Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Electrophoresis File Run Summary

Instrument Information:

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

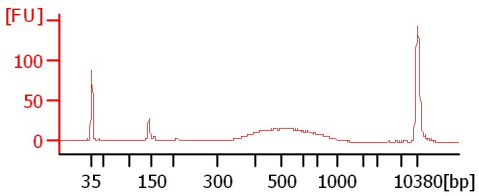
Assay Information:

Assay Origin Path:	C:\Program Files\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

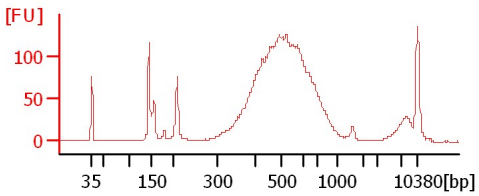
Chip Information:

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

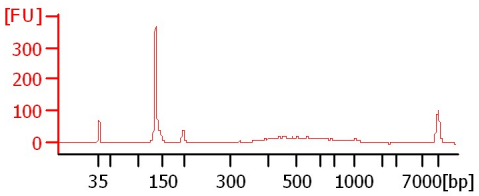
B1 Srgap2



B2 Gpr89



B3 no guide



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
B1 Srgap2		☐	✔			
B2 Gpr89		☐	✔			
B3 no guide		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 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

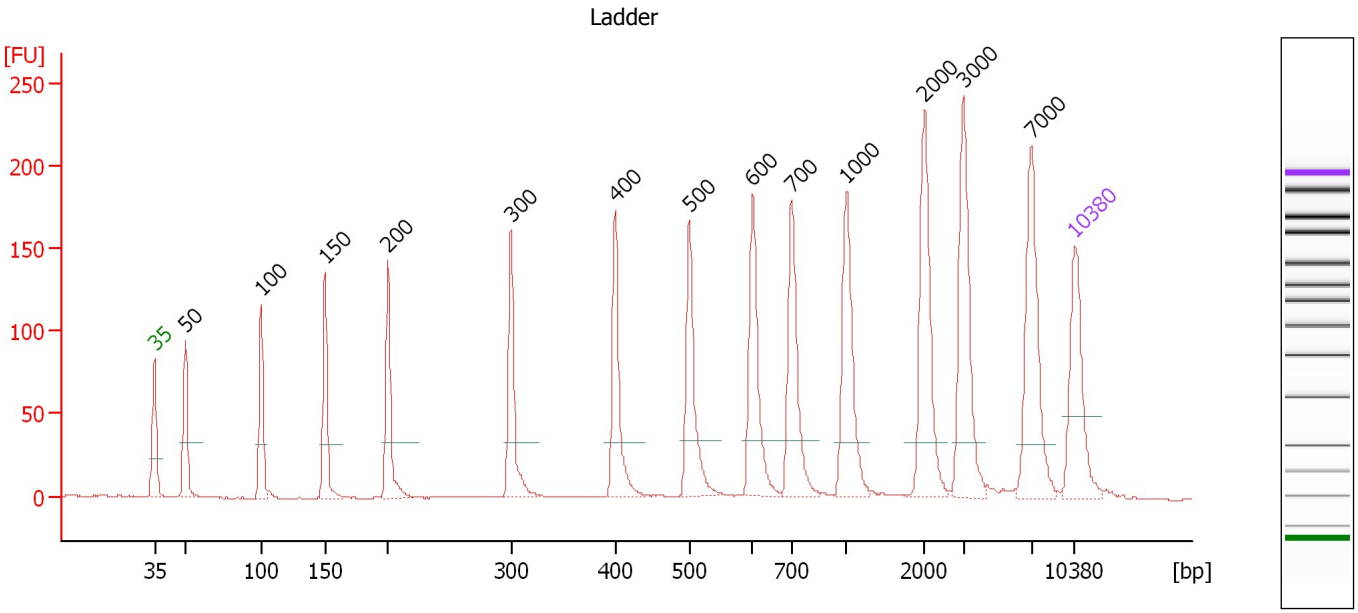
Ladder

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:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

