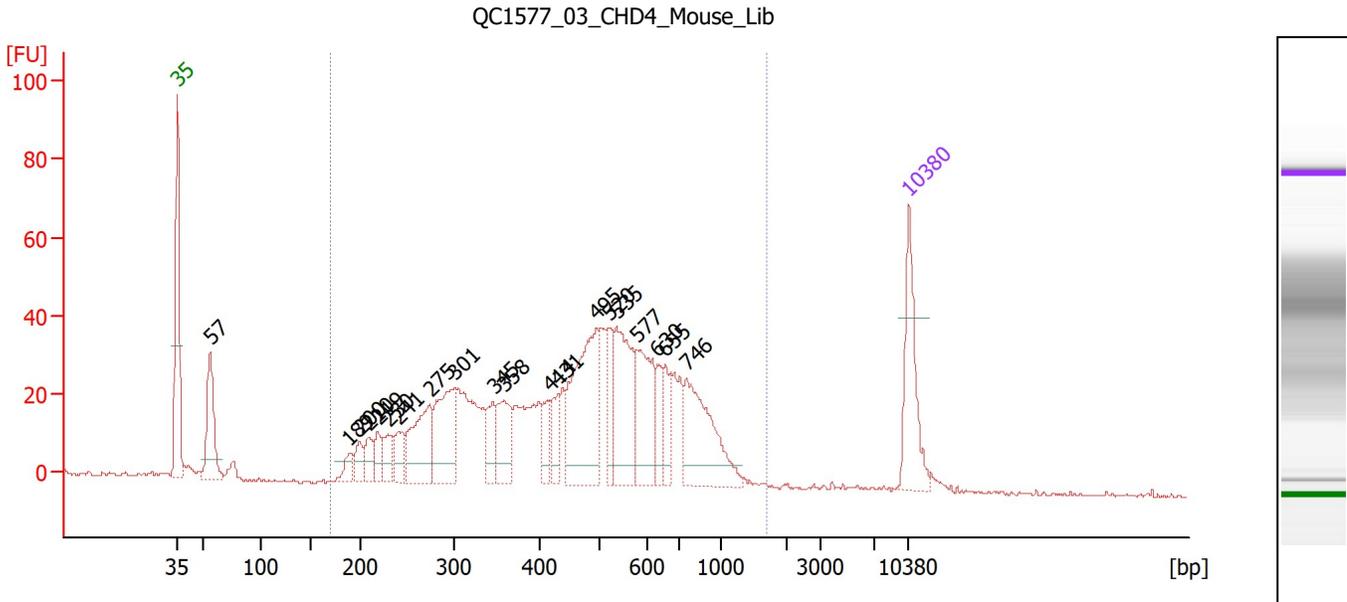
Region table for sample 5 : QC1577_02_SNF2H_Mouse_Lib

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	5,352.3	60	441	40.8	3,744.30	16,034.5	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
 Modified: 8/14/2023 10:55:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1577 03 CHD4 Mouse Lib

Number of peaks found: 20 Corr. Area 1: 1,042.1
 Noise: 0.4

Peak table for sample 6 : QC1577 03 CHD4 Mouse Lib

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	57	117.23	3,123.0	
3	189	20.35	162.8	
4	200	27.01	204.4	
5	210	30.59	221.0	
6	219	24.35	168.2	
7	230	35.73	235.4	
8	241	33.56	210.7	
9	275	109.58	604.8	
10	301	116.38	585.6	
11	345	37.05	162.5	
12	358	65.51	277.5	
13	414	30.39	111.1	
14	431	31.61	111.3	
15	495	183.37	561.6	
16	520	48.85	142.4	
17	535	124.77	353.2	
18	577	97.60	256.3	
19	630	31.11	74.8	
20	655	36.93	85.4	
21	746	130.43	265.0	
22	10,380	75.00	10.9	Upper Marker

