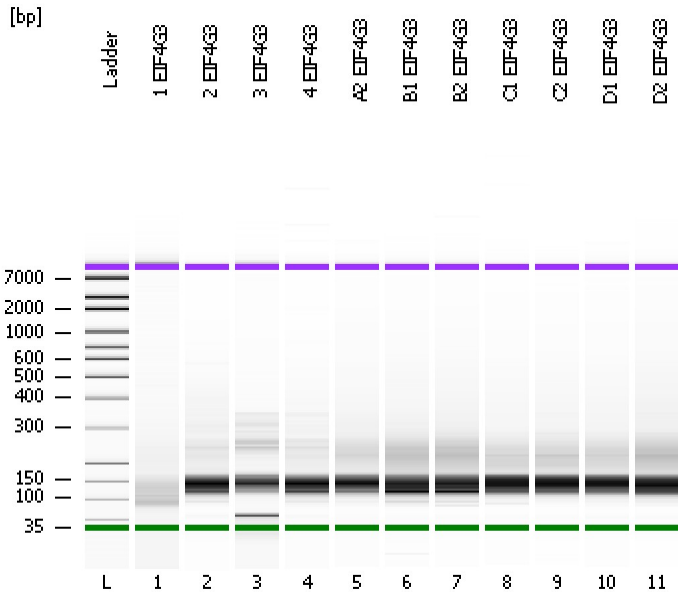


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
Modified: 4/9/2018 12:50:21 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\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

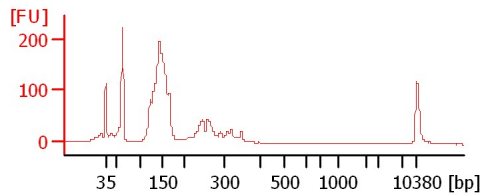
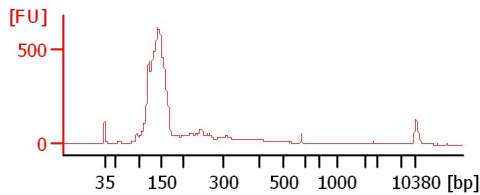
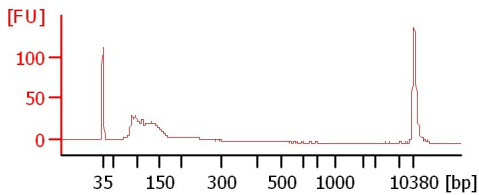
#### Chip Information:

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

1 EIF4G3

2 EIF4G3

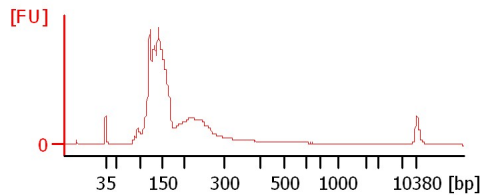
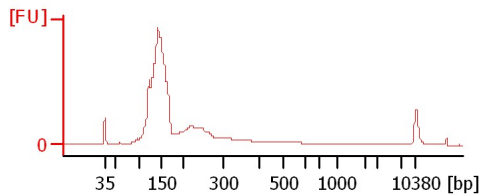
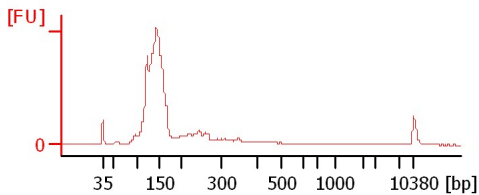
3 EIF4G3



4 EIF4G3

A2 EIF4G3

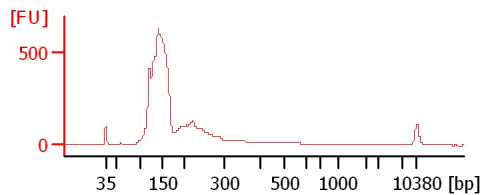
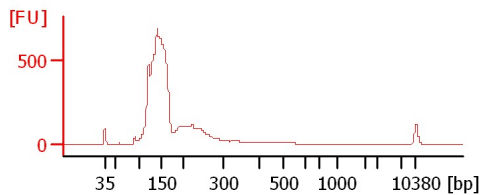
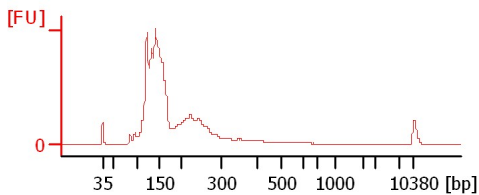
B1 EIF4G3



B2 EIF4G3

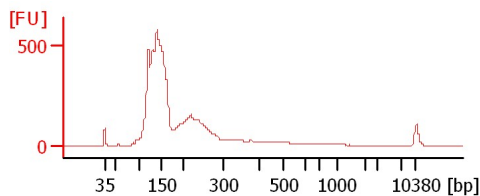
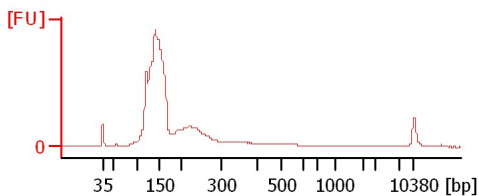
C1 EIF4G3

C2 EIF4G3



D1 EIF4G3

D2 EIF4G3



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1 EIF4G3		<input type="checkbox"/>	✓			
2 EIF4G3		<input type="checkbox"/>	✓			
3 EIF4G3		<input type="checkbox"/>	✓			
4 EIF4G3		<input type="checkbox"/>	✓			
A2 EIF4G3		<input type="checkbox"/>	✓			
B1 EIF4G3		<input type="checkbox"/>	✓			
B2 EIF4G3		<input type="checkbox"/>	✓			
C1 EIF4G3		<input type="checkbox"/>	✓			
C2 EIF4G3		<input type="checkbox"/>	✓			
D1 EIF4G3		<input type="checkbox"/>	✓			
D2 EIF4G3		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