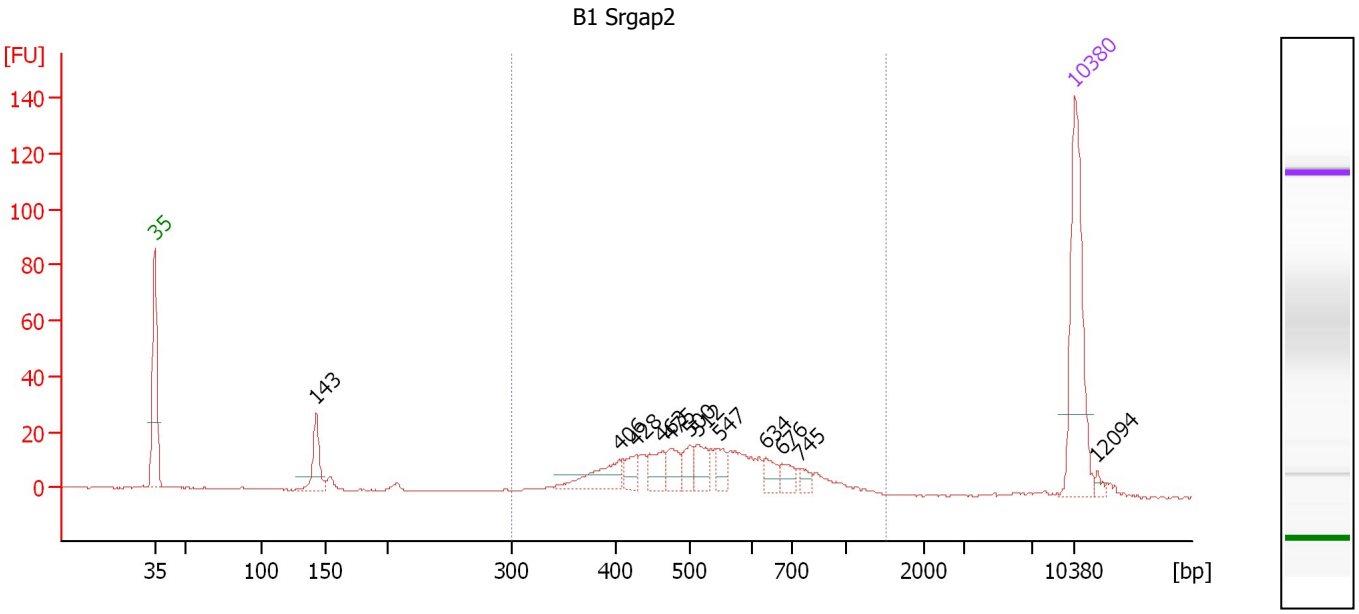
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1		35	125.00	5,411.3	Lower Marker	43.00
2		50	150.00	4,545.5	Ladder Peak	45.34
3		100	150.00	2,272.7	Ladder Peak	51.09
4		150	150.00	1,515.2	Ladder Peak	55.96
5		200	150.00	1,136.4	Ladder Peak	60.74
6		300	150.00	757.6	Ladder Peak	70.12
7		400	150.00	568.2	Ladder Peak	78.02
8		500	150.00	454.5	Ladder Peak	83.68
9		600	150.00	378.8	Ladder Peak	88.50
10		700	150.00	324.7	Ladder Peak	91.44
11		1,000	150.00	227.3	Ladder Peak	95.63
12		2,000	150.00	113.6	Ladder Peak	101.56
13		3,000	150.00	75.8	Ladder Peak	104.50
14		7,000	150.00	32.5	Ladder Peak	109.69
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : B1 Srgap2

Number of peaks found:	12	Corr. Area 1:	314.2
Noise:	0.2		

Peak table for sample 4 : B1 Srgap2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	143	31.20	330.2		55.29
3	406	28.62	106.9		78.35
4	428	13.46	47.6		79.63
5	463	18.21	59.6		81.60
6	475	15.91	50.8		82.25
7	500	14.45	43.8		83.68
8	512	16.96	50.2		84.27
9	547	11.85	32.8		85.95
10	634	11.22	26.8		89.50
11	676	10.01	22.4		90.74
12	745	6.17	12.5		92.07
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,094	0.00	0.0		114.68

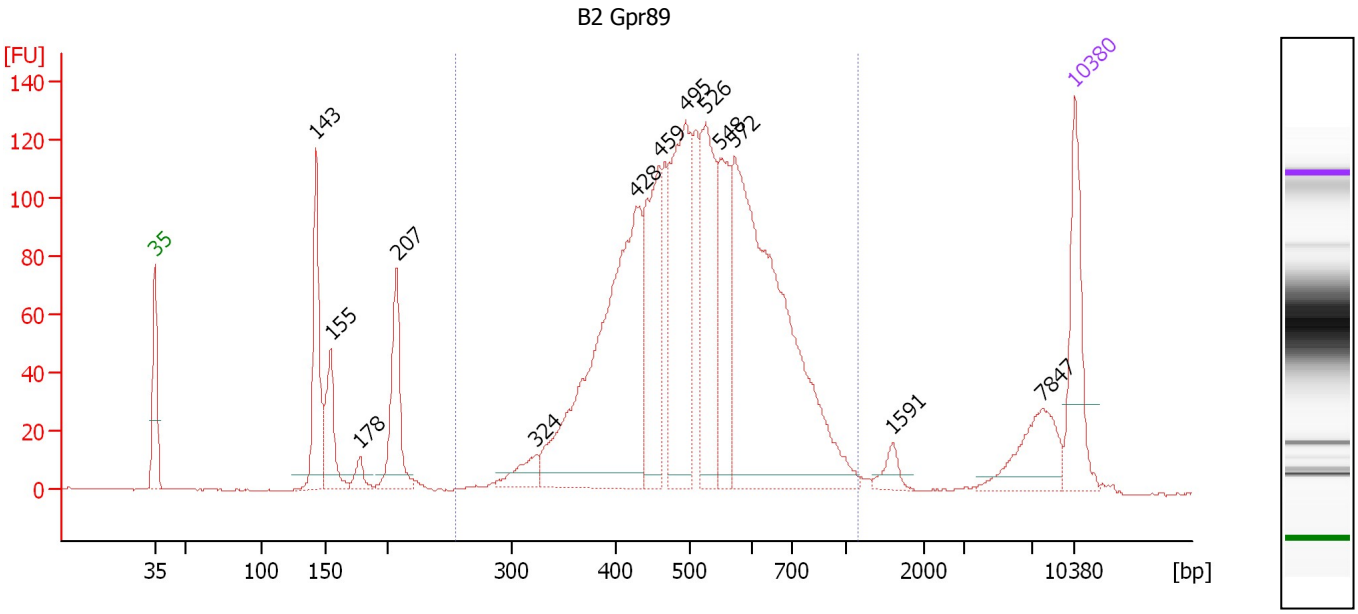
Region table for sample 4 : B1 Srgap2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
301	1,507	556	240.48	314.2	719.8	79	30.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : B2 Gpr89

Number of peaks found:	13	Corr. Area 1:	2,147.1
Noise:	0.3		

Peak table for sample 5 : B2 Gpr89

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	143	139.34	1,474.2		55.30
3	155	81.93	802.3		56.41
4	178	16.77	142.7		58.64
5	207	107.04	782.4		61.42
6	324	29.65	138.4		72.05
7	428	432.94	1,533.4		79.59
8	459	159.78	527.3		81.37
9	495	218.13	667.7		83.39
10	526	160.66	463.2		84.91
11	548	106.45	294.5		85.97
12	572	503.69	1,334.9		87.14
13	1,591	14.34	13.7		99.13
14	7,847	58.12	11.2		110.52
15	10,380	75.00	10.9	Upper Marker	113.00

