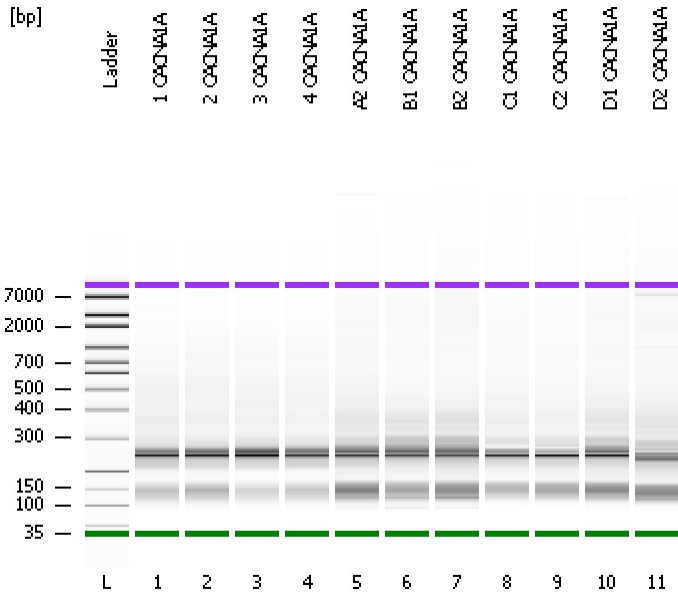


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
Modified: 4/10/2018 1:50:58 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

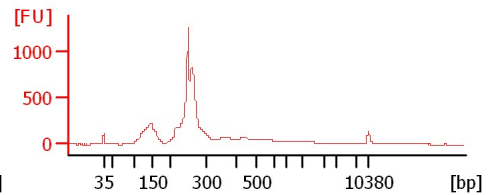
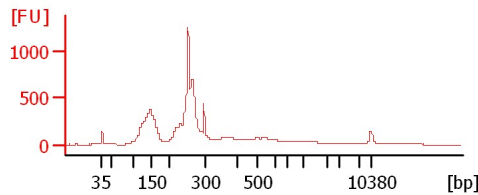
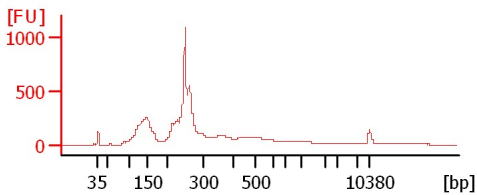
Chip Information:

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

**1 CACNA1A**

**2 CACNA1A**

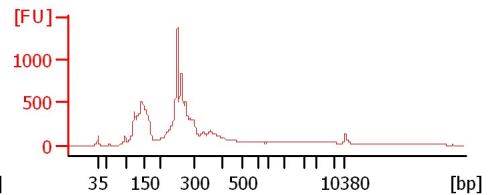
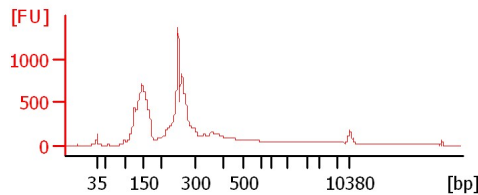
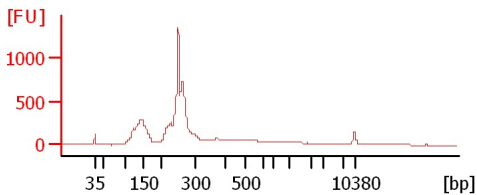
**3 CACNA1A**



**4 CACNA1A**

**A2 CACNA1A**

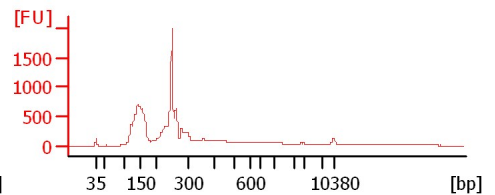
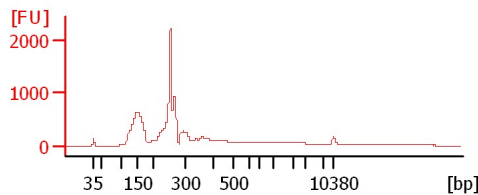
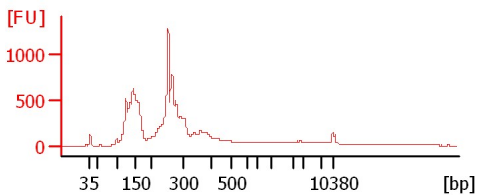
**B1 CACNA1A**



**B2 CACNA1A**

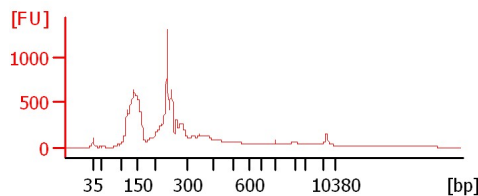
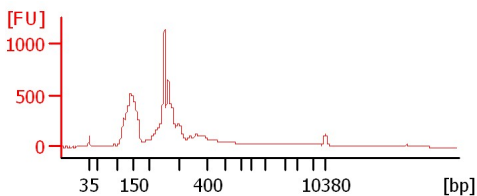
**C1 CACNA1A**

**C2 CACNA1A**



**D1 CACNA1A**

**D2 CACNA1A**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
Modified: 4/10/2018 1:50:58 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1 CACNA1A		<input type="checkbox"/>	✓			
2 CACNA1A		<input type="checkbox"/>	✓			
3 CACNA1A		<input type="checkbox"/>	✓			
4 CACNA1A		<input type="checkbox"/>	✓			
A2 CACNA1A		<input type="checkbox"/>	✓			
B1 CACNA1A		<input type="checkbox"/>	✓			
B2 CACNA1A		<input type="checkbox"/>	✓			
C1 CACNA1A		<input type="checkbox"/>	✓			
C2 CACNA1A		<input type="checkbox"/>	✓			
D1 CACNA1A		<input type="checkbox"/>	✓			
D2 CACNA1A		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

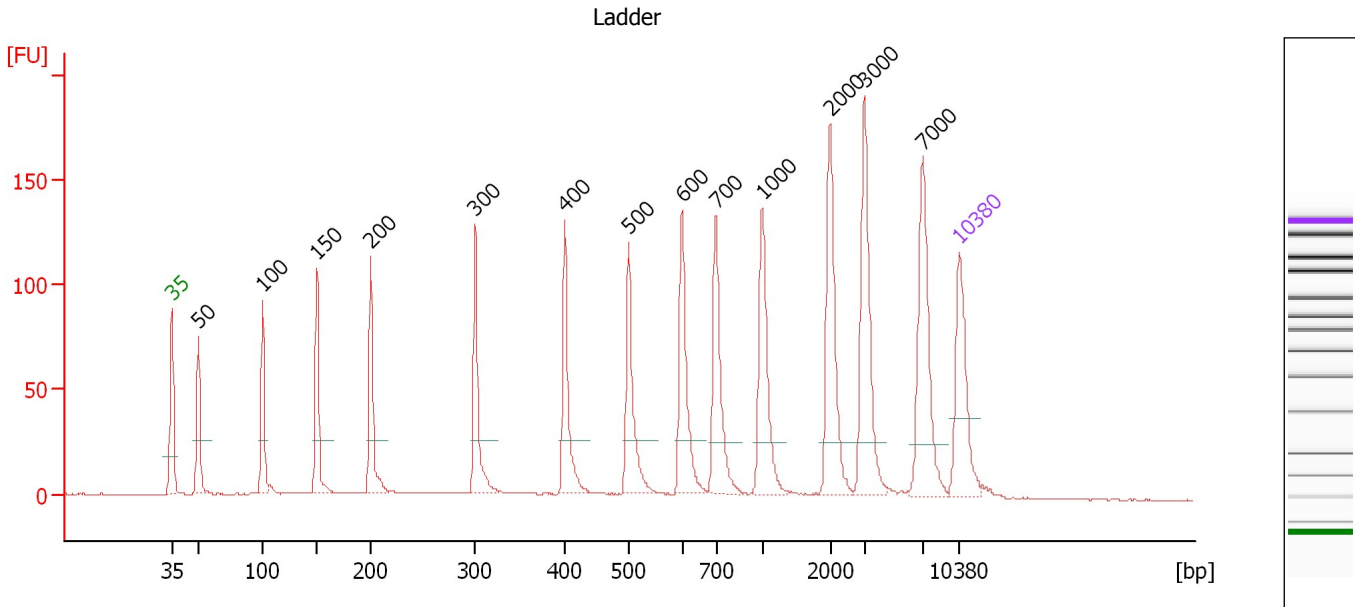
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

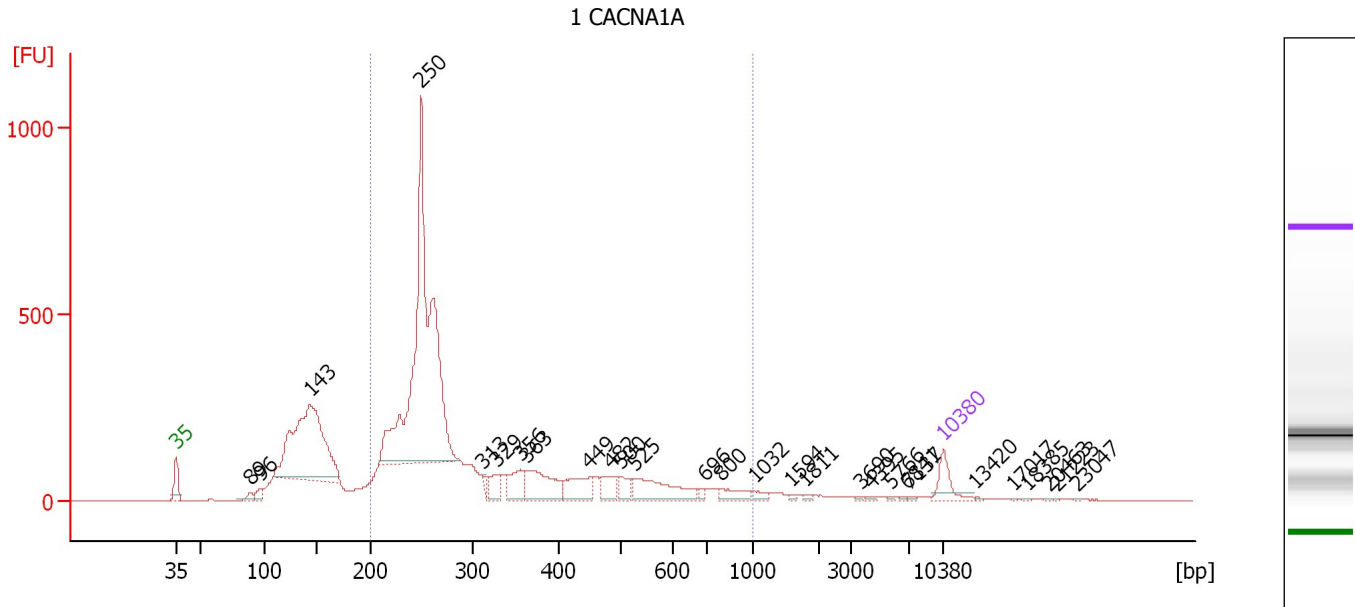
**Peak table for Ladder**

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	45.32
3	100	150.00	2,272.7	Ladder Peak	51.06
4	150	150.00	1,515.2	Ladder Peak	55.90
5	200	150.00	1,136.4	Ladder Peak	60.69
6	300	150.00	757.6	Ladder Peak	69.99
7	400	150.00	568.2	Ladder Peak	77.95
8	500	150.00	454.5	Ladder Peak	83.60
9	600	150.00	378.8	Ladder Peak	88.34
10	700	150.00	324.7	Ladder Peak	91.37
11	1,000	150.00	227.3	Ladder Peak	95.50
12	2,000	150.00	113.6	Ladder Peak	101.52
13	3,000	150.00	75.8	Ladder Peak	104.56
14	7,000	150.00	32.5	Ladder Peak	109.78
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1 CACNA1A**

Number of peaks found: 28                      Corr. Area 1: 5,870.5  
 Noise: 0.3

**Peak table for sample 1 : 1 CACNA1A**

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	89	33.64	574.5		49.77
3	96	49.41	777.3		50.64
4	143	1,251.28	13,296.5		55.18
5	250	2,215.93	13,403.8		65.38
6	313	11.92	57.8		70.99
7	329	85.70	394.7		72.30
8	356	129.82	553.0		74.42
9	363	241.60	1,008.5		75.00
10	449	141.84	478.9		80.71
11	482	84.15	264.4		82.59
12	500	64.12	194.2		83.61
13	525	219.89	635.0		84.77
14	596	15.30	33.3		91.25
15	800	59.29	112.3		92.74
16	1,032	20.34	29.9		95.69
17	1,594	7.11	6.8		99.08
18	1,811	7.08	5.9		100.38
19	3,690	3.64	1.5		105.46
20	4,395	6.49	2.2		106.38
21	5,766	3.59	0.9		108.17
22	6,841	3.55	0.8		109.57
23	7,137	4.99	1.1		109.91
24	10,380	75.00	10.9	Upper Marker	113.00
25	13,420	0.00	0.0		115.90

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 1 : 1 CACNA1A

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	17,017	0.00	0.0		119.33
27	18,385	0.00	0.0		120.64
28	20,463	0.00	0.0		122.62
29	21,223	0.00	0.0		123.35
30	23,047	0.00	0.0		125.09

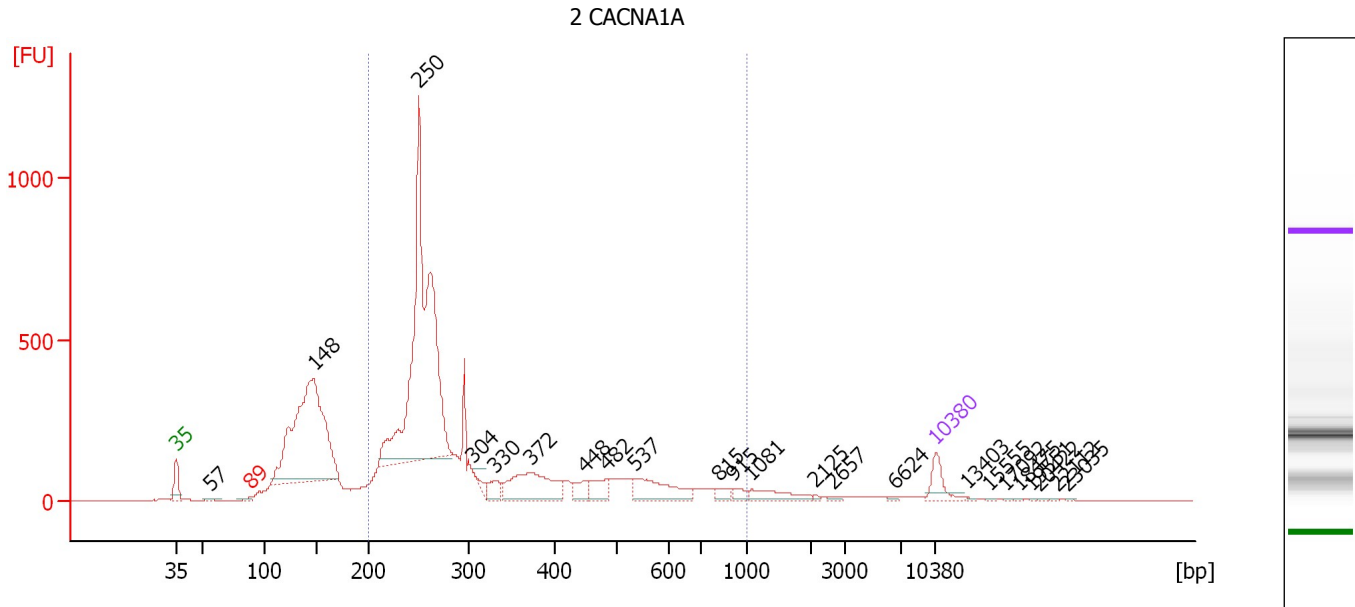
#### Region table for sample 1 : 1 CACNA1A

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	329	4,718.18	5,870.5	25,329.6	69	42.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 2 CACNA1A**

Number of peaks found: 23                      Corr. Area 1: 6,661.6  
 Noise: 0.4

**Peak table for sample 2 : 2 CACNA1A**

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	6.66	176.9		46.13
3	89	15.44	262.9	excluded peak	49.79
4	148	1,729.15	17,758.8		55.66
5	250	2,230.60	13,517.6		65.34
6	304	22.68	112.9		70.33
7	330	74.56	342.3		72.38
8	372	351.40	1,432.2		75.70
9	448	64.72	218.6		80.69
10	482	90.79	285.2		82.59
11	537	204.64	577.8		85.33
12	815	36.25	67.4		92.96
13	915	31.30	51.8		94.33
14	1,081	82.04	115.0		95.99
15	2,125	5.42	3.9		101.90
16	2,657	10.34	5.9		103.52
17	6,624	6.57	1.5		109.28
18	10,380	75.00	10.9	Upper Marker	113.00
19	13,403	0.00	0.0		115.88
20	15,555	0.00	0.0		117.94
21	17,092	0.00	0.0		119.40
22	18,475	0.00	0.0		120.72
23	19,551	0.00	0.0		121.75
24	20,422	0.00	0.0		122.58
25	22,112	0.00	0.0		124.19

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...****... Peak table for sample 2 : 2 CACNA1A**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	23,035	0.00	0.0		125.07

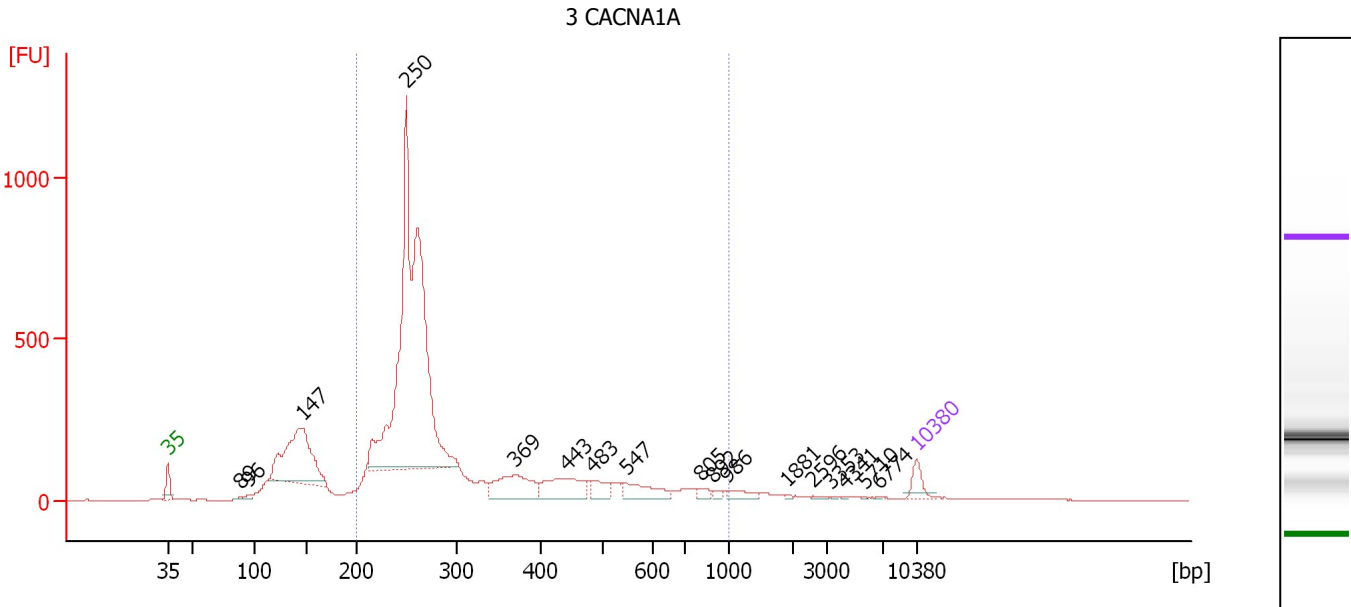
**Region table for sample 2 : 2 CACNA1A**

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	330	4,799.26	6,661.6	25,731.7	 67	43.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 3 CACNA1A**

Number of peaks found: 17                      Corr. Area 1: 6,955.1  
 Noise: 0.4

**Peak table for sample 3 : 3 CACNA1A**

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	89	10.20	173.7		49.79
3	96	25.49	403.1		50.58
4	147	1,089.74	11,245.9		55.59
5	250	3,855.46	23,395.2		65.31
6	369	348.49	1,431.5		75.47
7	443	292.96	1,002.0		80.38
8	483	99.39	311.5		82.66
9	547	172.97	479.0		85.83
10	805	35.01	65.9		92.82
11	892	22.11	37.6		94.01
12	986	55.10	84.7		95.30
13	1,881	6.50	5.2		100.80
14	2,596	10.71	6.3		103.33
15	3,353	4.14	1.9		105.02
16	4,341	3.15	1.1		106.31
17	5,710	2.71	0.7		108.09
18	6,774	3.52	0.8		109.48
19	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 3 : 3 CACNA1A**

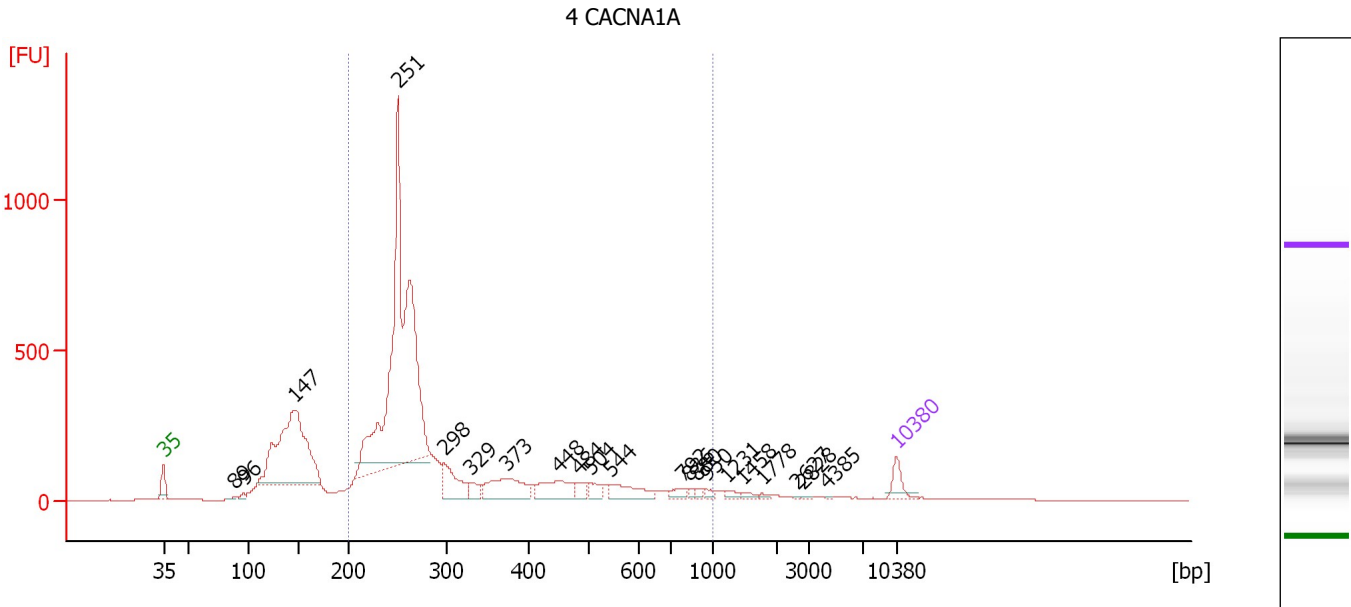
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	321	6,680.26	6,955.1	36,236.4	76	42.3



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 4 CACNA1A**

Number of peaks found: 21                      Corr. Area 1: 6,704.8  
 Noise: 0.4

**Peak table for sample 4 : 4 CACNA1A**

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	89	11.88	201.5		49.84
3	96	32.30	507.7		50.65
4	147	1,669.31	17,202.6		55.61
5	251	3,307.19	20,000.2		65.39
6	298	283.98	1,444.1		69.79
7	329	77.21	355.2		72.33
8	373	319.63	1,297.5		75.82
9	448	223.44	755.0		80.68
10	484	69.63	217.8		82.71
11	504	74.76	224.8		83.77
12	544	163.19	454.2		85.70
13	792	47.13	90.2		92.64
14	836	18.01	32.6		93.25
15	880	19.31	33.2		93.85
16	950	22.32	35.6		94.82
17	1,231	26.78	33.0		96.89
18	1,458	22.77	23.7		98.26
19	1,778	11.85	10.1		100.19
20	2,627	3.89	2.2		103.43
21	2,828	5.81	3.1		104.03
22	4,385	3.31	1.1		106.36
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**

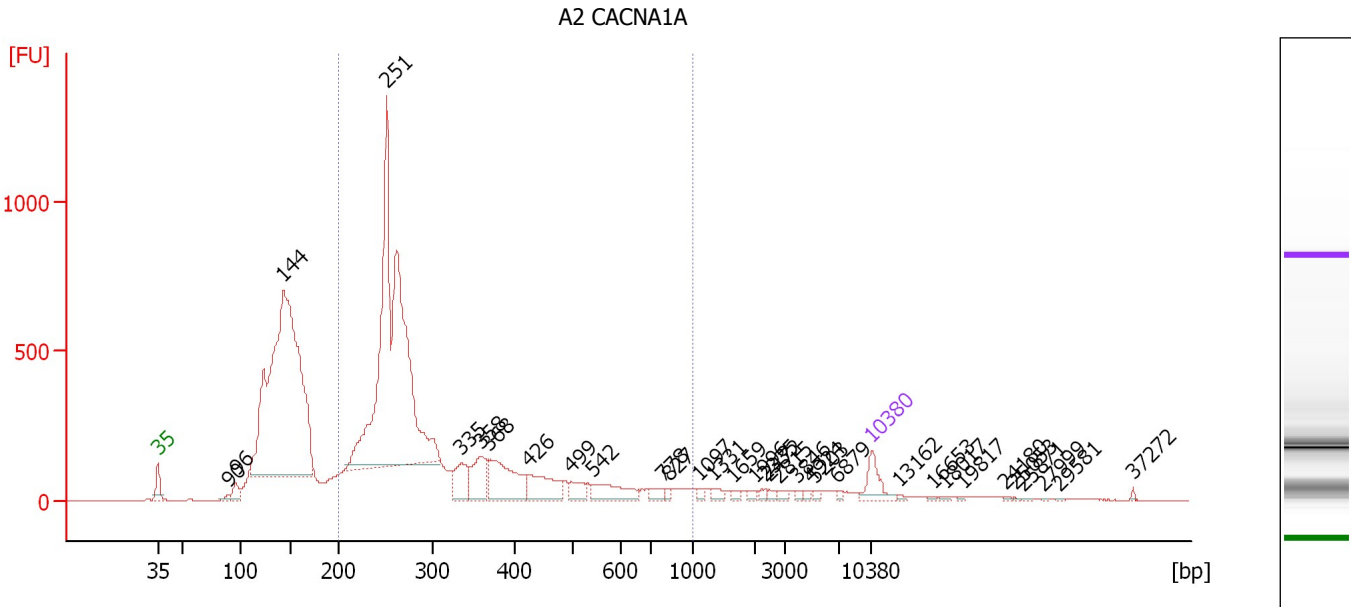
... Region table for sample 4 : 4 CACNA1A

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	324	6,300.90	6,704.8	34,188.9	 71	43.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : A2 CACNA1A**

Number of peaks found: 33                      Corr. Area 1: 8,114.5  
 Noise: 0.4

**Peak table for sample 5 : A2 CACNA1A**

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	90	15.12	254.4		49.92
3	96	61.42	969.7		50.60
4	144	2,824.67	29,799.3		55.28
5	251	2,417.81	14,594.4		65.43
6	335	144.75	654.8		72.77
7	358	169.46	717.6		74.59
8	368	292.27	1,202.5		75.42
9	426	164.29	584.0		79.43
10	499	61.02	185.3		83.54
11	542	122.66	343.1		85.57
12	778	27.58	53.7		92.44
13	827	13.56	24.8		93.12
14	1,097	13.39	18.5		96.09
15	1,331	20.06	22.8		97.49
16	1,659	12.05	11.0		99.47
17	1,996	14.10	10.7		101.50
18	2,335	10.31	6.7		102.54
19	2,472	11.57	7.1		102.96
20	2,815	14.76	7.9		104.00
21	3,846	10.33	4.1		105.66
22	4,924	10.04	3.1		107.07
23	5,203	10.92	3.2		107.43
24	6,879	7.43	1.6		109.62
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad


Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : A2 CACNA1A**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,162	0.00	0.0		115.65
27	16,653	0.00	0.0		118.99
28	18,017	0.00	0.0		120.29
29	19,817	0.00	0.0		122.00
30	24,180	0.00	0.0		126.17
31	25,053	0.00	0.0		127.00
32	25,871	0.00	0.0		127.78
33	27,999	0.00	0.0		129.81
34	29,581	0.00	0.0		131.32
35	37,272	0.00	0.0		138.66

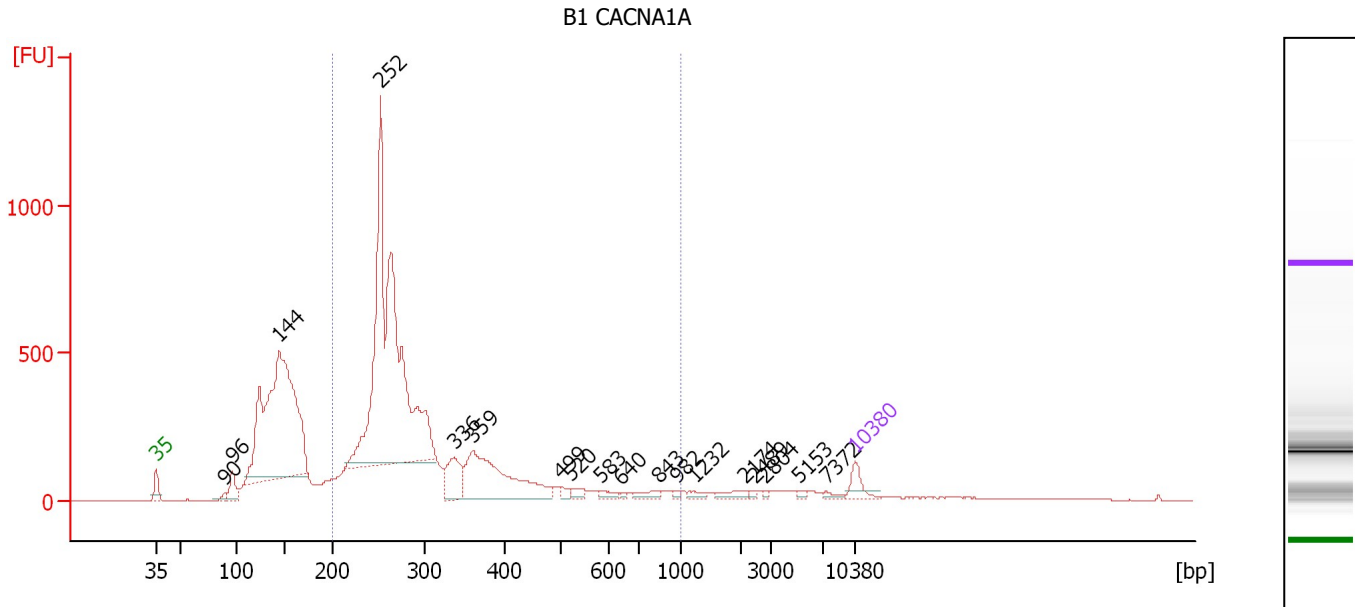
**Region table for sample 5 : A2 CACNA1A**

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	326	4,688.48	8,114.5	24,886.3	 57	40.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
 Modified: 4/10/2018 1:50:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : B1 CACNA1A**

Number of peaks found: 18                      Corr. Area 1: 8,000.0  
 Noise: 0.3

**Peak table for sample 6 : B1 CACNA1A**

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	90	42.31	712.6		49.91
3	96	156.75	2,474.5		50.60
4	144	3,167.29	33,297.6		55.33
5	252	3,852.40	23,202.6		65.48
6	336	281.29	1,270.1		72.82
7	359	917.00	3,871.2		74.68
8	499	35.03	106.3		83.55
9	520	45.00	131.0		84.56
10	583	40.59	105.5		87.54
11	640	12.68	30.0		89.56
12	843	47.71	85.8		93.33
13	982	14.50	22.4		95.25
14	1,232	31.27	38.5		96.90
15	2,174	44.51	31.0		102.05
16	2,489	13.92	8.5		103.01
17	2,804	11.15	6.0		103.96
18	5,153	13.60	4.0		107.37
19	7,372	16.58	3.4		110.13
20	10,380	75.00	10.9	Upper Marker	113.00

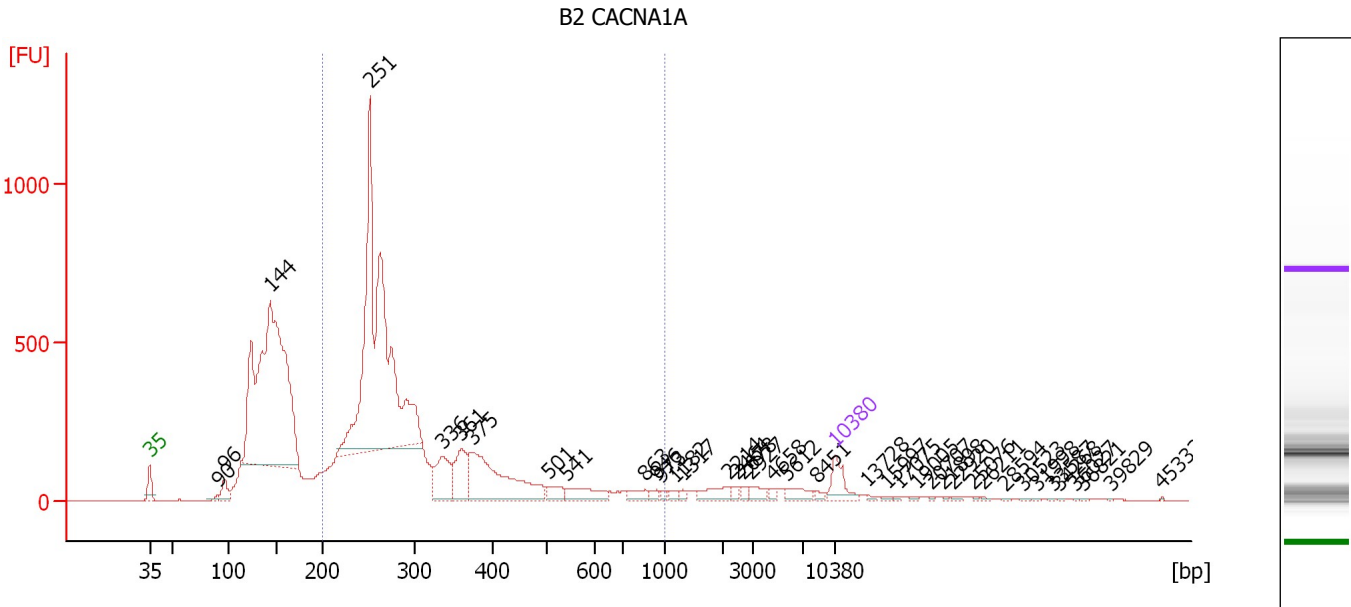
**Region table for sample 6 : B1 CACNA1A**

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	318	7,317.14	8,000.0	38,907.8	62	38.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

Created: 4/6/2018 1:16:12 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : B2 CACNA1A**

Number of peaks found: 39                      Corr. Area 1: 7,911.1  
 Noise: 0.4

**Peak table for sample 7 : B2 CACNA1A**

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	90	16.13	271.2		49.93
3	96	78.81	1,240.4		50.63
4	144	2,480.38	26,154.5		55.29
5	251	2,215.33	13,351.7		65.47
6	336	194.67	876.8		72.88
7	361	184.90	776.4		74.83
8	375	512.85	2,071.5		75.97
9	501	54.19	163.8		83.66
10	541	97.57	273.1		85.55
11	863	37.14	65.2		93.62
12	946	18.16	29.1		94.76
13	973	12.18	19.0		95.13
14	1,182	16.96	21.7		96.60
15	1,317	12.24	14.1		97.41
16	2,214	55.28	37.8		102.17
17	2,464	15.98	9.8		102.93
18	2,678	14.00	7.9		103.58
19	2,927	32.89	17.0		104.34
20	4,658	14.70	4.8		106.72
21	5,612	43.58	11.8		107.97
22	8,451	10.96	2.0		111.16
23	10,380	75.00	10.9	Upper Marker	113.00
24	13,728	0.00	0.0		116.19
25	15,997	0.00	0.0		118.36

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : B2 CACNA1A**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	17,075	0.00	0.0		119.39
27	19,005	0.00	0.0		121.23
28	20,707	0.00	0.0		122.85
29	21,898	0.00	0.0		123.99
30	22,920	0.00	0.0		124.96
31	25,076	0.00	0.0		127.02
32	26,211	0.00	0.0		128.10
33	28,594	0.00	0.0		130.38
34	30,523	0.00	0.0		132.22
35	31,998	0.00	0.0		133.63
36	33,587	0.00	0.0		135.14
37	34,268	0.00	0.0		135.79
38	36,027	0.00	0.0		137.47
39	36,821	0.00	0.0		138.23
40	39,829	0.00	0.0		141.10
41	45,332	0.00	0.0		146.35

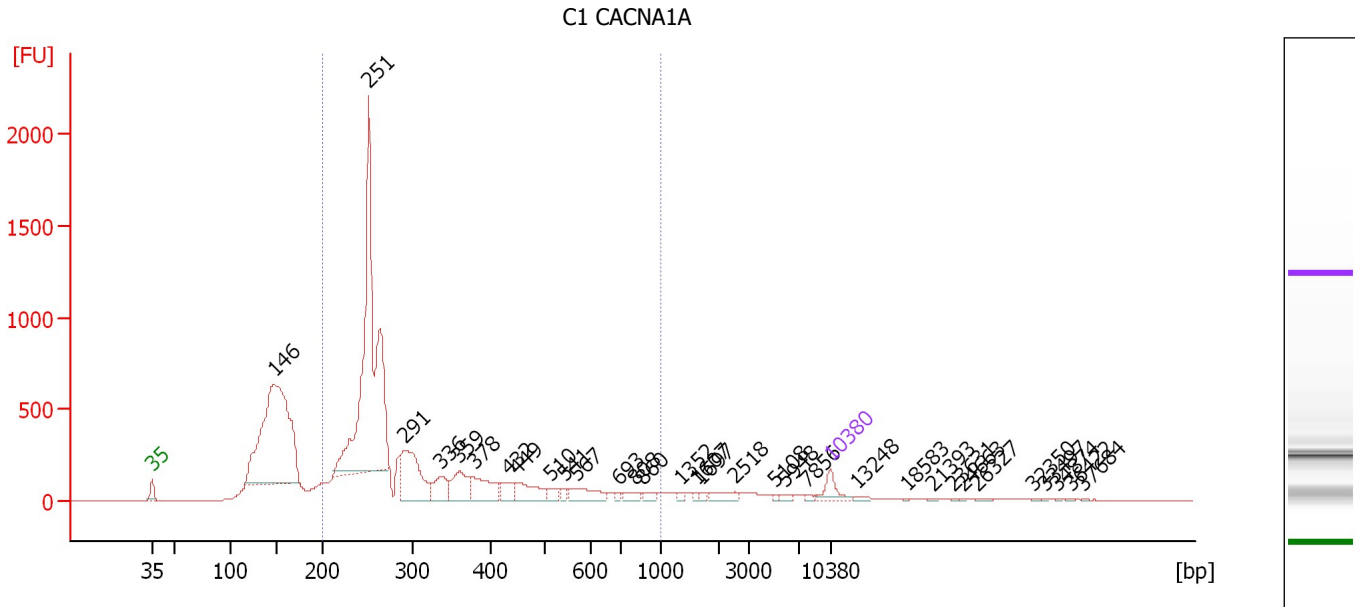
**Region table for sample 7 : B2 CACNA1A**

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	320	4,979.29	7,911.1	26,405.5	58	38.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : C1 CACNA1A**

Number of peaks found: 32                      Corr. Area 1: 9,237.8  
 Noise: 0.3

**Peak table for sample 8 : C1 CACNA1A**

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	146	2,269.38	23,516.9		55.53
3	251	2,431.82	14,708.4		65.38
4	291	524.73	2,730.9		69.16
5	336	169.48	765.0		72.83
6	359	213.98	903.0		74.69
7	378	213.14	853.7		76.22
8	432	90.14	315.9		79.78
9	449	159.96	540.0		80.71
10	510	50.62	150.5		84.05
11	541	25.49	71.4		85.53
12	567	125.97	336.5		86.78
13	693	16.96	37.1		91.16
14	808	46.64	87.5		92.86
15	860	30.39	53.6		93.57
16	1,352	13.88	15.6		97.62
17	1,607	11.91	11.2		99.15
18	1,697	13.48	12.0		99.70
19	2,518	51.23	30.8		103.09
20	5,108	8.20	2.4		107.31
21	5,948	15.47	3.9		108.40
22	7,856	9.15	1.8		110.59
23	10,380	75.00	10.9	Upper Marker	113.00
24	13,248	0.00	0.0		115.74
25	18,583	0.00	0.0		120.83



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : C1 CACNA1A**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	21,393	0.00	0.0		123.51
27	23,631	0.00	0.0		125.64
28	24,663	0.00	0.0		126.63
29	26,327	0.00	0.0		128.22
30	32,350	0.00	0.0		133.96
31	33,497	0.00	0.0		135.06
32	34,874	0.00	0.0		136.37
33	36,422	0.00	0.0		137.85
34	37,684	0.00	0.0		139.05

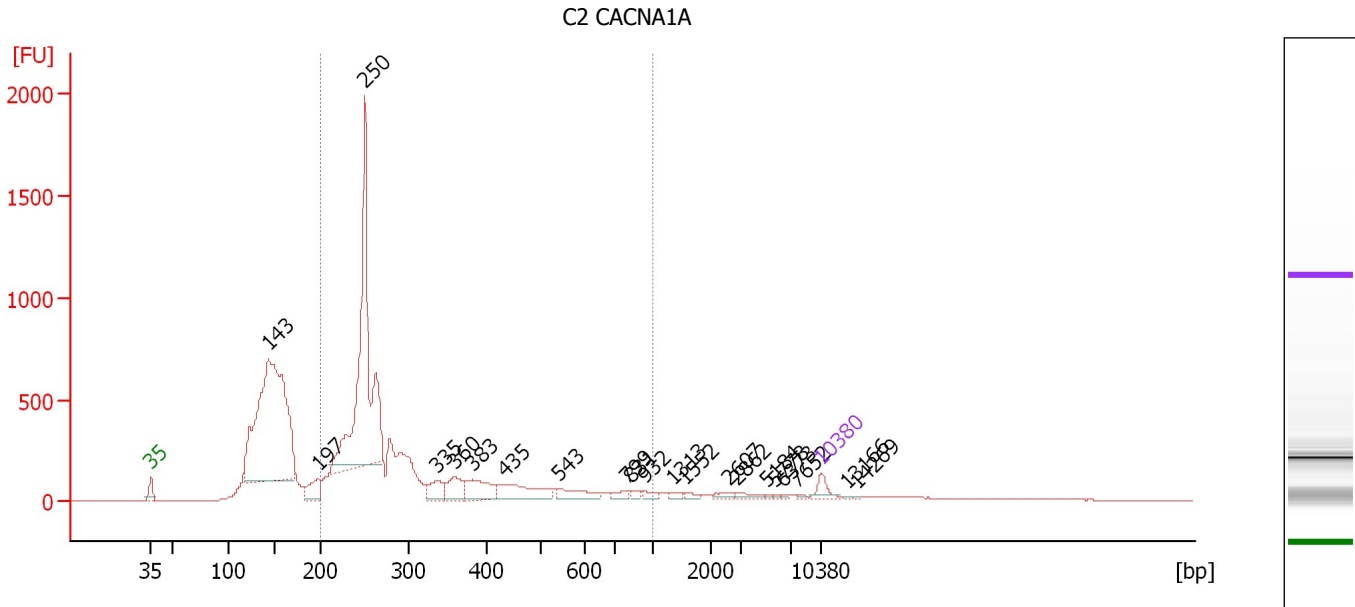
**Region table for sample 8 : C1 CACNA1A**

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	325	5,209.56	9,237.8	28,005.7	62	42.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : C2 CACNA1A**

Number of peaks found: 21                      Corr. Area 1: 7,899.4  
 Noise: 0.3

**Peak table for sample 9 : C2 CACNA1A**


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	4,085.97	43,241.4		55.24
3	197	254.67	1,954.3		60.44
4	250	2,978.23	18,064.9		65.32
5	335	195.41	883.1		72.79
6	360	229.68	967.8		74.73
7	383	301.29	1,191.2		76.62
8	435	360.75	1,256.0		79.94
9	543	166.87	465.5		85.64
10	799	51.38	97.5		92.73
11	831	32.43	59.1		93.17
12	932	43.68	71.0		94.56
13	1,313	26.86	31.0		97.38
14	1,552	26.40	25.8		98.82
15	2,607	32.30	18.8		103.36
16	2,862	40.84	21.6		104.14
17	5,184	7.63	2.2		107.41
18	5,778	7.28	1.9		108.18
19	6,373	8.62	2.1		108.96
20	7,652	10.41	2.1		110.40
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,166	0.00	0.0		115.66
23	14,269	0.00	0.0		116.71

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**

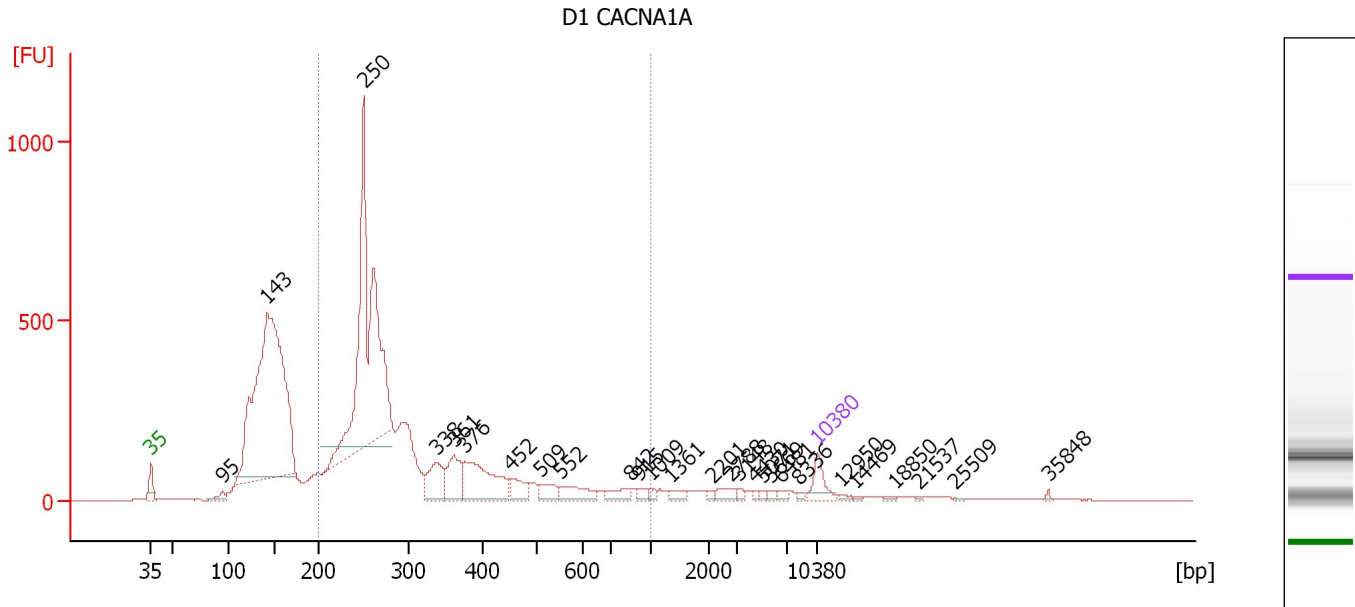
... Region table for sample 9 : C2 CACNA1A

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	324	7,166.21	7,899.4	38,774.5	 56	43.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : D1 CACNA1A**

Number of peaks found: 27                      Corr. Area 1: 6,326.5  
 Noise: 0.4

**Peak table for sample 10 : D1 CACNA1A**

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	95	38.42	610.7		50.52
3	143	2,764.53	29,327.7		55.21
4	250	1,901.18	11,516.7		65.35
5	338	187.83	841.1		73.04
6	361	188.84	793.2		74.82
7	376	375.05	1,510.9		76.05
8	452	91.43	306.3		80.90
9	509	69.71	207.5		84.02
10	552	98.69	270.7		86.08
11	842	49.94	89.9		93.33
12	915	23.17	38.4		94.33
13	1,009	14.25	21.4		95.56
14	1,361	28.76	32.0		97.67
15	2,201	9.63	6.6		102.13
16	2,788	33.69	18.3		103.92
17	3,148	11.04	5.3		104.75
18	4,430	9.30	3.2		106.42
19	5,071	9.91	3.0		107.26
20	5,669	12.71	3.4		108.04
21	6,481	13.53	3.2		109.10
22	8,336	9.11	1.7		111.05
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,950	0.00	0.0		115.45
25	14,469	0.00	0.0		116.90

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 10 : D1 CACNA1A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	18,850	0.00	0.0		121.08
27	21,537	0.00	0.0		123.64
28	25,509	0.00	0.0		127.43
29	35,848	0.00	0.0		137.30

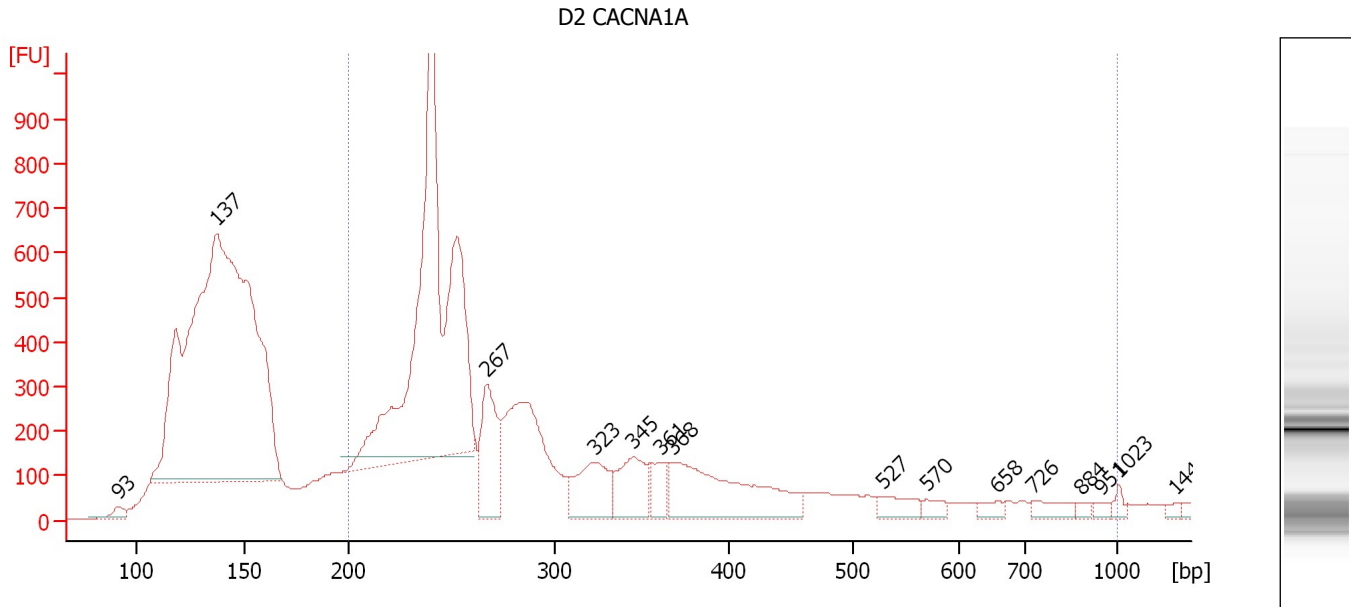
#### Region table for sample 10 : D1 CACNA1A

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	325	4,945.87	6,326.5	26,224.1	58	40.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : D2 CACNA1A**

Number of peaks found: 41                      Corr. Area 1: 7,142.5  
 Noise: 0.4

**Peak table for sample 11 : D2 CACNA1A**

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	93	418.96	6,852.6		50.22
3	137	34,219.43	377,746.7		54.67
4	240	20,067.65	126,540.7		64.43
5	267	3,078.41	17,460.2		66.93
6	323	2,344.56	10,999.6		71.81
7	345	1,950.52	8,572.5		73.55
8	361	908.38	3,811.6		74.85
9	368	4,980.32	20,510.6		75.40
10	527	742.17	2,132.5		84.89
11	570	344.25	915.6		86.90
12	658	335.86	773.3		90.10
13	726	540.30	1,127.9		91.73
14	884	178.55	306.2		93.90
15	951	182.09	290.2		94.82
16	1,023	222.05	329.0		95.64
17	1,446	133.64	140.0		98.19
18	1,950	1,291.76	1,003.5		101.22
19	3,481	180.54	78.6		105.19
20	4,064	130.36	48.6		105.95
21	4,563	324.72	107.8		106.60
22	6,144	101.76	25.1		108.66
23	7,707	955.12	187.8		110.45
24	10,380	75.00	10.9	Upper Marker	113.00
25	11,119	0.00	0.0		113.71

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 11 : D2 CACNA1A**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,110	0.00	0.0		115.60
27	13,906	0.00	0.0		116.36
28	17,717	0.00	0.0		120.00
29	18,968	0.00	0.0		121.19
30	19,878	0.00	0.0		122.06
31	20,901	0.00	0.0		123.04
32	25,565	0.00	0.0		127.49
33	26,930	0.00	0.0		128.79
34	29,205	0.00	0.0		130.96
35	30,399	0.00	0.0		132.10
36	30,854	0.00	0.0		132.53
37	32,276	0.00	0.0		133.89
38	33,300	0.00	0.0		134.87
39	35,006	0.00	0.0		136.50
40	36,314	0.00	0.0		137.74
41	37,906	0.00	0.0		139.26
42	39,101	0.00	0.0		140.40
43	40,864	0.00	0.0		142.09

**Region table for sample 11 : D2 CACNA1A**

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	325	55,246.27	7,142.5	299,118.1	 53	43.2

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06\_002.xad

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**Gel Image**