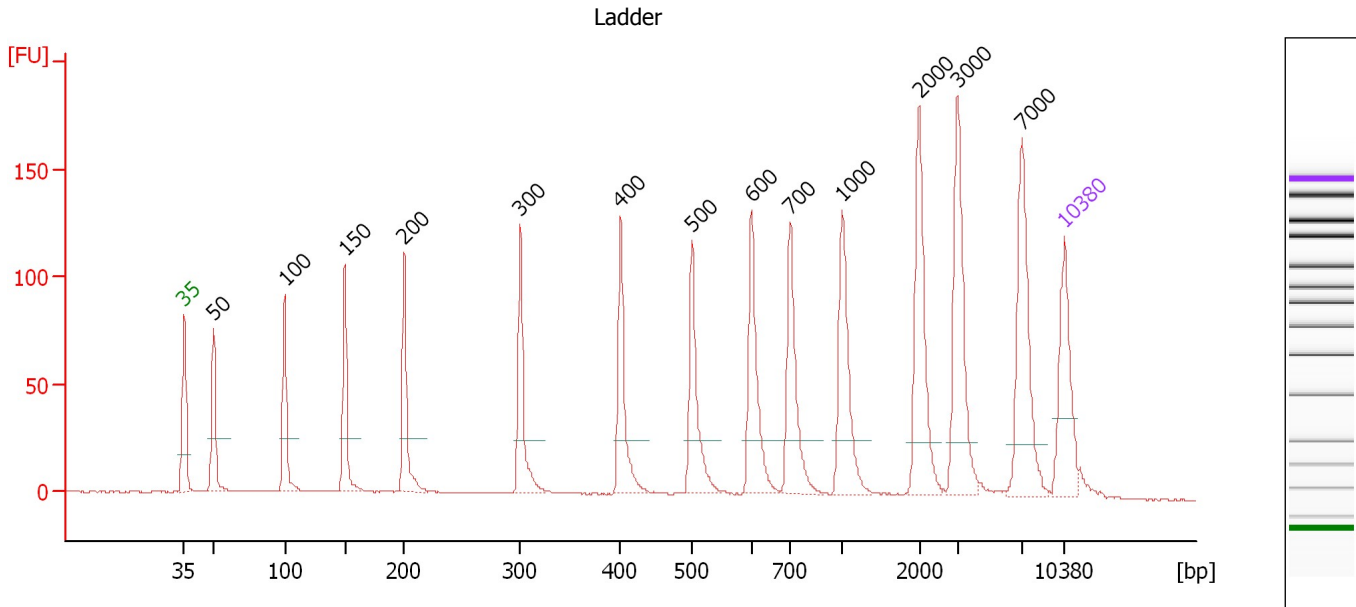
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

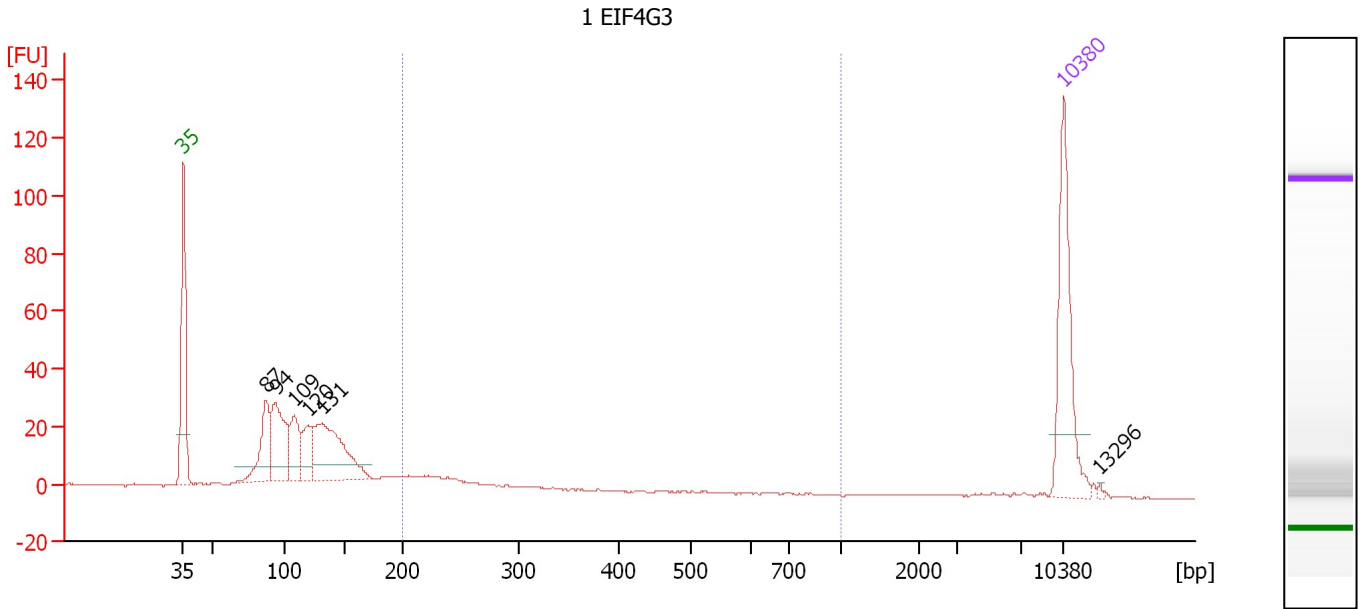
**Peak table for Ladder**

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.99
4	150	150.00	1,515.2	Ladder Peak	55.79
5	200	150.00	1,136.4	Ladder Peak	60.49
6	300	150.00	757.6	Ladder Peak	69.76
7	400	150.00	568.2	Ladder Peak	77.70
8	500	150.00	454.5	Ladder Peak	83.37
9	600	150.00	378.8	Ladder Peak	88.11
10	700	150.00	324.7	Ladder Peak	91.17
11	1,000	150.00	227.3	Ladder Peak	95.33
12	2,000	150.00	113.6	Ladder Peak	101.45
13	3,000	150.00	75.8	Ladder Peak	104.51
14	7,000	150.00	32.5	Ladder Peak	109.62
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1 EIF4G3**