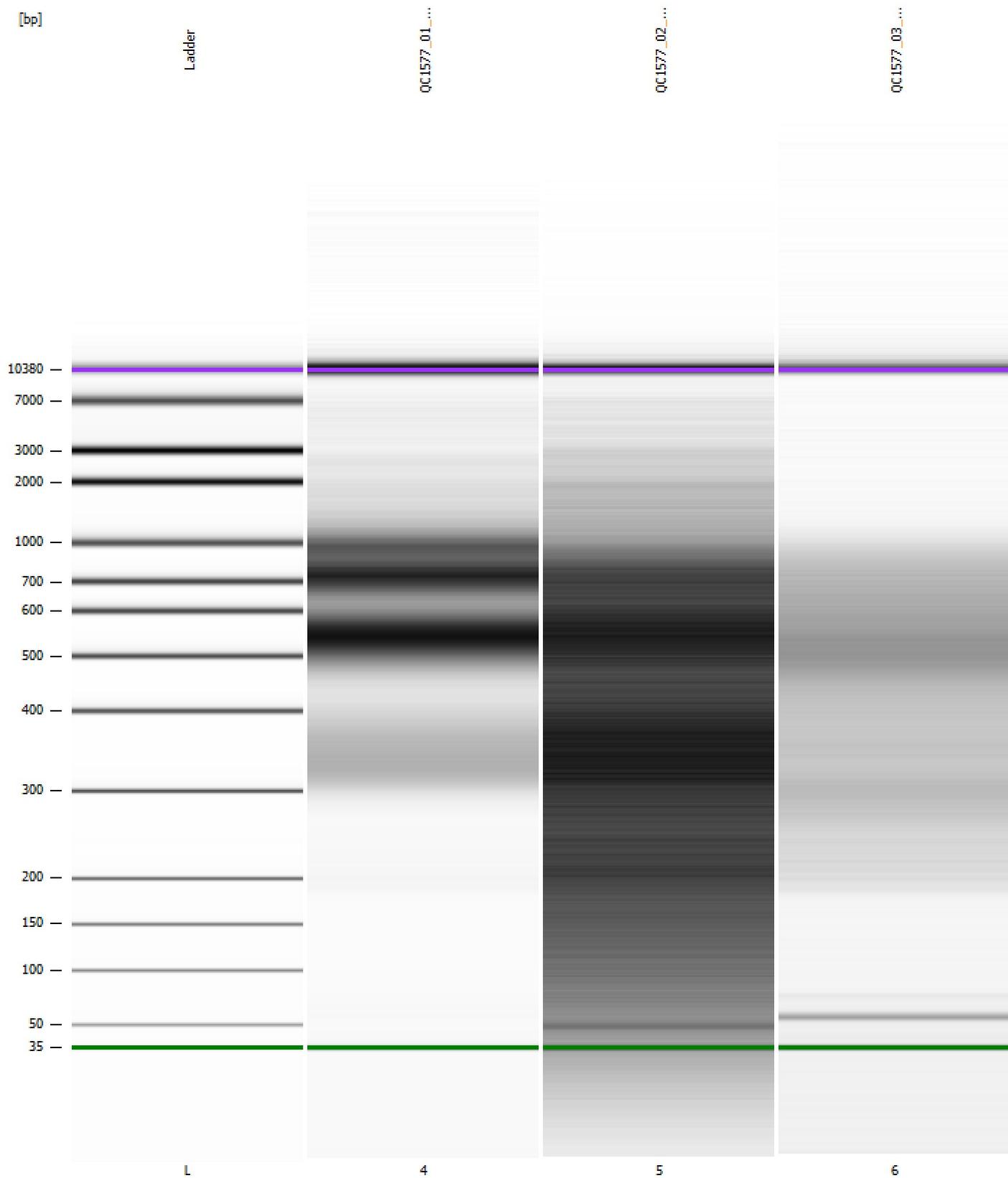
Region table for sample 6 : QC1577 03 CHD4 Mouse Lib

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
171	1,678	1,042.1	93	492	40.6	1,595.36	6,184.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
Modified: 8/14/2023 10:55:59 AM

