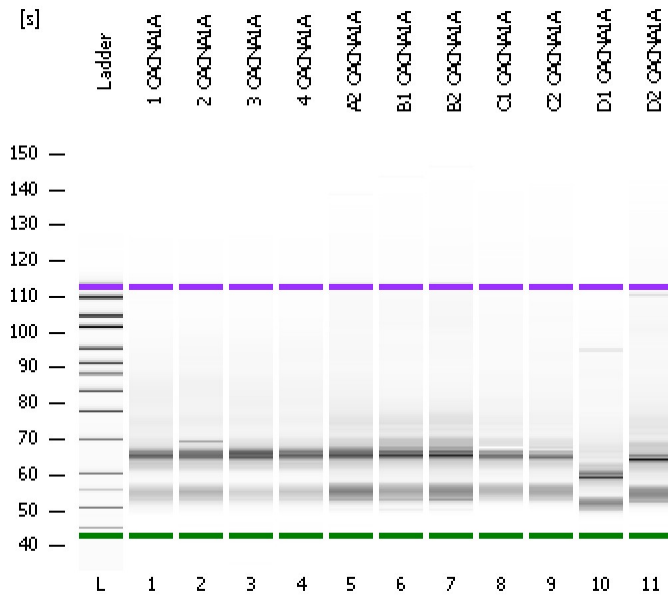


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-06\2018-04-06_002.xad

Created: 4/6/2018 1:16:12 PM
Modified: 4/6/2018 1:56:39 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

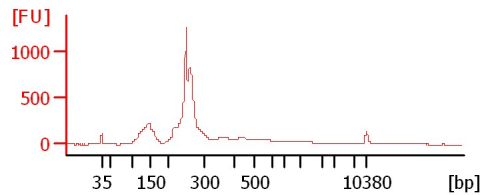
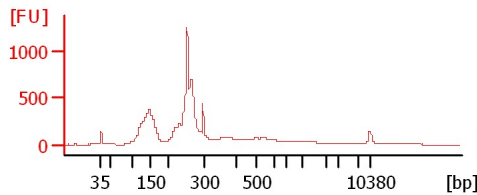
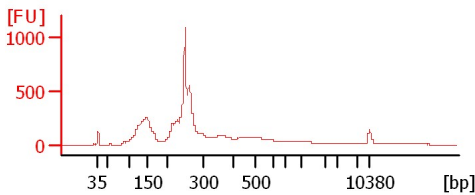
Chip Information:

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

1 CACNA1A

2 CACNA1A

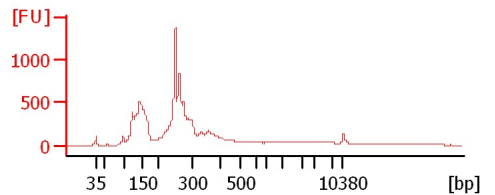
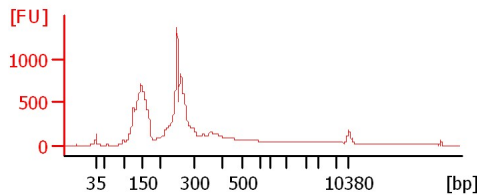
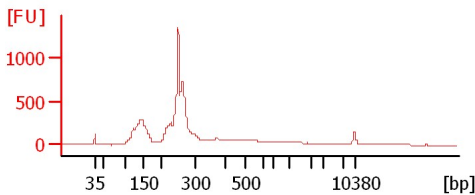
3 CACNA1A



4 CACNA1A

A2 CACNA1A

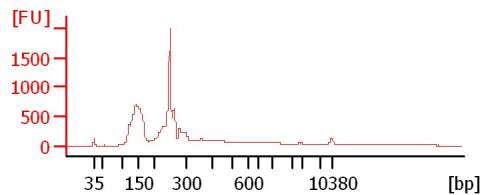
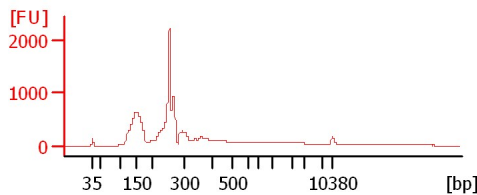
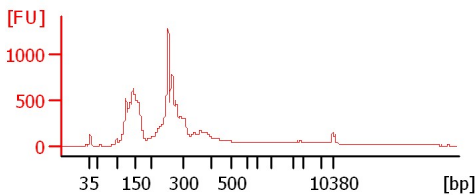
B1 CACNA1A



B2 CACNA1A

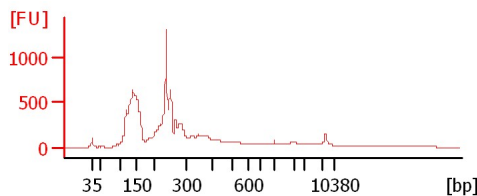
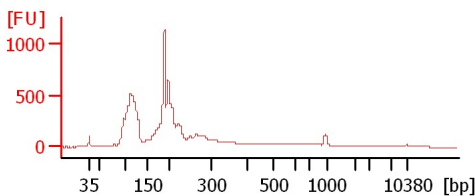
C1 CACNA1A

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: 4/6/2018 1:56:39 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 #

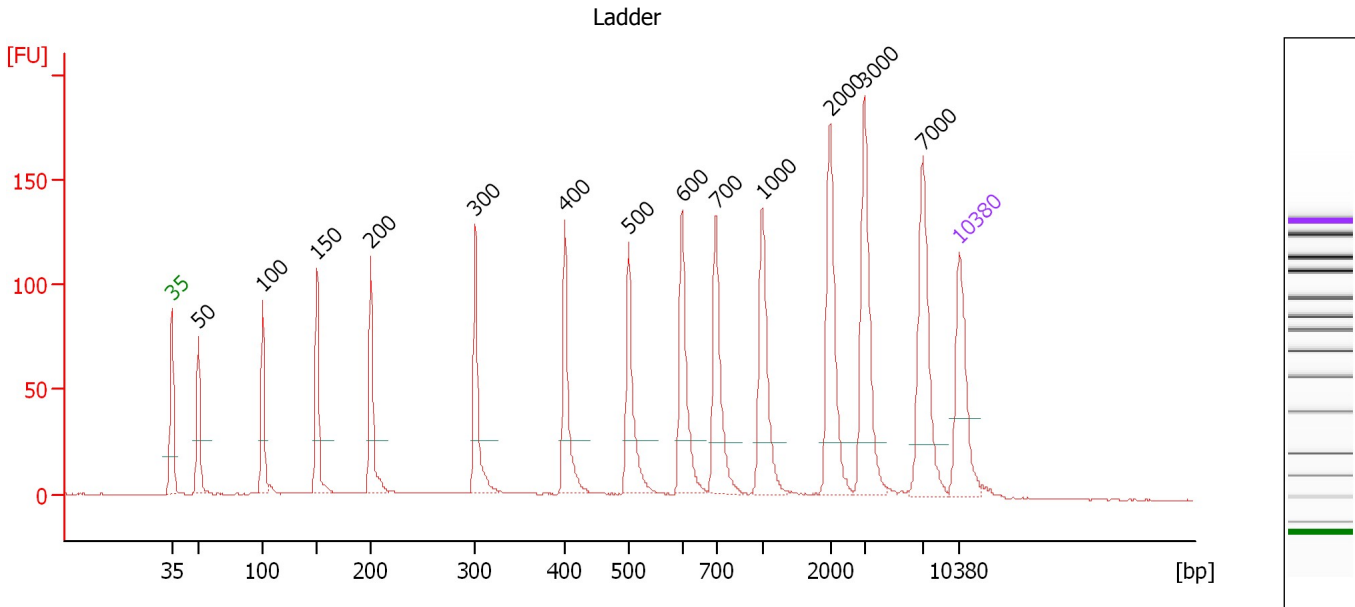
Reagent Kit Lot #

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: 4/6/2018 1:56:39 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

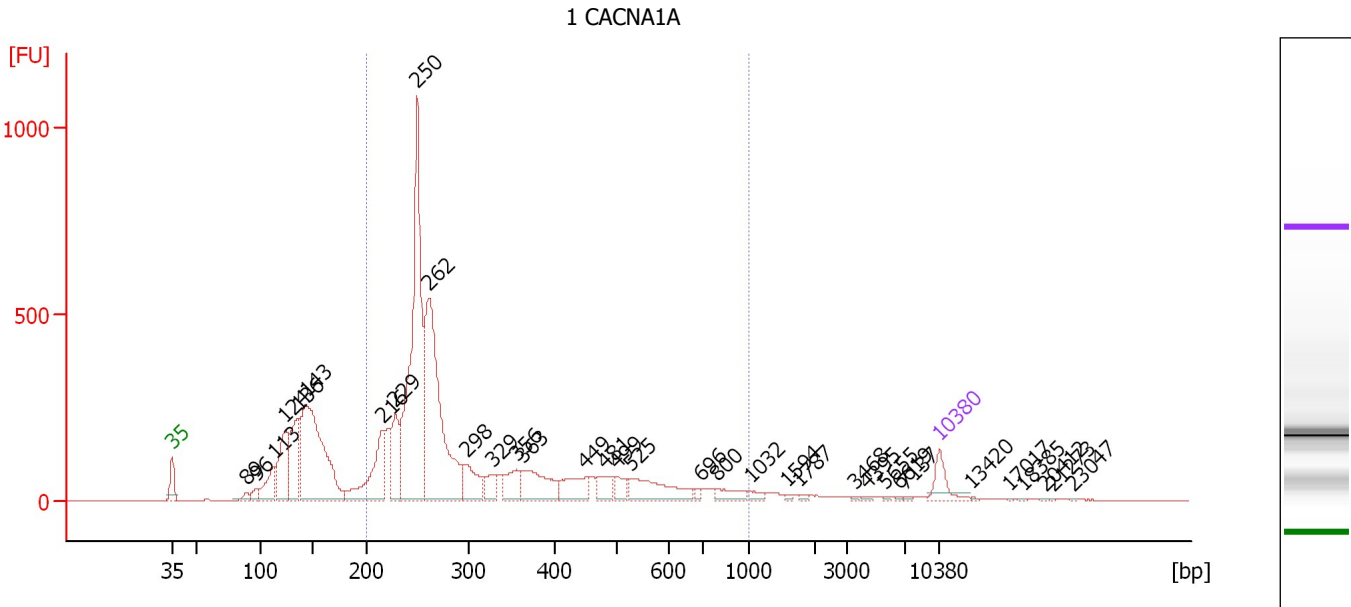
Peak table for Ladder

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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1 CACNA1A

Number of peaks found: 34 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	113	180.37	2,426.9		52.28
5	124	366.07	4,487.6		53.35
6	136	355.24	3,955.1		54.55
7	143	1,141.50	12,130.0		55.18
8	216	390.49	2,743.7		62.14
9	229	263.32	1,744.9		63.35
10	250	1,462.71	8,847.7		65.38
11	262	1,210.05	6,999.7		66.45
12	298	185.15	942.0		69.78
13	329	85.70	394.7		72.30
14	356	129.82	553.0		74.42
15	363	241.60	1,008.5		75.00
16	449	141.84	478.9		80.71
17	481	84.26	265.7		82.50
18	499	64.18	194.7		83.56
19	525	219.89	635.0		84.77
20	696	15.30	33.3		91.25
21	800	59.29	112.3		92.74
22	1,032	20.34	29.9		95.69
23	1,594	7.11	6.8		99.08
24	1,787	7.11	6.0		100.24
25	3,468	3.65	1.6		105.17

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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : 1 CACNA1A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,395	6.49	2.2		106.38
27	5,655	3.59	1.0		108.02
28	6,619	3.56	0.8		109.28
29	7,137	4.99	1.1		109.91
30	10,380	75.00	10.9	Upper Marker	113.00
31	13,420	0.00	0.0		115.90
32	17,017	0.00	0.0		119.33
33	18,385	0.00	0.0		120.64
34	20,412	0.00	0.0		122.57
35	21,273	0.00	0.0		123.39
36	23,047	0.00	0.0		125.09

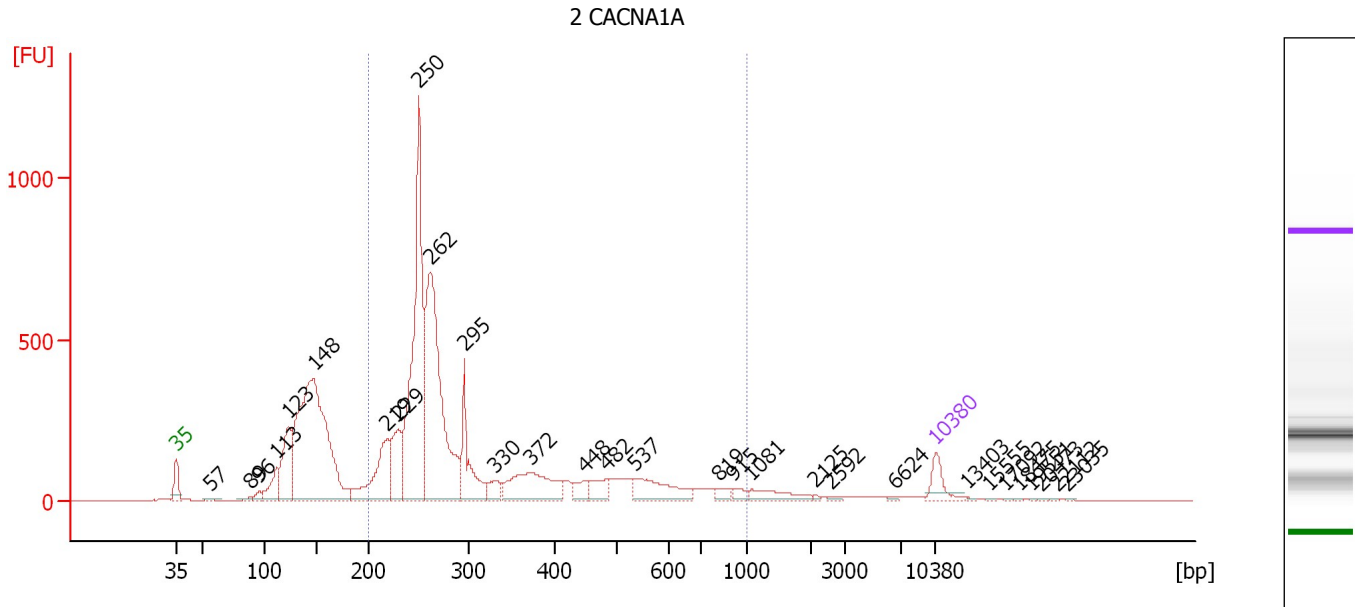
Region table for sample 1 : 1 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	329	5,870.5	4,718.18	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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2 CACNA1A

Number of peaks found: 30 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		49.79
4	96	38.03	599.0		50.63
5	113	165.43	2,224.7		52.29
6	123	390.05	4,794.0		53.31
7	148	1,929.38	19,815.1		55.66
8	219	412.37	2,853.0		62.46
9	229	281.36	1,861.7		63.38
10	250	1,433.40	8,686.5		65.34
11	262	1,405.32	8,139.7		66.41
12	295	305.09	1,565.7		69.54
13	330	74.56	342.3		72.38
14	372	351.40	1,432.2		75.70
15	448	64.72	218.6		80.69
16	482	90.79	285.2		82.59
17	537	204.64	577.8		85.33
18	819	36.17	66.9		93.01
19	915	31.30	51.8		94.33
20	1,081	82.04	115.0		95.99
21	2,125	5.42	3.9		101.90
22	2,592	10.36	6.1		103.32
23	6,624	6.57	1.5		109.28
24	10,380	75.00	10.9	Upper Marker	113.00
25	13,403	0.00	0.0		115.88

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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : 2 CACNA1A

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	15,555	0.00	0.0		117.94
27	17,092	0.00	0.0		119.40
28	18,475	0.00	0.0		120.72
29	19,551	0.00	0.0		121.75
30	20,473	0.00	0.0		122.63
31	22,112	0.00	0.0		124.19
32	23,035	0.00	0.0		125.07

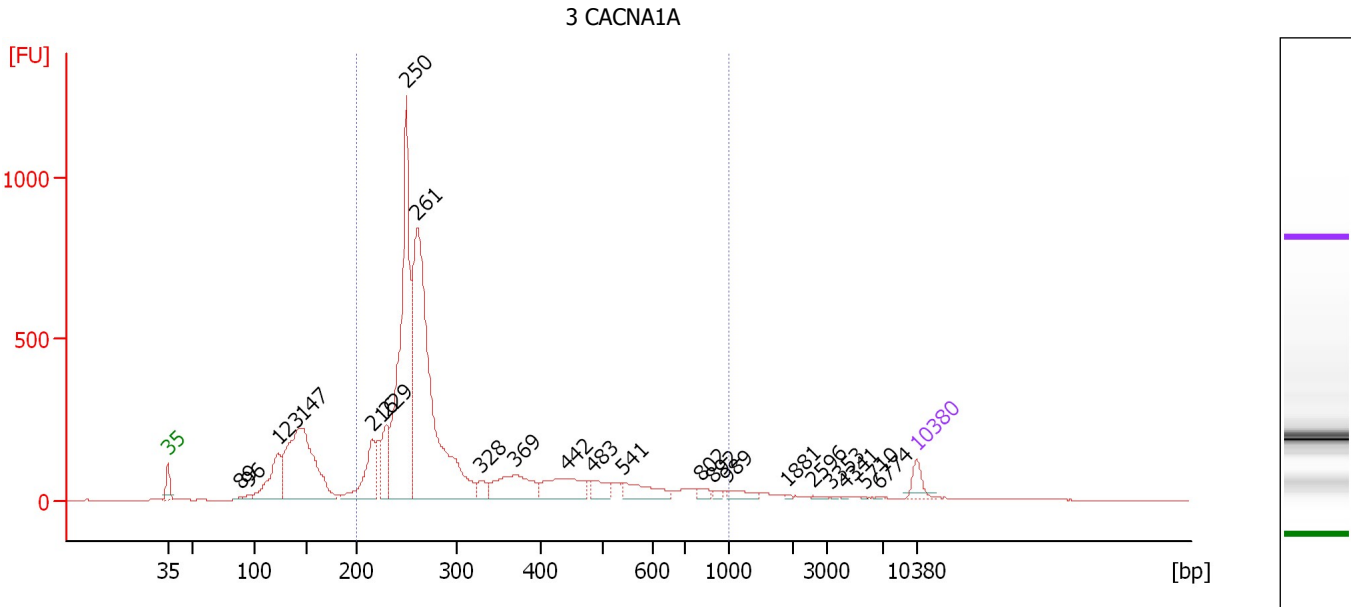
Region table for sample 2 : 2 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	330	6,661.6	4,799.26	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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3 CACNA1A

Number of peaks found: 22 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	123	451.67	5,552.6		53.31
5	147	1,451.26	14,976.7		55.59
6	216	387.81	2,725.9		62.14
7	229	299.96	1,981.0		63.42
8	250	1,955.24	11,864.5		65.31
9	261	2,674.10	15,530.0		66.35
10	328	82.36	380.0		72.25
11	369	348.49	1,431.5		75.47
12	442	293.16	1,004.7		80.33
13	483	99.39	311.5		82.66
14	541	174.61	489.1		85.54
15	802	35.08	66.3		92.77
16	892	22.11	37.6		94.01
17	989	54.99	84.2		95.35
18	1,881	6.50	5.2		100.80
19	2,596	10.71	6.3		103.33
20	3,353	4.14	1.9		105.02
21	4,341	3.15	1.1		106.31
22	5,710	2.71	0.7		108.09
23	6,774	3.52	0.8		109.48
24	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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...

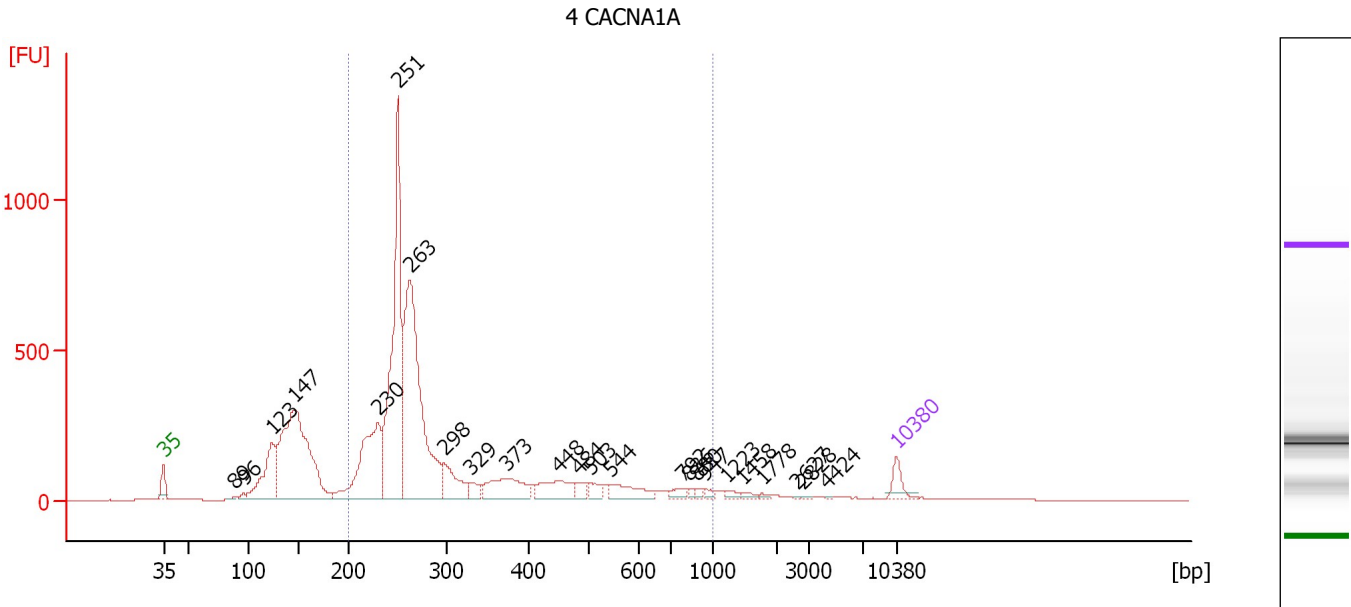
... Region table for sample 3 : 3 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	321	6,955.1	6,680.26	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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4 CACNA1A

Number of peaks found: 24 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	123	570.02	6,995.1		53.33
5	147	1,924.42	19,831.6		55.61
6	230	924.79	6,096.5		63.46
7	251	1,893.59	11,451.4		65.39
8	263	2,014.53	11,602.5		66.55
9	298	283.98	1,444.1		69.79
10	329	77.21	355.2		72.33
11	373	319.63	1,297.5		75.82
12	448	223.44	755.0		80.68
13	484	69.63	217.8		82.71
14	503	74.88	225.7		83.72
15	544	163.19	454.2		85.70
16	792	47.13	90.2		92.64
17	836	18.01	32.6		93.25
18	880	19.31	33.2		93.85
19	947	22.37	35.8		94.77
20	1,223	26.82	33.2		96.84
21	1,458	22.77	23.7		98.26
22	1,778	11.85	10.1		100.19
23	2,627	3.89	2.2		103.43
24	2,828	5.81	3.1		104.03
25	4,424	3.31	1.1		106.42

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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...**... Peak table for sample 4 : 4 CACNA1A**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

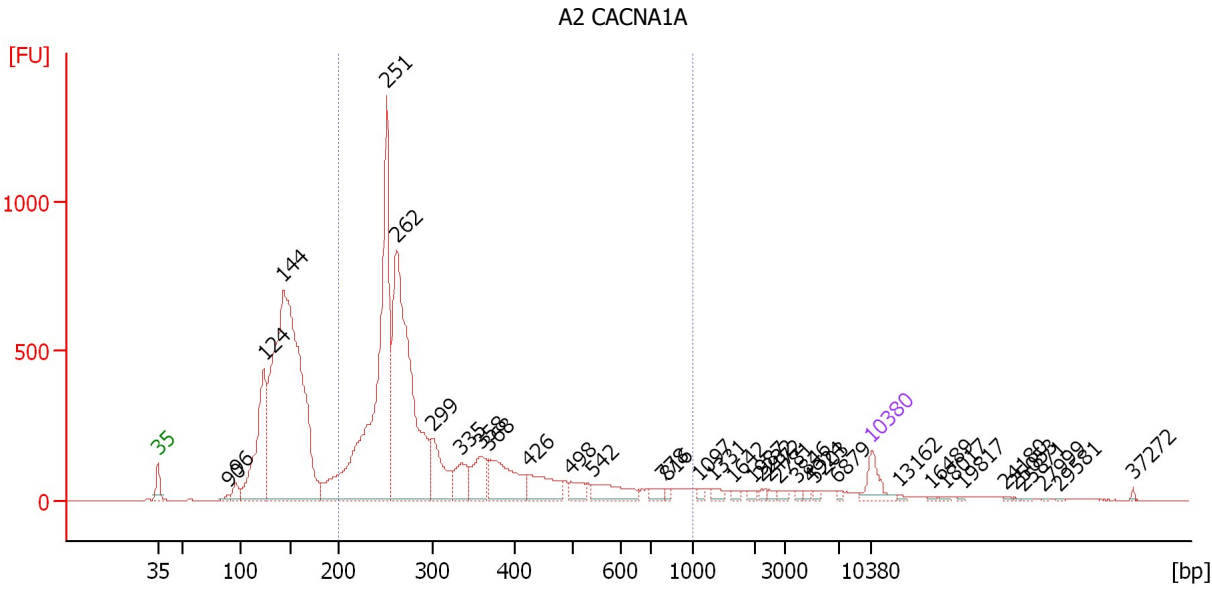
Region table for sample 4 : 4 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	324	6,704.8	6,300.90	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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A2 CACNA1A

Number of peaks found: 36 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	124	720.80	8,827.6		53.36
5	144	2,922.94	30,836.0		55.28
6	251	1,823.65	11,008.0		65.43
7	262	1,573.94	9,114.4		66.42
8	299	263.10	1,335.0		69.86
9	335	144.75	654.8		72.77
10	358	169.46	717.6		74.59
11	368	292.27	1,202.5		75.42
12	426	164.29	584.0		79.43
13	498	61.06	185.7		83.49
14	542	122.66	343.1		85.57
15	778	27.58	53.7		92.44
16	816	13.65	25.4		92.96
17	1,097	13.39	18.5		96.09
18	1,331	20.06	22.8		97.49
19	1,642	12.09	11.2		99.36
20	1,987	14.13	10.8		101.45
21	2,232	10.34	7.0		102.23
22	2,472	11.57	7.1		102.96
23	2,781	14.77	8.0		103.89
24	3,846	10.33	4.1		105.66
25	4,924	10.04	3.1		107.07

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: 4/6/2018 1:56:39 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	5,203	10.92	3.2		107.43
27	6,879	7.43	1.6		109.62
28	10,380	75.00	10.9	Upper Marker	113.00
29	13,162	0.00	0.0		115.65
30	16,489	0.00	0.0		118.83
31	18,017	0.00	0.0		120.29
32	19,817	0.00	0.0		122.00
33	24,180	0.00	0.0		126.17
34	25,053	0.00	0.0		127.00
35	25,871	0.00	0.0		127.78
36	27,999	0.00	0.0		129.81
37	29,581	0.00	0.0		131.32
38	37,272	0.00	0.0		138.66

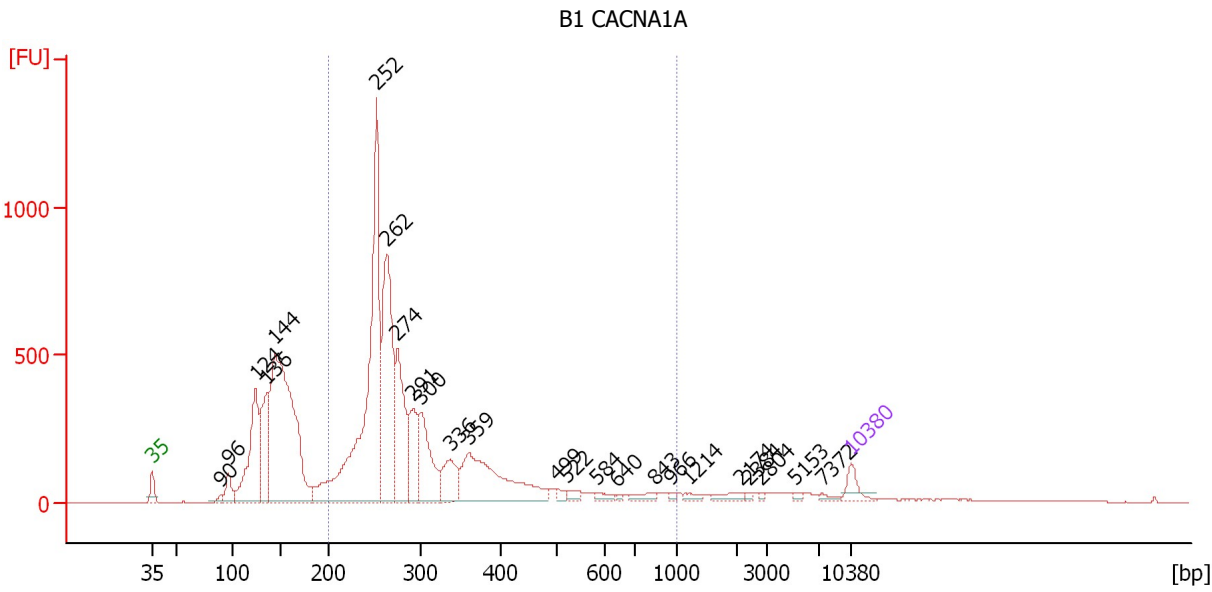
Region table for sample 5 : A2 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	326	8,114.5	4,688.48	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: 4/6/2018 1:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : B1 CACNA1A

Number of peaks found: 24 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	124	981.60	12,014.0		53.36
5	136	612.99	6,835.1		54.53
6	144	2,754.32	28,956.1		55.33
7	252	2,685.93	16,177.0		65.48
8	262	1,363.59	7,872.7		66.49
9	274	750.71	4,153.2		67.56
10	291	389.93	2,030.1		69.15
11	300	567.87	2,871.9		69.95
12	336	281.29	1,270.1		72.82
13	359	917.00	3,871.2		74.68
14	499	35.03	106.3		83.55
15	522	44.92	130.5		84.62
16	584	40.53	105.1		87.59
17	640	12.68	30.0		89.56
18	843	47.71	85.8		93.33
19	966	14.62	22.9		95.03
20	1,214	31.37	39.2		96.79
21	2,174	44.51	31.0		102.05
22	2,384	13.95	8.9		102.69
23	2,804	11.15	6.0		103.96
24	5,153	13.60	4.0		107.37
25	7,372	16.58	3.4		110.13

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 6 : B1 CACNA1A

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

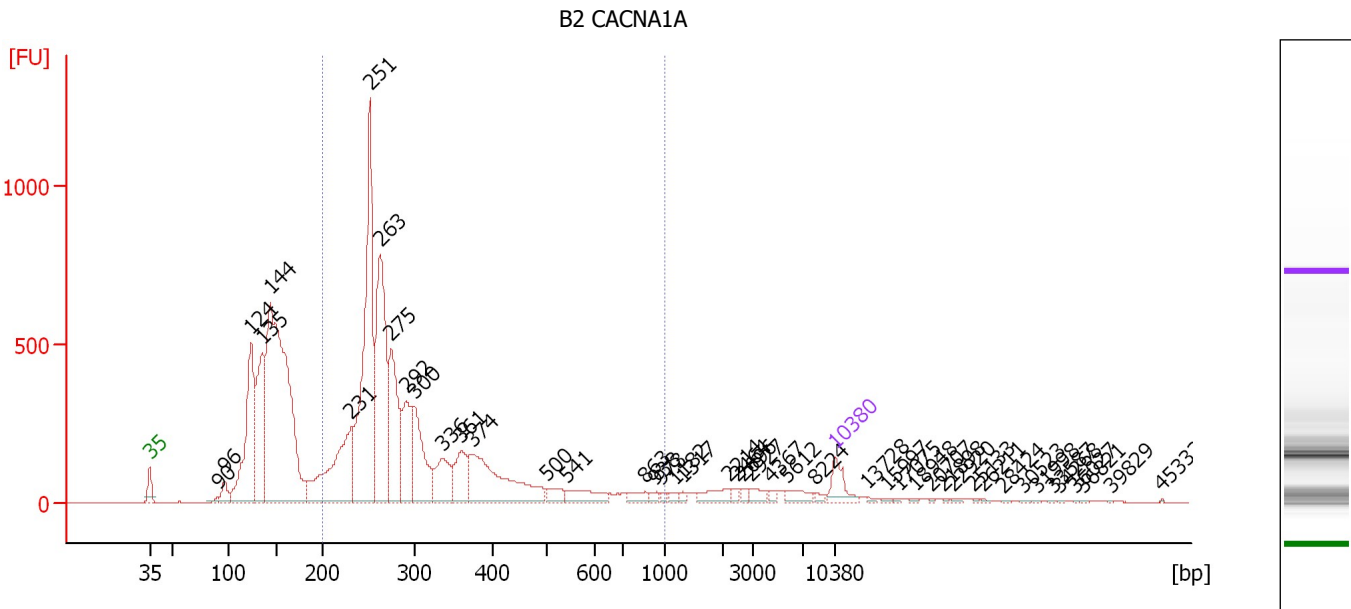
Region table for sample 6 : B1 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	318	8,000.0	7,317.14	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

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Electropherogram Summary Continued ...



Overall Results for sample 7 : B2 CACNA1A

Number of peaks found: 46 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	124	788.48	9,669.9		53.34
5	135	602.51	6,747.4		54.48
6	144	2,236.21	23,579.9		55.29
7	231	656.08	4,303.1		63.57
8	251	1,286.75	7,755.2		65.47
9	263	853.86	4,918.3		66.55
10	275	506.70	2,789.0		67.69
11	292	289.99	1,506.9		69.20
12	300	388.83	1,965.5		69.96
13	336	194.67	876.8		72.88
14	361	184.90	776.4		74.83
15	374	513.63	2,078.4		75.92
16	500	54.29	164.5		83.60
17	541	97.57	273.1		85.55
18	863	37.14	65.2		93.62
19	938	18.24	29.5		94.65
20	973	12.18	19.0		95.13
21	1,182	16.96	21.7		96.60
22	1,317	12.24	14.1		97.41
23	2,214	55.28	37.8		102.17
24	2,464	15.98	9.8		102.93
25	2,696	13.99	7.9		103.63

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	2,927	32.89	17.0		104.34
27	4,367	14.72	5.1		106.34
28	5,612	43.58	11.8		107.97
29	8,224	11.03	2.0		110.94
30	10,380	75.00	10.9	Upper Marker	113.00
31	13,728	0.00	0.0		116.19
32	15,997	0.00	0.0		118.36
33	17,075	0.00	0.0		119.39
34	18,948	0.00	0.0		121.17
35	20,707	0.00	0.0		122.85
36	21,898	0.00	0.0		123.99
37	22,920	0.00	0.0		124.96
38	25,133	0.00	0.0		127.08
39	26,211	0.00	0.0		128.10
40	28,424	0.00	0.0		130.22
41	30,523	0.00	0.0		132.22
42	31,998	0.00	0.0		133.63
43	33,587	0.00	0.0		135.14
44	34,268	0.00	0.0		135.79
45	36,027	0.00	0.0		137.47
46	36,821	0.00	0.0		138.23
47	39,829	0.00	0.0		141.10
48	45,332	0.00	0.0		146.35

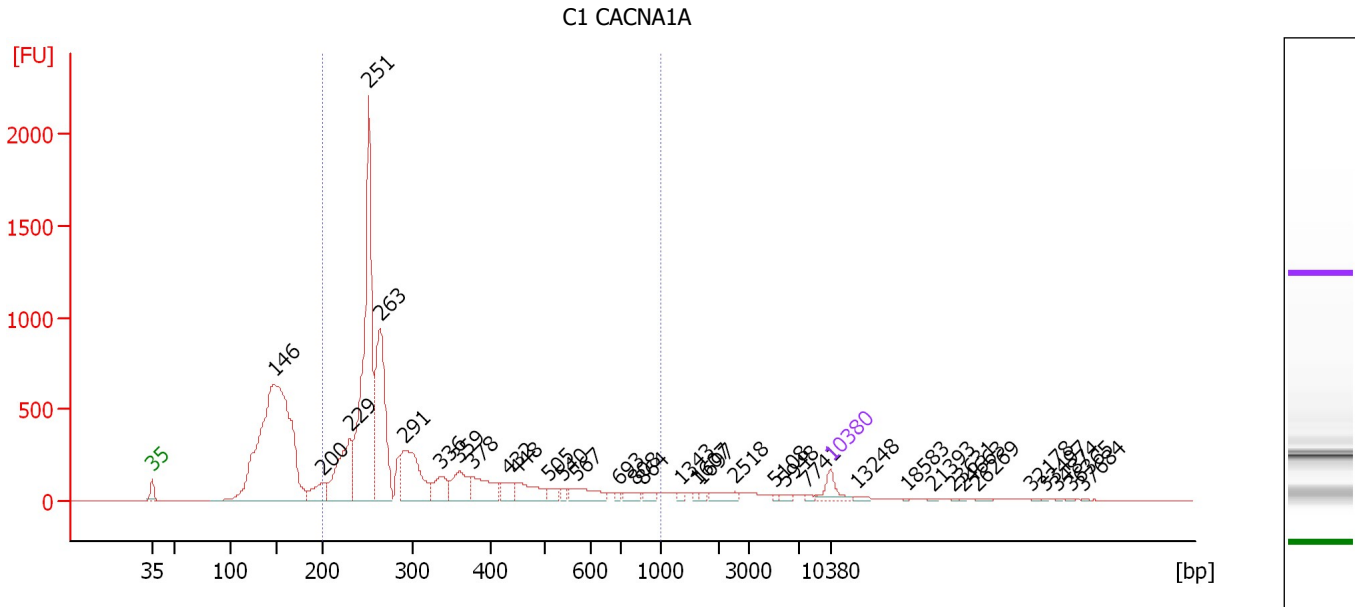
Region table for sample 7 : B2 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	320	7,911.1	4,979.29	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: 35 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	3,050.31	31,609.5		55.53
3	200	166.77	1,264.2		60.68
4	229	561.74	3,711.6		63.41
5	251	1,824.45	11,034.8		65.38
6	263	959.43	5,530.0		66.53
7	291	524.73	2,730.9		69.16
8	336	169.48	765.0		72.83
9	359	213.98	903.0		74.69
10	378	213.46	856.6		76.17
11	432	90.14	315.9		79.78
12	448	160.07	541.5		80.65
13	505	50.98	153.0		83.83
14	540	25.54	71.7		85.47
15	567	125.97	336.5		86.78
16	693	16.96	37.1		91.16
17	808	46.64	87.5		92.86
18	864	30.32	53.2		93.63
19	1,343	13.90	15.7		97.57
20	1,607	11.91	11.2		99.15
21	1,697	13.48	12.0		99.70
22	2,518	51.23	30.8		103.09
23	5,108	8.20	2.4		107.31
24	5,948	15.47	3.9		108.40
25	7,741	9.18	1.8		110.48

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	10,380	75.00	10.9	Upper Marker	113.00
27	13,248	0.00	0.0		115.74
28	18,583	0.00	0.0		120.83
29	21,393	0.00	0.0		123.51
30	23,631	0.00	0.0		125.64
31	24,663	0.00	0.0		126.63
32	26,269	0.00	0.0		128.16
33	32,178	0.00	0.0		133.80
34	33,497	0.00	0.0		135.06
35	34,874	0.00	0.0		136.37
36	36,365	0.00	0.0		137.79
37	37,684	0.00	0.0		139.05

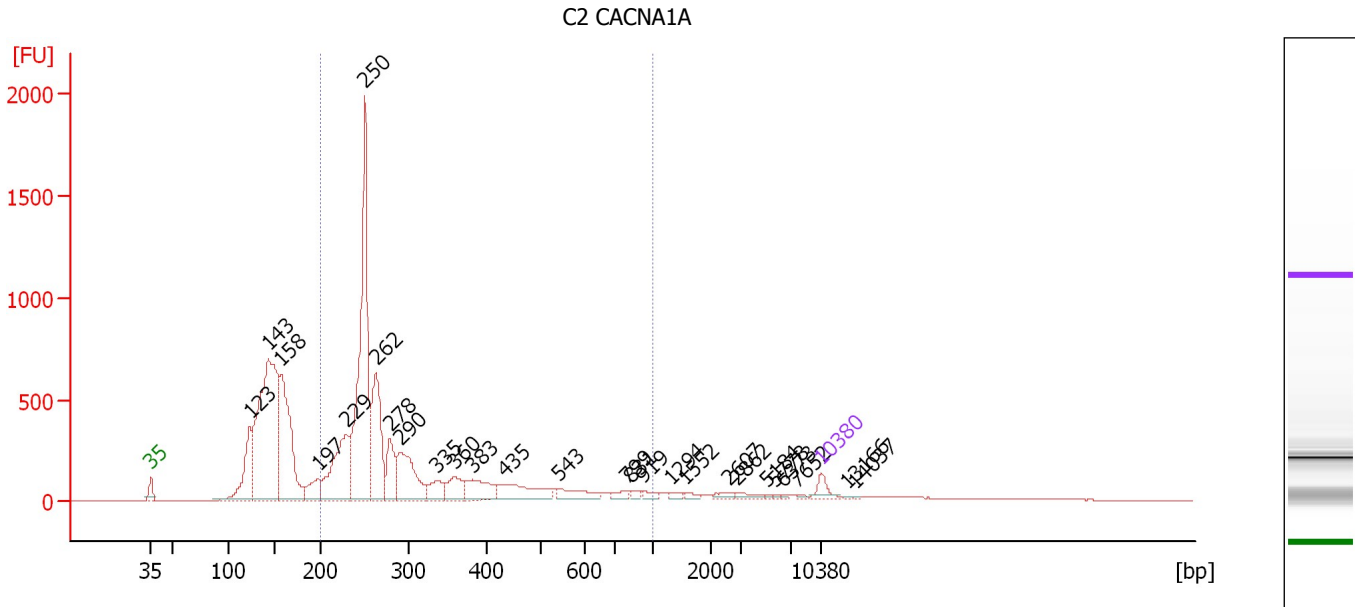
Region table for sample 8 : C1 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	325	9,237.8	5,209.56	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: 27 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	123	751.31	9,244.6		53.30
3	143	3,173.22	33,581.8		55.24
4	158	1,547.80	14,884.7		56.62
5	197	254.67	1,954.3		60.44
6	229	968.41	6,409.0		63.38
7	250	2,524.11	15,310.4		65.32
8	262	959.24	5,540.9		66.48
9	278	356.57	1,944.8		67.92
10	290	672.78	3,518.6		69.03
11	335	195.41	883.1		72.79
12	360	229.68	967.8		74.73
13	383	301.75	1,195.2		76.56
14	435	360.75	1,256.0		79.94
15	543	166.87	465.5		85.64
16	799	51.38	97.5		92.73
17	831	32.43	59.1		93.17
18	919	43.98	72.5		94.39
19	1,294	26.95	31.5		97.27
20	1,552	26.40	25.8		98.82
21	2,607	32.30	18.8		103.36
22	2,862	40.84	21.6		104.14
23	5,184	7.63	2.2		107.41
24	5,778	7.28	1.9		108.18
25	6,373	8.62	2.1		108.96

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 9 : C2 CACNA1A

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	7,652	10.41	2.1		110.40
27	10,380	75.00	10.9	Upper Marker	113.00
28	13,166	0.00	0.0		115.66
29	14,037	0.00	0.0		116.49

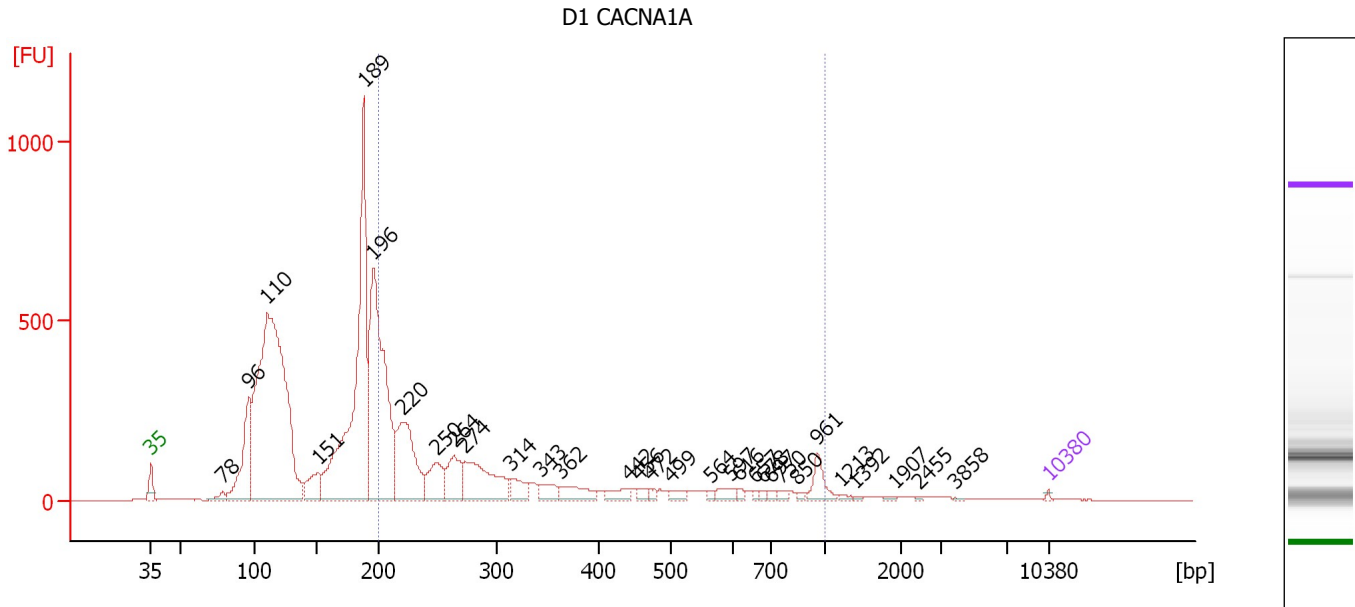
Region table for sample 9 : C2 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	324	7,899.4	7,166.21	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: 31 Corr. Area 1: 3,882.0
 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	78	668.35	12,913.9		48.59
3	96	9,681.42	152,674.7		50.61
4	110	54,873.86	753,679.4		52.06
5	151	3,204.00	32,160.3		55.99
6	189	33,058.84	265,697.8		59.59
7	196	26,762.54	206,575.9		60.33
8	220	10,292.29	70,815.0		62.57
9	250	3,628.90	22,029.7		65.30
10	264	3,690.40	21,193.6		66.62
11	274	7,385.50	40,896.4		67.53
12	314	1,771.79	8,538.6		71.13
13	343	1,319.46	5,829.2		73.41
14	362	1,902.21	7,957.9		74.94
15	442	976.98	3,349.9		80.32
16	456	467.01	1,552.3		81.10
17	472	297.72	955.8		82.01
18	499	627.35	1,904.6		83.54
19	564	213.61	573.5		86.65
20	597	721.45	1,829.6		88.22
21	616	237.27	583.1		88.84
22	657	201.79	465.1		90.08
23	678	216.03	482.9		90.70
24	697	278.29	605.0		91.28
25	750	288.10	581.8		92.07

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	850	190.31	339.4		93.43
27	961	1,553.26	2,449.2		94.96
28	1,213	175.32	219.0		96.78
29	1,392	82.90	90.3		97.86
30	1,907	96.49	76.7		100.96
31	2,455	59.23	36.6		102.91
32	3,858	51.39	20.2		105.68
33	10,380	75.00	10.9	Upper Marker	113.00

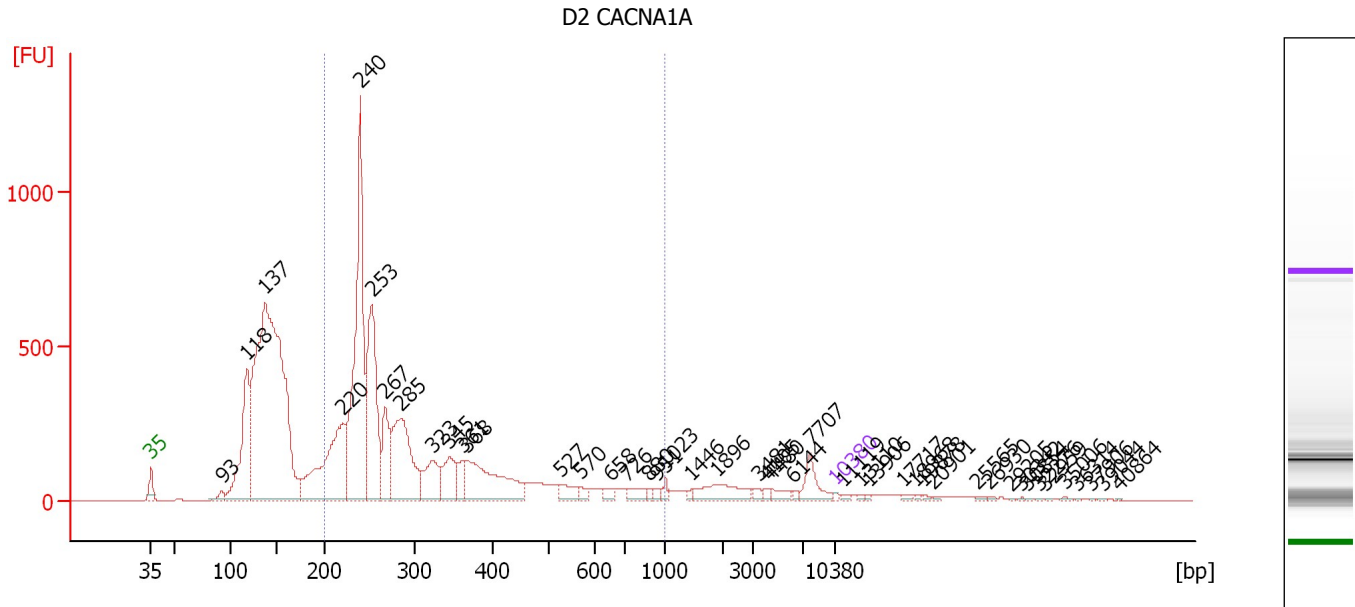
Region table for sample 10 : D1 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/µl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	353	3,882.0	53,258.97	295,756.3	35	55.5

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: 45 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	118	7,835.22	100,448.7		52.82
4	137	37,076.04	409,280.7		54.67
5	220	8,829.50	60,689.4		62.59
6	240	15,235.85	96,072.8		64.43
7	253	8,713.17	52,275.6		65.57
8	267	3,078.41	17,460.2		66.93
9	285	6,787.86	36,130.9		68.56
10	323	2,344.56	10,999.6		71.81
11	345	1,950.52	8,572.5		73.55
12	361	908.38	3,811.6		74.85
13	368	4,980.32	20,510.6		75.40
14	527	742.17	2,132.5		84.89
15	570	344.25	915.6		86.90
16	658	335.86	773.3		90.10
17	726	540.30	1,127.9		91.73
18	880	178.95	308.2		93.84
19	951	182.09	290.2		94.82
20	1,023	222.05	329.0		95.64
21	1,446	133.64	140.0		98.19
22	1,896	1,303.99	1,041.8		100.90
23	3,481	180.54	78.6		105.19
24	4,105	130.33	48.1		106.00
25	4,480	324.86	109.9		106.49

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	6,144	101.76	25.1		108.66
27	7,707	955.12	187.8		110.45
28	10,380	75.00	10.9	Upper Marker	113.00
29	11,119	0.00	0.0		113.71
30	13,110	0.00	0.0		115.60
31	13,906	0.00	0.0		116.36
32	17,717	0.00	0.0		120.00
33	18,968	0.00	0.0		121.19
34	19,878	0.00	0.0		122.06
35	20,901	0.00	0.0		123.04
36	25,565	0.00	0.0		127.49
37	26,930	0.00	0.0		128.79
38	29,205	0.00	0.0		130.96
39	30,342	0.00	0.0		132.05
40	30,854	0.00	0.0		132.53
41	32,276	0.00	0.0		133.89
42	32,959	0.00	0.0		134.54
43	35,006	0.00	0.0		136.50
44	36,314	0.00	0.0		137.74
45	37,906	0.00	0.0		139.26
46	39,044	0.00	0.0		140.35
47	40,864	0.00	0.0		142.09

Region table for sample 11 : D2 CACNA1A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	325	7,142.5	55,246.27	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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