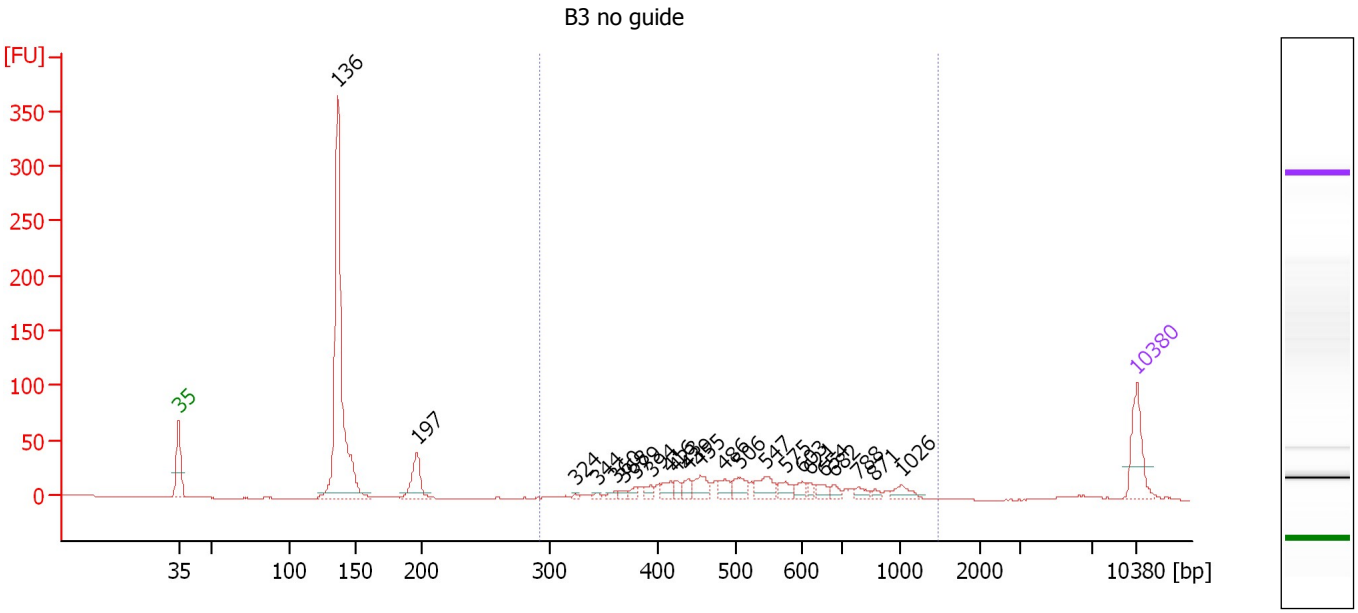
Region table for sample 5 : B2 Gpr89

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
254	1,154	526	1,831.61	2,147.1	5,669.3	81	24.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : B3 no guide

Number of peaks found:	23	Corr. Area 1:	395.7
Noise:	0.2		

Peak table for sample 6 : B3 no guide

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	136	813.98	9,060.8		54.61
3	197	92.80	715.3		60.41
4	324	4.19	19.6		71.98
5	344	6.40	28.2		73.58
6	360	9.42	39.6		74.86
7	368	10.01	41.2		75.53
8	379	12.91	51.7		76.34
9	394	14.01	53.9		77.55
10	416	23.51	85.7		78.92
11	423	15.07	54.0		79.30
12	439	21.60	74.6		80.20
13	455	42.61	141.9		81.14
14	486	27.88	86.9		82.89
15	506	34.04	101.9		83.98
16	547	45.42	125.9		85.93
17	575	22.92	60.4		87.29
18	603	20.12	50.6		88.58
19	621	10.37	25.3		89.12
20	654	17.05	39.5		90.10
21	682	13.49	30.0		90.91
22	788	15.85	30.5		92.67
23	871	7.73	13.4		93.83
24	1,026	23.10	34.1		95.78
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Electropherogram Summary Continued ...

... Region table for sample 6 : B3 no guide

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
293	1,493	570	468.79	395.7	1,401.7	42	33.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2018-12-17\2018-12-17_001_MiSeq791.xad

Created: 12/17/2018 9:29:41 AM
Modified: 12/17/2018 10:41:16 AM

Gel Image