Number of peaks found: 6                      Corr. Area 1: 57.3  
 Noise: 0.2

**Peak table for sample 1 : 1 EIF4G3**

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	87	62.30	1,079.4		49.57
3	94	85.18	1,367.2		50.36
4	109	45.98	640.2		51.84
5	120	36.59	460.4		52.95
6	131	115.73	1,333.5		54.01
7	10,380	75.00	10.9	Upper Marker	113.00
8	13,296	0.00	0.0		115.91

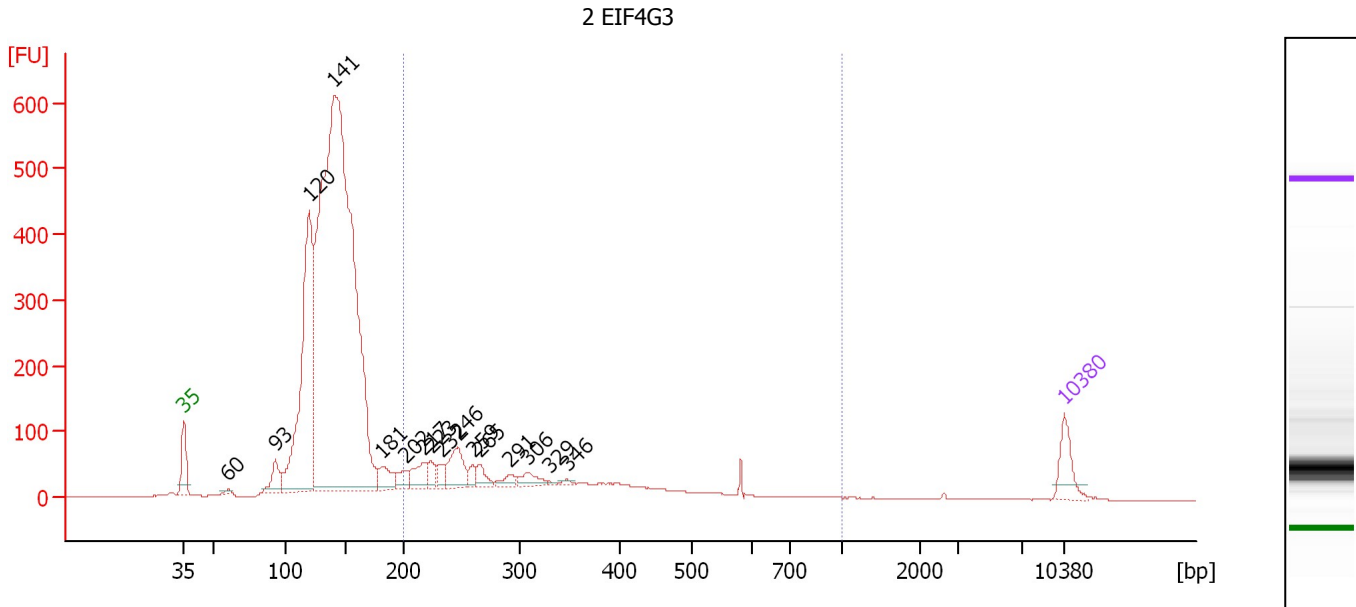
**Region table for sample 1 : 1 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	276	54.17	57.3	323.3	13	34.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 2 EIF4G3**

Number of peaks found: 16                      Corr. Area 1: 1,192.7  
 Noise: 0.3

**Peak table for sample 2 : 2 EIF4G3**

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	60	11.18	280.7		46.50
3	93	96.37	1,564.8		50.23
4	120	1,131.43	14,247.0		52.94
5	141	4,235.20	45,585.8		54.90
6	181	83.95	701.7		58.73
7	202	49.35	369.9		60.69
8	217	86.90	606.1		62.09
9	223	50.01	340.1		62.60
10	232	36.61	239.2		63.44
11	246	137.10	844.6		64.75
12	259	29.62	173.3		65.96
13	265	45.73	261.4		66.52
14	291	30.76	160.3		68.90
15	306	47.21	233.6		70.25
16	329	4.07	18.8		72.03
17	346	8.68	38.0		73.43
18	10,380	75.00	10.9	Upper Marker	113.00

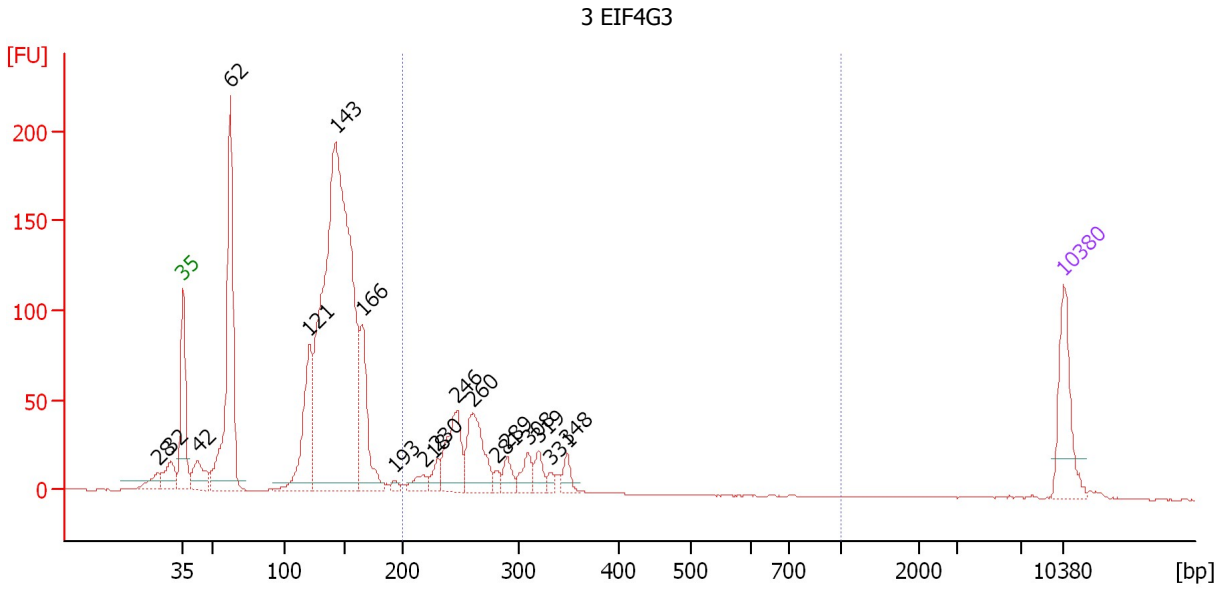
**Region table for sample 2 : 2 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	332	1,151.75	1,192.7	6,068.8	19	38.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 3 EIF4G3**

Number of peaks found: 18                      Corr. Area 1: 399.8  
 Noise: 0.3

**Peak table for sample 3 : 3 EIF4G3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	28	0.00	0.0		40.96
2	32	0.00	0.0		42.01
3	35	125.00	5,411.3	Lower Marker	43.00
4	42	61.17	2,189.8		44.14
5	62	406.23	9,851.9		46.74
6	121	183.93	2,296.1		53.04
7	143	1,185.83	12,555.0		55.12
8	166	150.18	1,373.8		57.26
9	193	8.52	67.0		59.81
10	218	22.20	154.5		62.13
11	230	23.17	153.0		63.22
12	246	104.06	640.0		64.79
13	260	111.97	653.4		66.02
14	281	11.16	60.1		68.01
15	289	25.22	132.1		68.76
16	308	30.48	149.8		70.42
17	319	25.24	119.8		71.27
18	331	10.07	46.1		72.22
19	348	19.50	85.0		73.55
20	10,380	75.00	10.9	Upper Marker	113.00

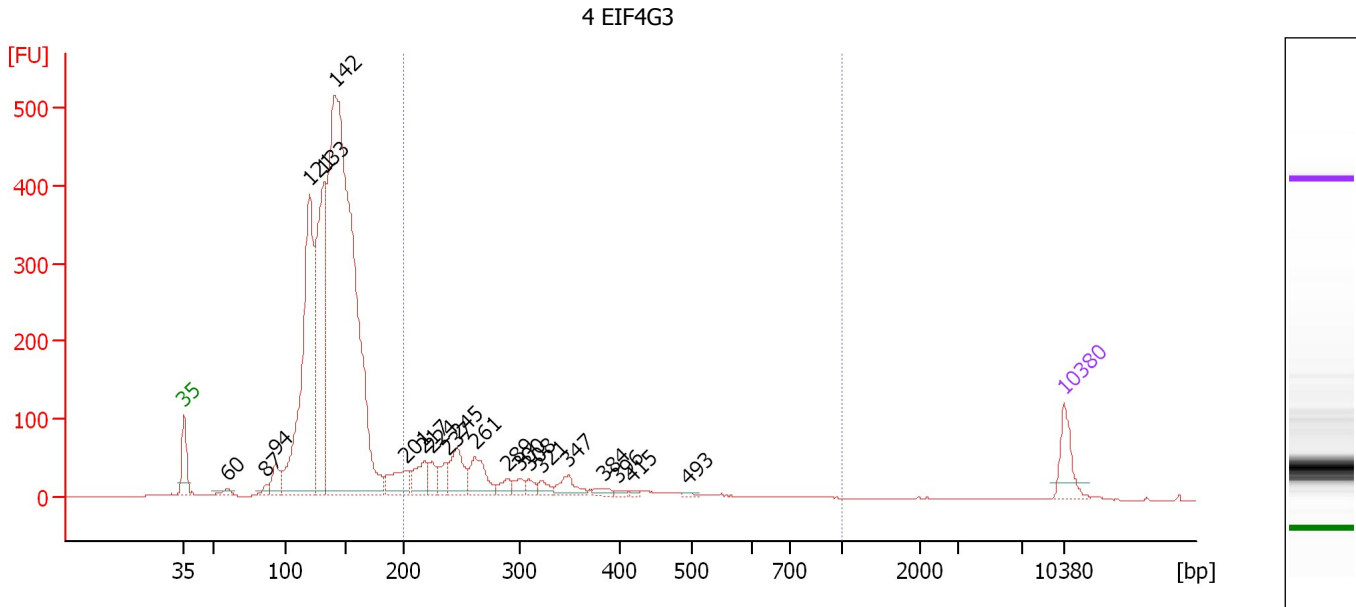
**Region table for sample 3 : 3 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	277	417.94	399.8	2,355.6	19	18.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 4 EIF4G3**

Number of peaks found: 21                      Corr. Area 1: 839.4  
 Noise: 0.3

**Peak table for sample 4 : 4 EIF4G3**


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	60	18.81	477.0		46.43
3	87	20.24	352.3		49.53
4	94	78.18	1,261.6		50.30
5	121	1,131.83	14,229.1		52.96
6	133	850.57	9,717.6		54.12
7	142	2,993.04	32,004.9		54.99
8	201	115.61	870.8		60.60
9	217	100.23	698.7		62.10
10	224	55.38	375.3		62.68
11	237	59.28	378.7		63.93
12	245	128.45	792.7		64.71
13	261	123.86	720.1		66.11
14	289	35.37	185.6		68.72
15	300	31.59	159.7		69.73
16	308	25.99	127.8		70.41
17	321	30.20	142.5		71.43
18	347	56.19	245.2		73.50
19	384	18.68	73.8		76.40
20	396	9.62	36.8		77.42
21	415	7.13	26.0		78.58
22	493	5.88	18.1		82.98
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**

... Region table for sample 4 : 4 EIF4G3

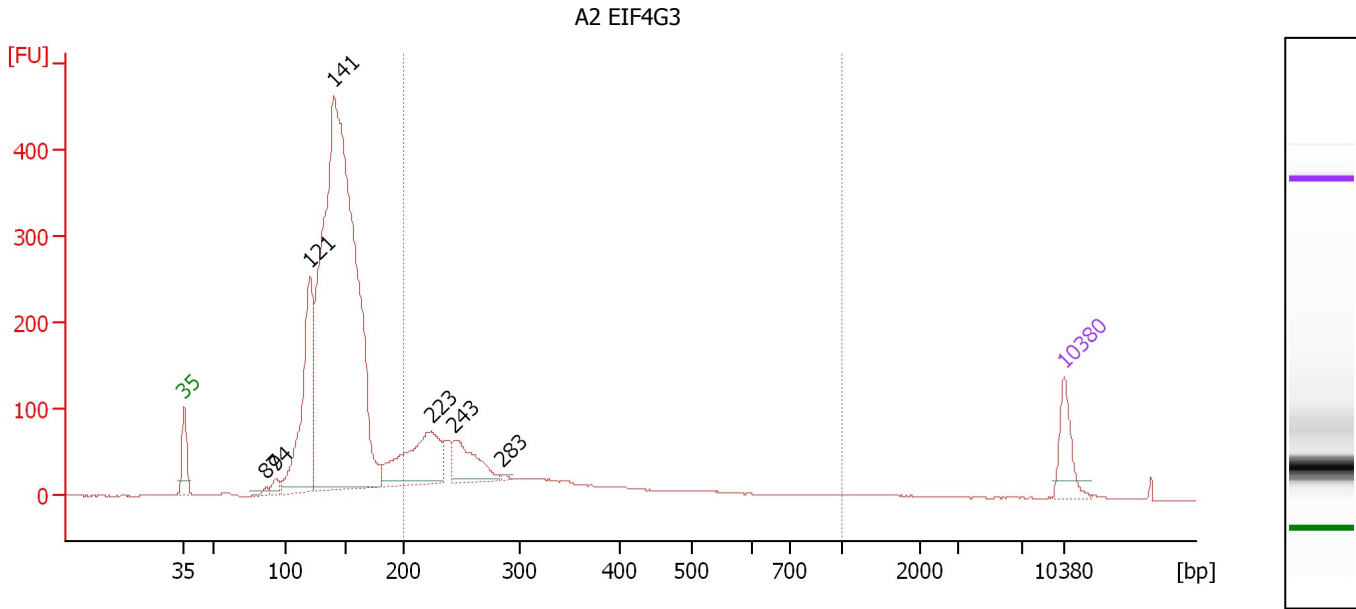
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	312	895.05	839.4	4,911.4	 17	37.6



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : A2 EIF4G3**

Number of peaks found: 7                      Corr. Area 1: 1,068.4  
 Noise: 0.3

**Peak table for sample 5 : A2 EIF4G3**

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	87	11.95	208.2		49.52
3	94	29.04	468.2		50.31
4	121	587.17	7,342.0		53.02
5	141	2,828.66	30,453.1		54.90
6	223	327.99	2,225.6		62.65
7	243	155.07	966.9		64.47
8	283	4.74	25.3		68.23
9	10,380	75.00	10.9	Upper Marker	113.00

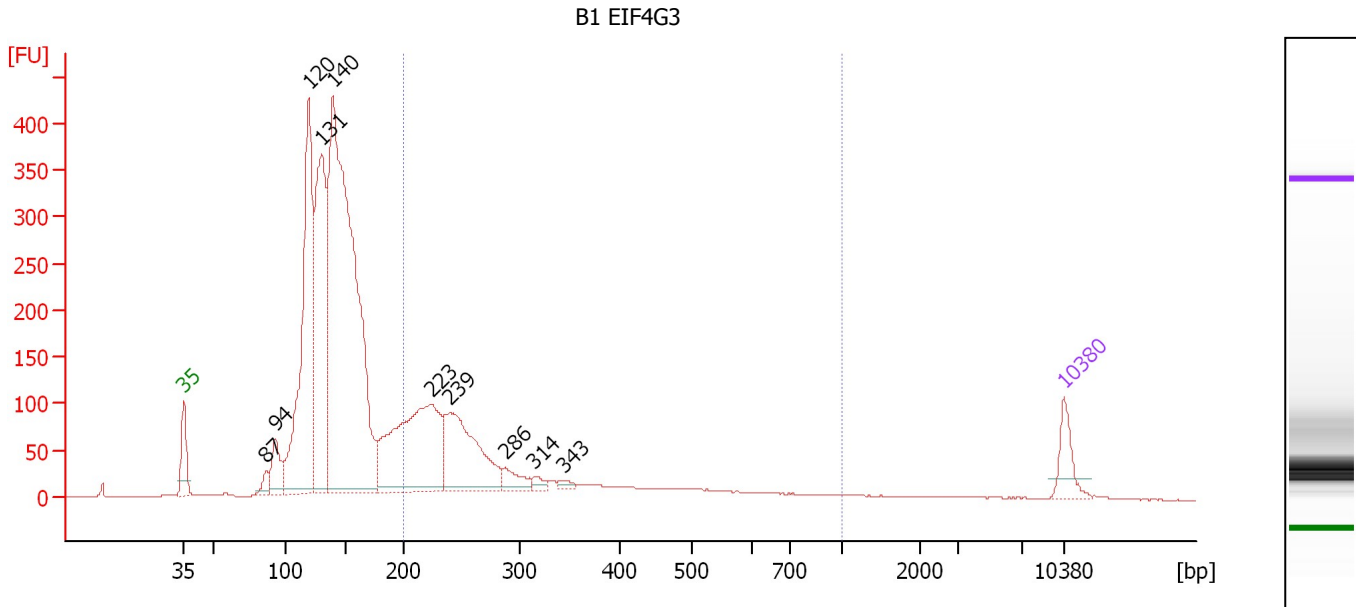
**Region table for sample 5 : A2 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	315	960.52	1,068.4	5,365.7	24	43.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : B1 EIF4G3**

Number of peaks found: 10                      Corr. Area 1: 1,346.4  
 Noise: 0.2

**Peak table for sample 6 : B1 EIF4G3**

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	87	43.77	763.6		49.50
3	94	140.56	2,277.3		50.26
4	120	1,203.14	15,165.6		52.93
5	131	925.09	10,723.1		53.94
6	140	2,620.43	28,324.7		54.84
7	223	804.43	5,470.0		62.60
8	239	495.03	3,136.5		64.12
9	286	67.91	359.2		68.50
10	314	24.35	117.5		70.87
11	343	17.44	77.2		73.14
12	10,380	75.00	10.9	Upper Marker	113.00

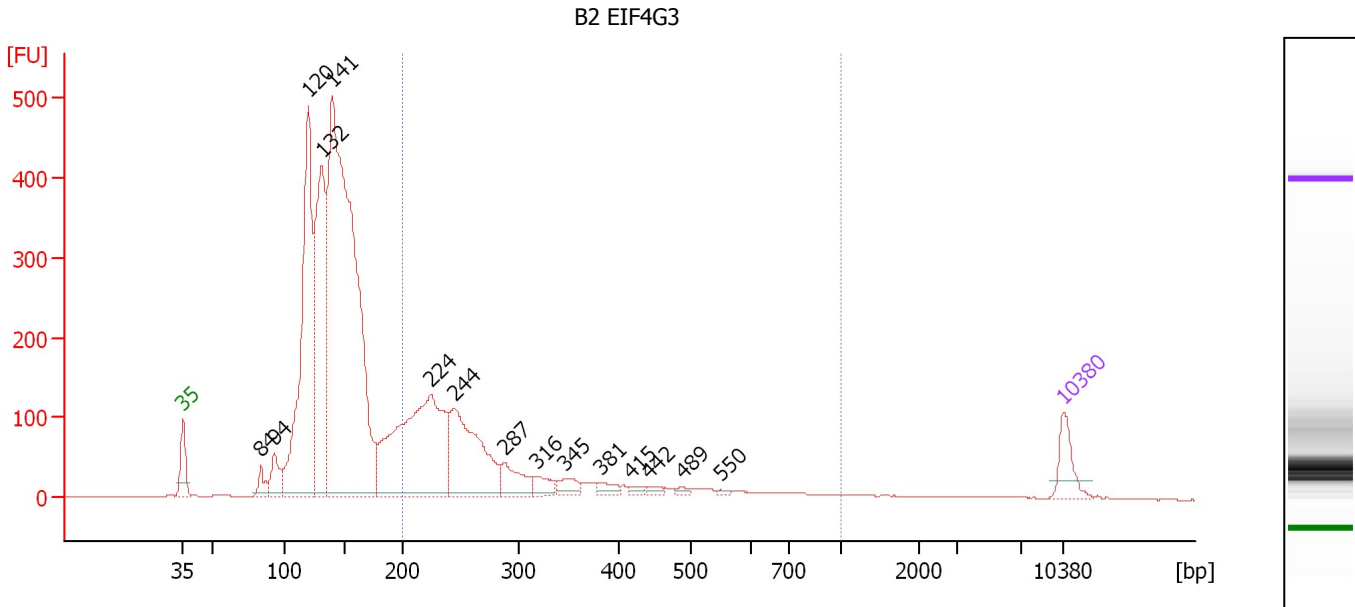
**Region table for sample 6 : B1 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	305	1,570.03	1,346.4	8,994.4	26	43.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : B2 EIF4G3**

Number of peaks found: 15                      Corr. Area 1: 1,699.3  
 Noise: 0.2

**Peak table for sample 7 : B2 EIF4G3**

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	84	59.53	1,070.8		49.21
3	94	113.05	1,827.2		50.28
4	120	1,290.05	16,232.1		52.95
5	132	913.47	10,513.2		54.03
6	141	2,903.67	31,259.8		54.90
7	224	1,018.76	6,897.9		62.69
8	244	524.47	3,253.5		64.59
9	287	122.93	648.1		68.59
10	316	53.19	254.8		71.05
11	345	53.22	233.5		73.36
12	381	34.68	138.0		76.18
13	415	17.35	63.4		78.54
14	442	17.18	58.9		80.08
15	489	12.33	38.2		82.74
16	550	6.59	18.2		85.72
17	10,380	75.00	10.9	Upper Marker	113.00

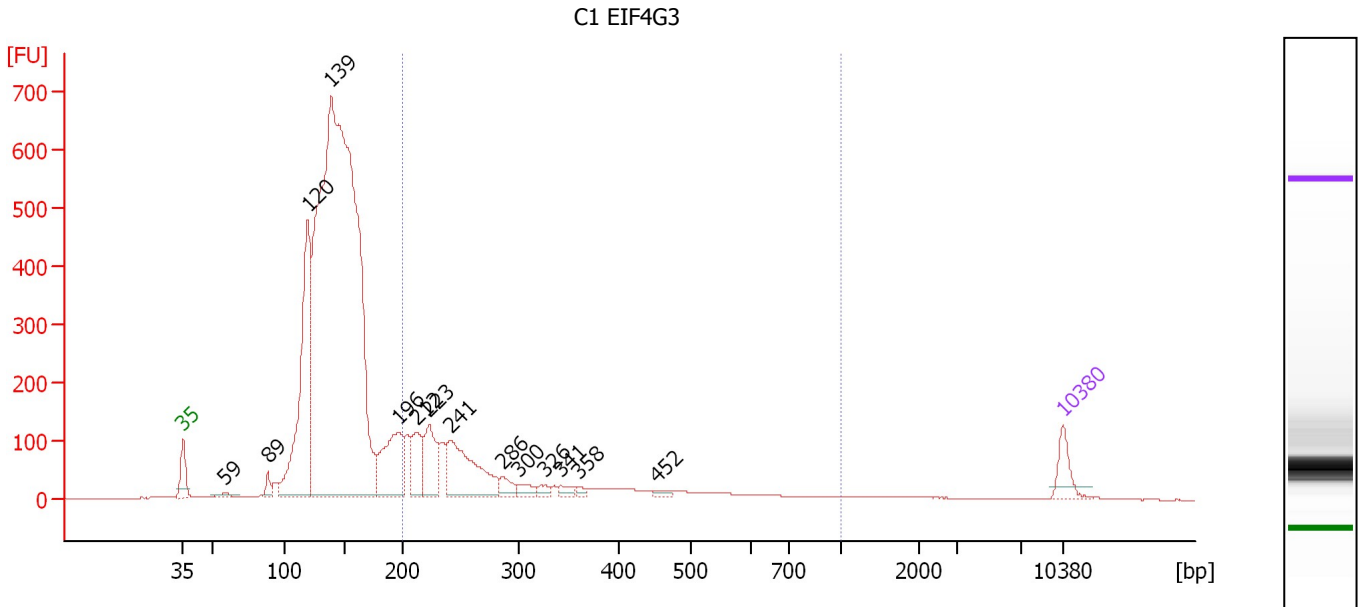
**Region table for sample 7 : B2 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	309	1,828.55	1,699.3	10,373.4	28	42.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : C1 EIF4G3**

Number of peaks found: 14                      Corr. Area 1: 1,527.1  
 Noise: 0.2

**Peak table for sample 8 : C1 EIF4G3**

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	59	27.50	709.5		46.32
3	89	48.03	818.4		49.74
4	120	1,161.89	14,686.0		52.90
5	139	5,613.26	61,044.3		54.76
6	196	395.44	3,050.6		60.15
7	212	181.54	1,297.4		61.60
8	223	234.87	1,598.5		62.59
9	241	448.69	2,820.1		64.30
10	286	59.15	313.6		68.44
11	300	44.05	222.7		69.74
12	326	24.87	115.7		71.81
13	341	31.95	142.0		73.00
14	358	15.75	66.6		74.40
15	452	16.82	56.3		80.67
16	10,380	75.00	10.9	Upper Marker	113.00

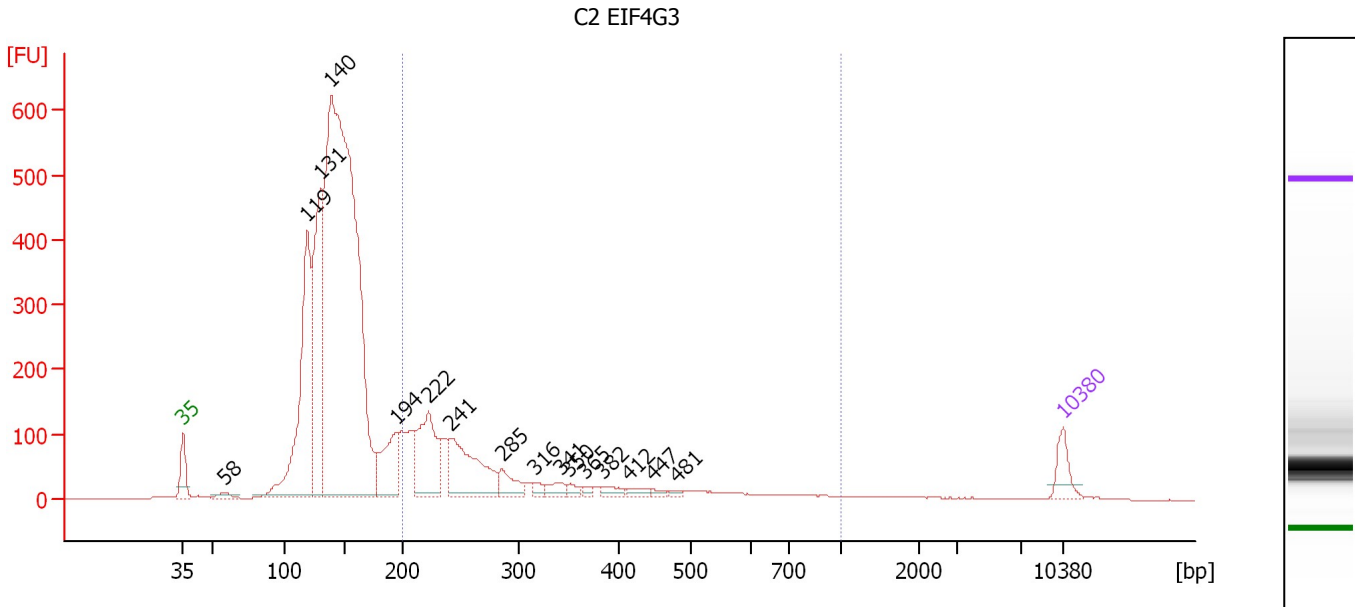
**Region table for sample 8 : C1 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	308	1,583.78	1,527.1	9,028.1	21	42.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : C2 EIF4G3**

Number of peaks found: 16                      Corr. Area 1: 1,570.1  
 Noise: 0.2

**Peak table for sample 9 : C2 EIF4G3**

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	58	30.22	783.5		46.28
3	119	1,155.50	14,663.0		52.85
4	131	1,056.63	12,238.4		53.95
5	140	4,418.45	47,986.3		54.78
6	194	299.52	2,337.3		59.94
7	222	431.83	2,944.7		62.55
8	241	448.60	2,823.2		64.27
9	285	105.29	559.4		68.38
10	316	28.68	137.7		70.99
11	341	46.27	205.5		73.02
12	350	28.56	123.8		73.70
13	365	17.39	72.2		74.90
14	382	32.50	128.8		76.31
15	412	25.45	93.5		78.39
16	447	14.39	48.8		80.37
17	481	10.29	32.4		82.30
18	10,380	75.00	10.9	Upper Marker	113.00

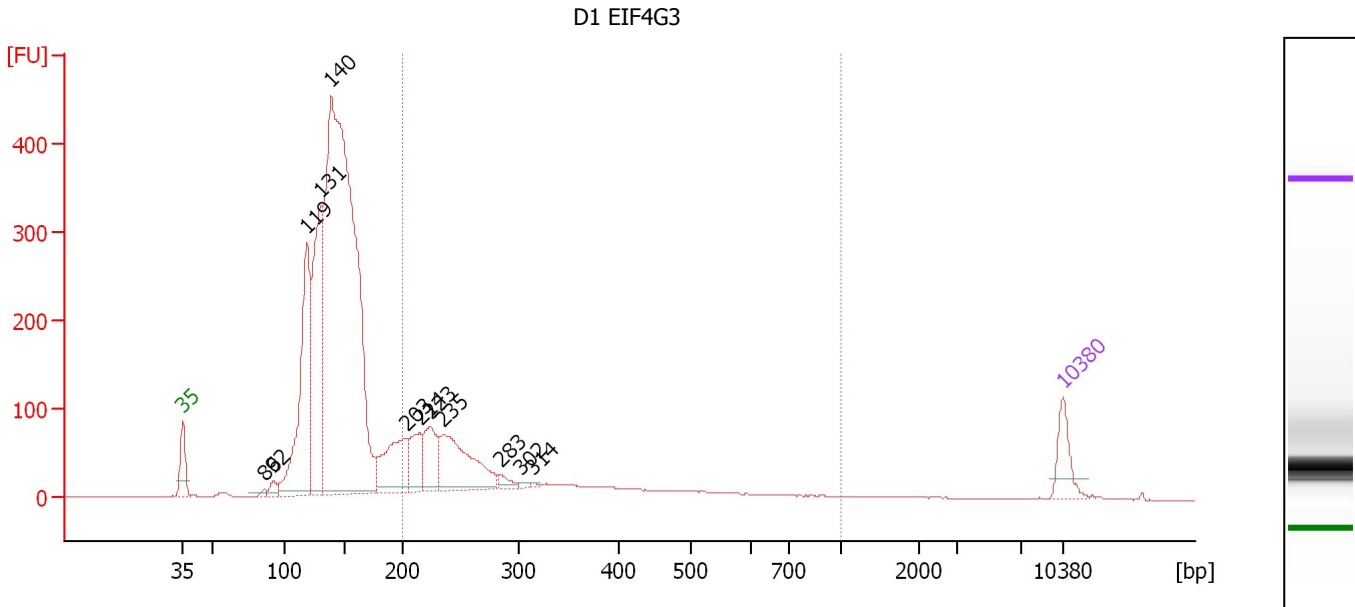
**Region table for sample 9 : C2 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	313	1,796.50	1,570.1	10,152.8	23	43.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : D1 EIF4G3**

Number of peaks found: 12                      Corr. Area 1: 1,053.1  
 Noise: 0.2

**Peak table for sample 10 : D1 EIF4G3**

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	86	13.98	245.2		49.45
3	92	35.61	583.9		50.13
4	119	734.78	9,361.7		52.81
5	131	713.77	8,258.5		53.96
6	140	3,020.95	32,764.4		54.80
7	203	269.58	2,016.8		60.72
8	214	123.57	873.3		61.82
9	223	176.02	1,196.5		62.61
10	235	347.89	2,245.2		63.71
11	283	27.90	149.1		68.22
12	302	7.26	36.5		69.90
13	314	4.95	23.9		70.84
14	10,380	75.00	10.9	Upper Marker	113.00

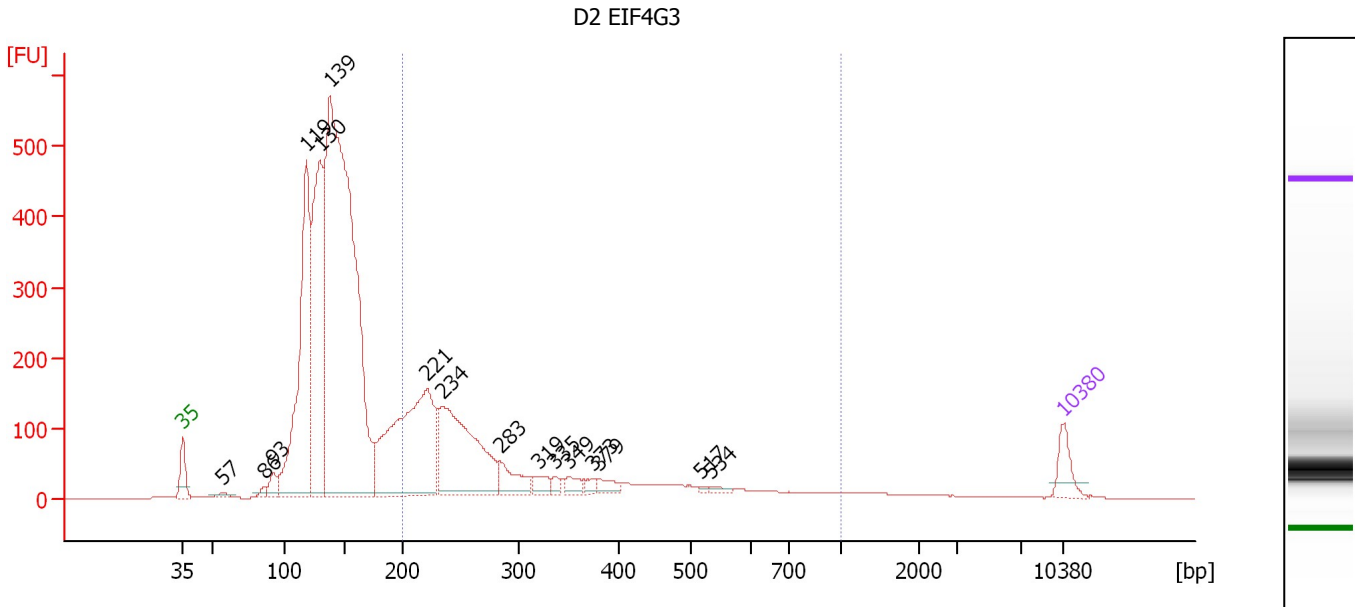
**Region table for sample 10 : D1 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	310	1,190.13	1,053.1	6,745.9	23	42.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
 Modified: 4/9/2018 12:50:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : D2 EIF4G3**

Number of peaks found: 16                      Corr. Area 1: 2,041.8  
 Noise: 0.2

**Peak table for sample 11 : D2 EIF4G3**

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	57	24.47	645.0		46.17
3	86	24.56	432.8		49.40
4	93	66.63	1,091.2		50.14
5	119	1,348.23	17,203.0		52.79
6	130	1,183.66	13,818.8		53.85
7	139	3,815.51	41,707.7		54.69
8	221	1,122.90	7,704.9		62.42
9	234	803.74	5,205.5		63.63
10	283	139.07	744.5		68.19
11	319	58.73	278.5		71.31
12	335	29.29	132.3		72.58
13	349	48.70	211.2		73.69
14	373	26.71	108.4		75.59
15	379	45.35	181.1		76.07
16	517	7.04	20.6		84.16
17	534	14.48	41.1		84.96
18	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 11 : D2 EIF4G3**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	322	2,374.87	2,041.8	13,249.2	29	45.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-09\2018-04-09\_003.xad

Created: 4/9/2018 12:09:53 PM  
Modified: 4/9/2018 12:50:21 PM

**Gel Image**