Gel Image

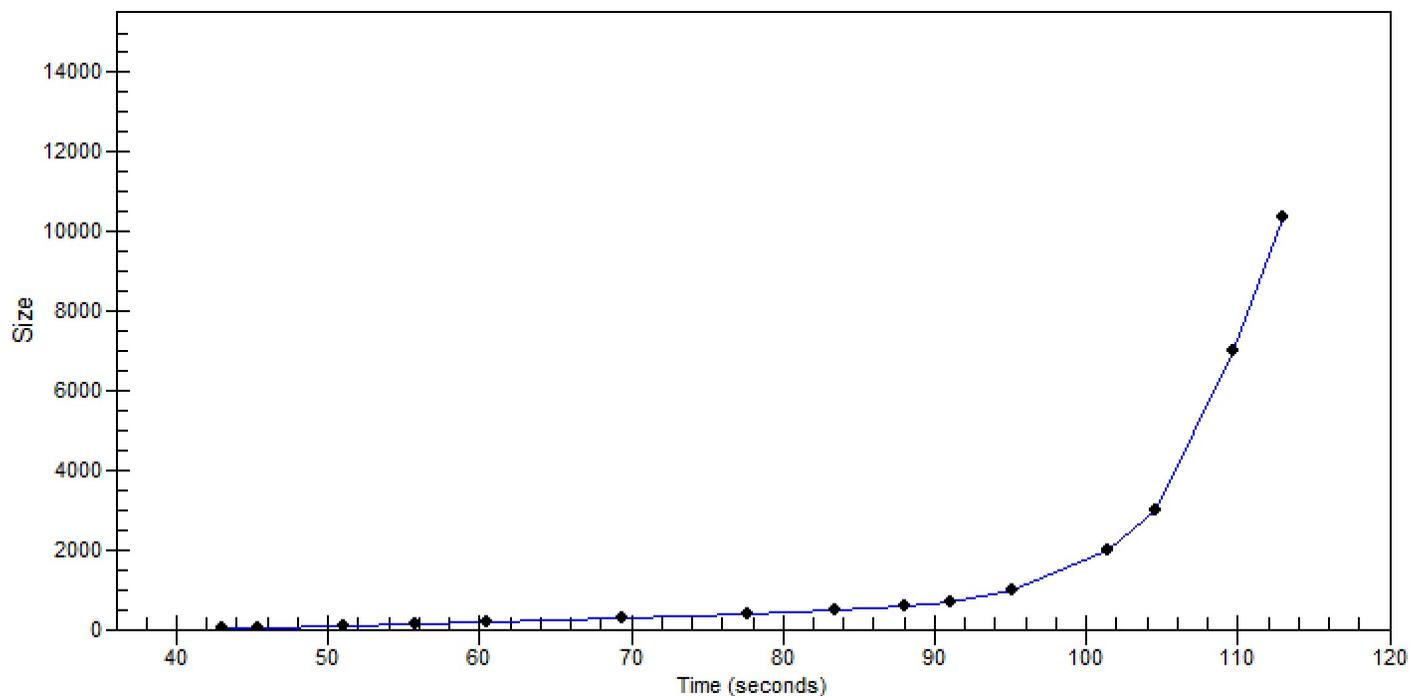


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad

Created: 8/14/2023 10:10:19 AM
Modified: 8/14/2023 10:55:59 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 8/14/2023 10:10:19 AM
 Data Path: C:\... Sensitivity DNA Assay_DE34903152_2023-08-14_001_QC1577.xad Modified: 8/14/2023 10:55:59 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 8)		Instrument	Run		8/14/2023 10:40:15 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\2023-08-14\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-08-14_001.xad)		Instrument	Run		8/14/2023 10:10:26 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/14/2023 10:10:26 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/14/2023 10:10:26 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/14/2023 10:10:26 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/14/2023 10:10:26 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/14/2023 10:10:26 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/14/2023 10:10:26 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB