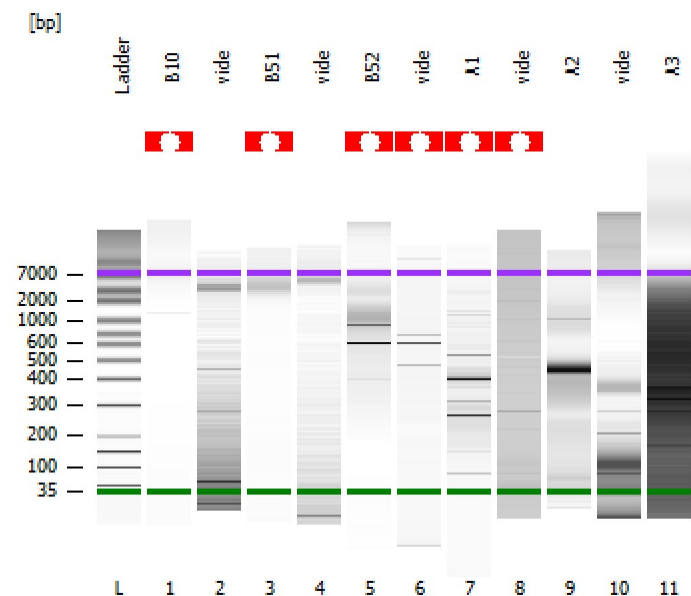


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

Electrophoresis File Run Summary



Instrument Information:

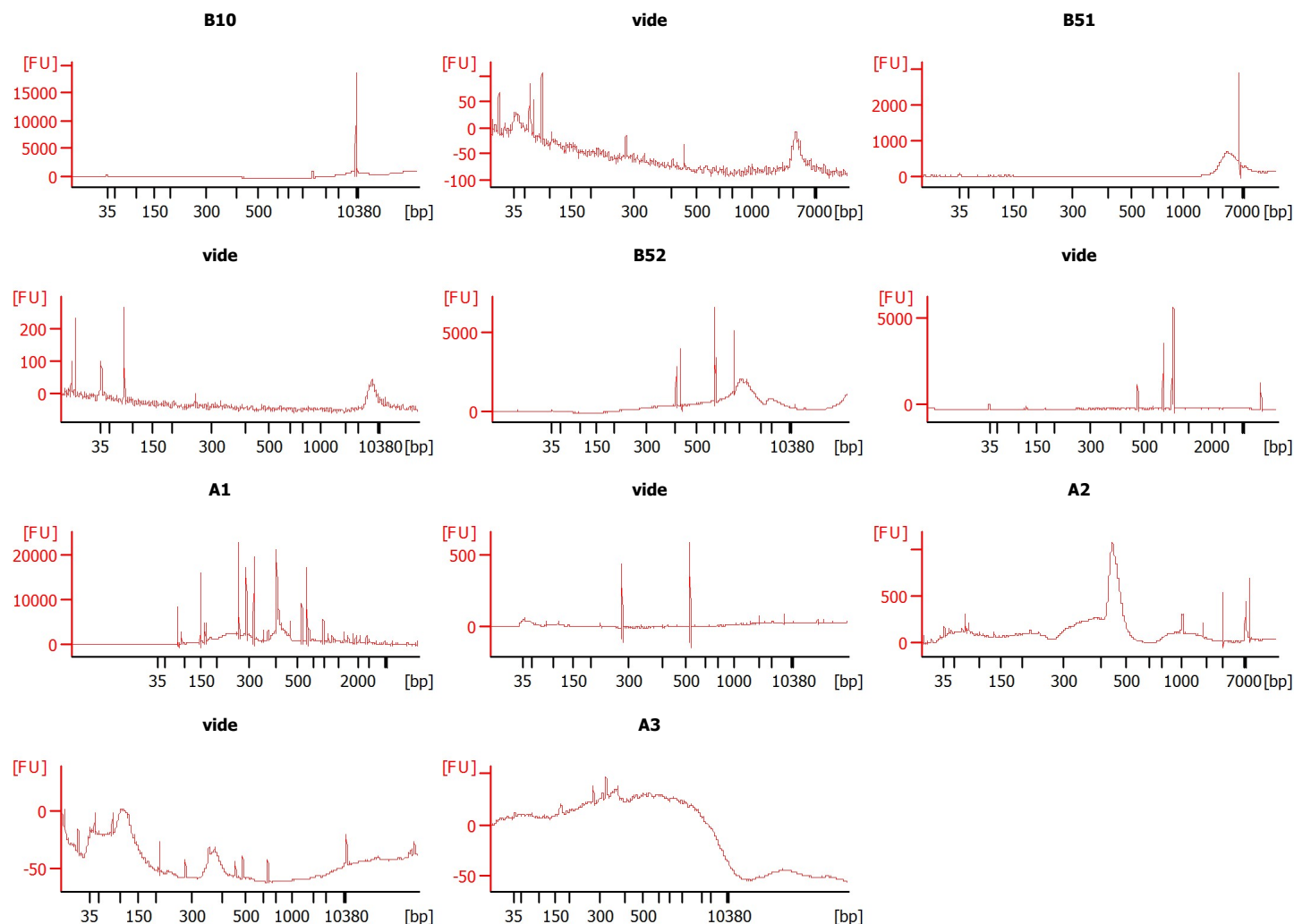
Instrument Name: DE13701290 Firmware: C.01.069
Serial#: DE13701290 Type: G2938B

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: 1.0
Assay Comments: Copyright © 2003-2009 Agilent Technologies

Chip Information:













Chip Lot #: WM15BK50
Reagent Kit Lot #: 1810
Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
B10		<input type="checkbox"/>				
vide		<input type="checkbox"/>				
B51		<input type="checkbox"/>				
vide		<input type="checkbox"/>				
B52		<input type="checkbox"/>				
vide		<input type="checkbox"/>				
A1		<input type="checkbox"/>				
vide		<input type="checkbox"/>				
A2		<input type="checkbox"/>				
vide		<input type="checkbox"/>				
A3		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

WM15BK50

Reagent Kit Lot #

1810

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

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

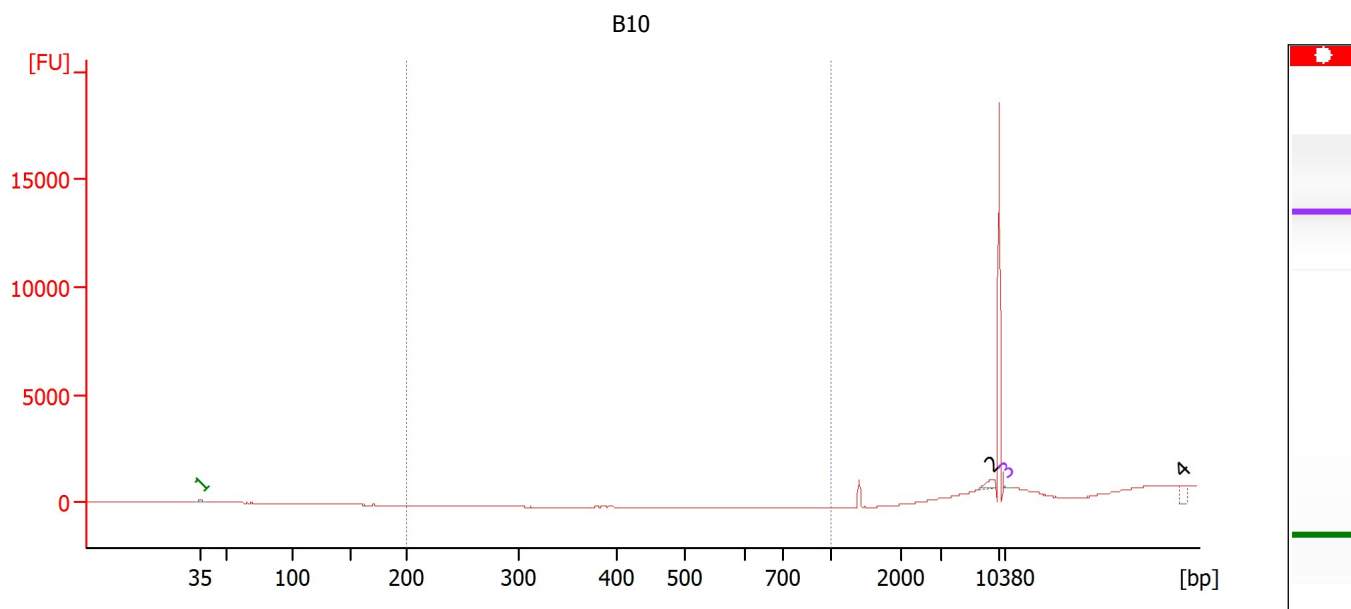
Filter Width [s] : 0,5
Polynomial Order : 4

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:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

Electropherogram Summary**Overall Results for sample 1 : B10**

Number of peaks found: 2 Corr. Area 1: 0,0
Noise: 3,5

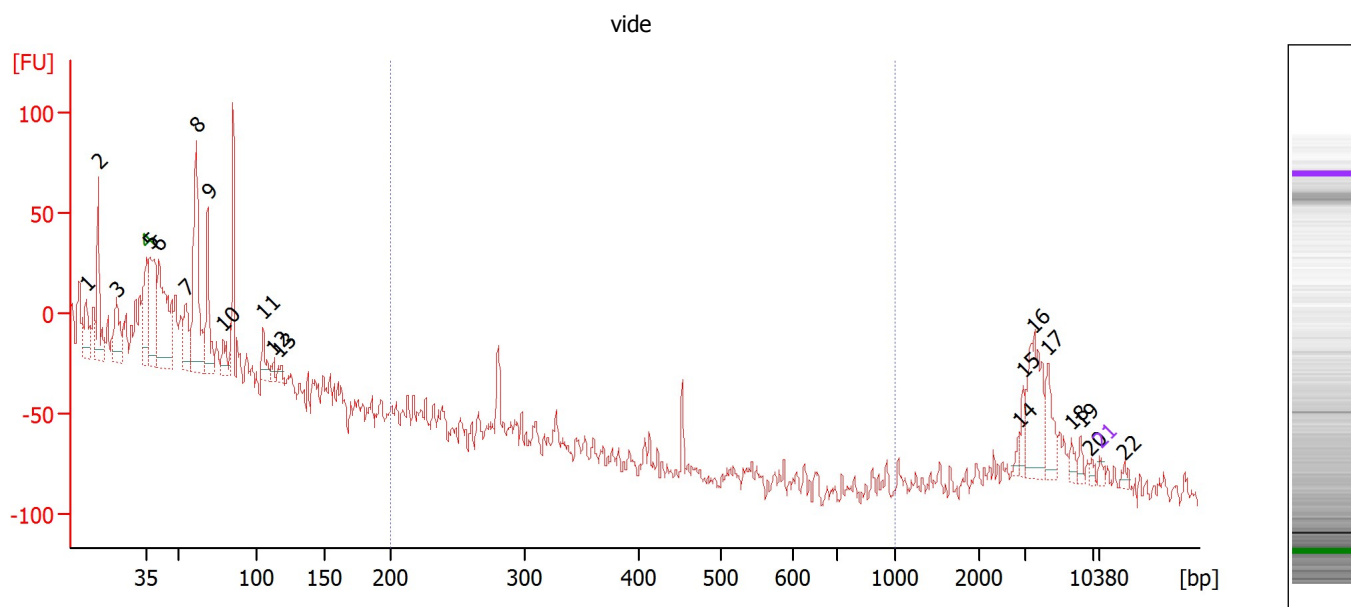
Peak table for sample 1 : B10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	6 517	719,85	167,3	
3	10 380	75,00	10,9	Upper Marker
4	127 756	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...



Overall Results for sample 2 : vide

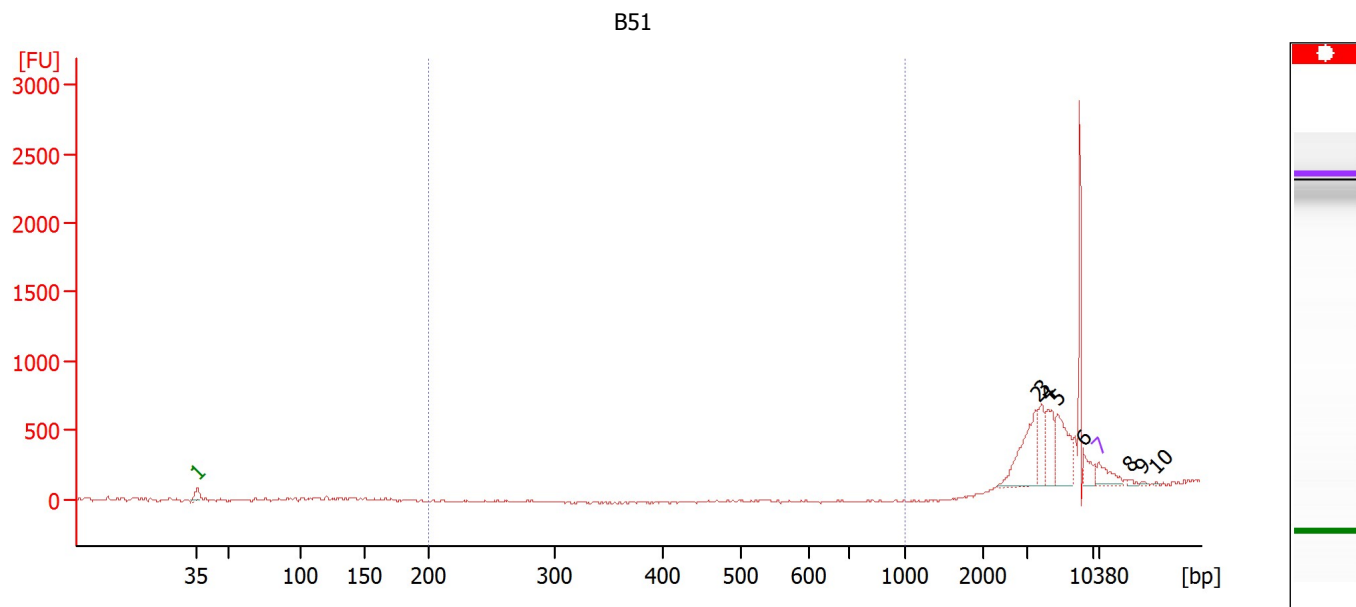
Number of peaks found: 20 Corr. Area 1: 5,2
 Noise: 6,4

Peak table for sample 2 : vide

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	19	0,00	0,0	
2	22	0,00	0,0	
3	27	0,00	0,0	
4	35	125,00	5 411,3	Lower Marker
5	37	2 688,30	110 855,6	
6	41	3 633,21	135 164,2	
7	54	1 088,52	30 344,4	
8	61	3 806,86	94 819,7	
9	68	1 728,62	38 328,5	
10	78	581,10	11 255,8	
11	104	505,52	7 335,5	
12	112	212,62	2 877,7	
13	116	185,12	2 419,8	
14	2 861	73,64	39,0	
15	2 963	234,68	120,0	
16	3 523	1 099,42	472,8	
17	4 333	464,71	162,5	
18	5 734	135,67	35,8	
19	6 264	100,34	24,3	
20	6 793	70,65	15,8	
21	10 380	75,00	10,9	Upper Marker
22	24 060	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...**Overall Results for sample 3 : B51**

Number of peaks found: 8 Corr. Area 1: 0,0
 Noise: 7,2

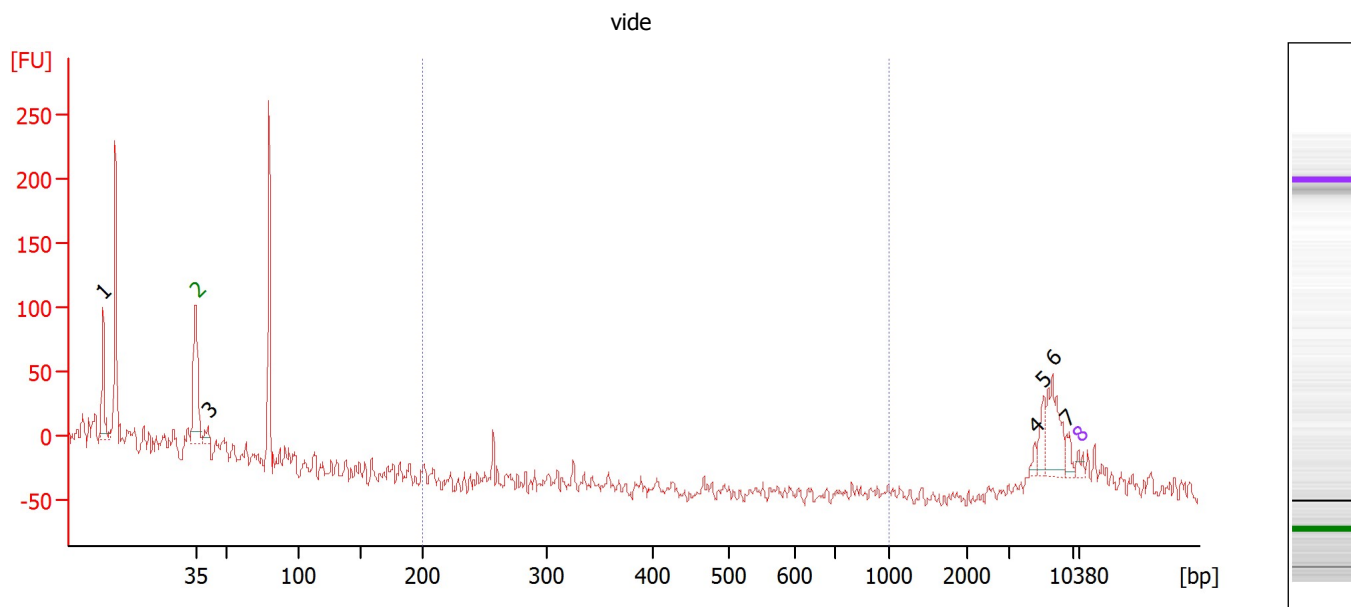
Peak table for sample 3 : B51

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	3 615	303,77	127,3	
3	3 812	114,93	45,7	
4	4 206	158,14	57,0	
5	4 829	222,59	69,8	
6	6 469	59,00	13,8	
7	10 380	75,00	10,9	Upper Marker
8	28 855	0,00	0,0	
9	35 431	0,00	0,0	
10	44 198	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...



Overall Results for sample 4 : vide

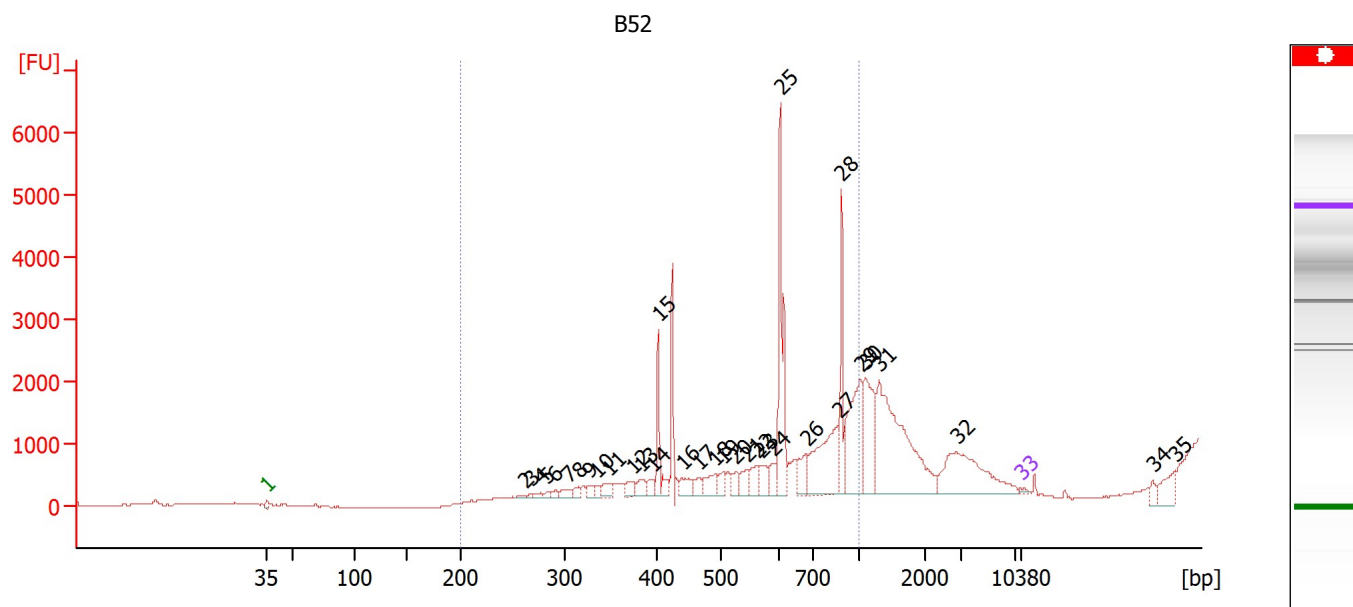
Number of peaks found: 6 Corr. Area 1: 3,5
 Noise: 8,7

Peak table for sample 4 : vide

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	9	0,00	0,0	
2	35	125,00	5 411,3	Lower Marker
3	41	223,08	8 260,4	
4	4 561	65,14	21,6	
5	5 133	229,71	67,8	
6	5 672	616,18	164,6	
7	6 580	107,78	24,8	
8	10 380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...**Overall Results for sample 5 : B52**

Number of peaks found: 33 Corr. Area 1: 7 440,1
 Noise: 10,2

Peak table for sample 5 : B52

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	262	106,11	613,1	
3	267	103,15	584,8	
4	277	181,37	992,9	
5	282	149,18	800,7	
6	290	220,30	1 149,8	
7	304	415,89	2 069,7	
8	315	280,38	1 348,8	
9	326	336,78	1 565,1	
10	335	295,63	1 338,0	
11	348	584,74	2 544,5	
12	374	561,19	2 274,5	
13	382	597,60	2 370,3	
14	397	468,01	1 788,1	
15	403	1 926,81	7 252,4	
16	439	689,82	2 379,8	
17	465	534,66	1 741,2	
18	491	944,77	2 918,4	
19	503	545,48	1 642,7	
20	525	504,16	1 455,7	
21	546	667,39	1 850,9	
22	562	781,30	2 105,4	
23	570	768,75	2 044,2	
24	591	698,28	1 789,0	
25	606	4 756,35	11 894,6	
26	683	1 069,28	2 372,8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

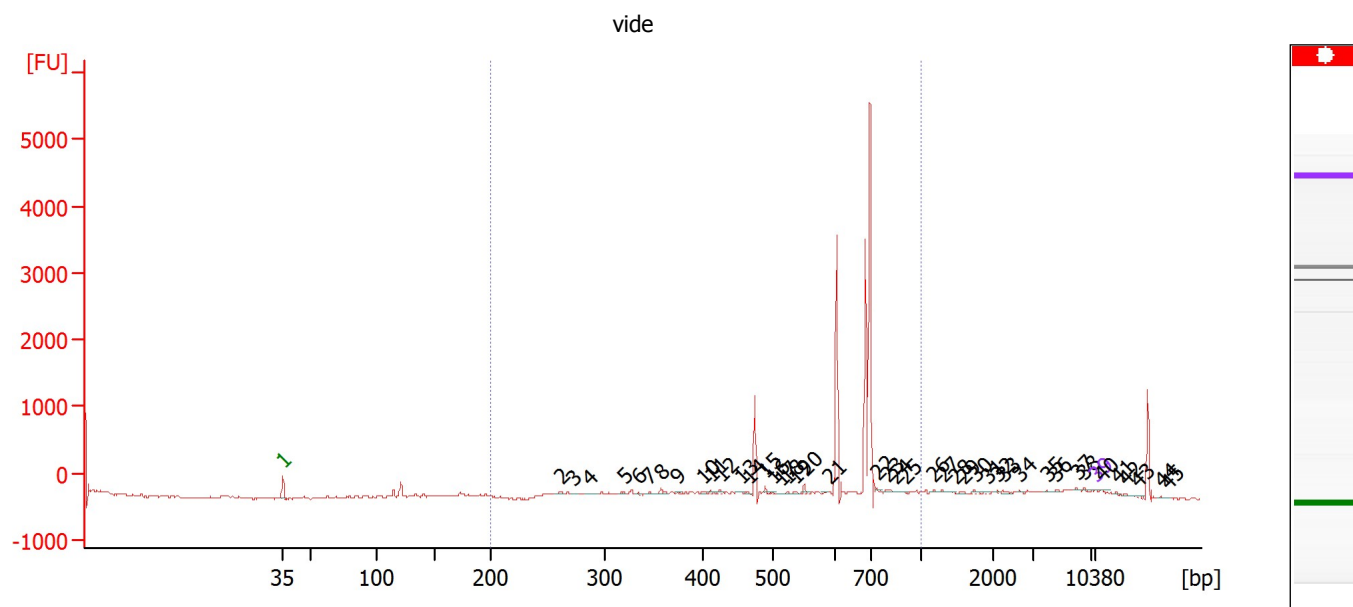
Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...**... Peak table for sample 5 : B52**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	867	3 896,92	6 808,2	
28	892	2 523,28	4 287,3	
29	1 032	3 823,00	5 611,4	
30	1 112	3 053,18	4 160,3	
31	1 319	7 711,17	8 857,0	
32	2 857	3 646,69	1 934,1	
33	10 380	75,00	10,9	Upper Marker
34	103 604	0,00	0,0	
35	119 329	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...**Overall Results for sample 6 : vide**

Number of peaks found: 43 Corr. Area 1: 4 671,8
 Noise: 20,3


Peak table for sample 6 : vide

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	261	136,42	791,4	
3	271	118,16	660,9	
4	285	131,06	696,3	
5	320	295,62	1 400,6	
6	333	113,79	517,4	
7	345	237,52	1 043,1	
8	357	520,91	2 211,9	
9	373	47,71	193,8	
10	400	176,23	668,0	
11	410	230,45	851,4	
12	424	275,05	982,0	
13	452	178,19	597,2	
14	463	262,87	859,6	
15	488	331,13	1 027,9	
16	499	53,10	161,4	
17	512	33,39	98,8	
18	523	104,86	304,1	
19	536	187,92	530,8	
20	550	517,65	1 425,5	
21	590	101,02	259,5	
22	731	19,48	40,4	
23	799	321,71	610,1	
24	844	67,52	121,2	
25	902	70,71	118,8	
26	1 173	113,69	146,9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

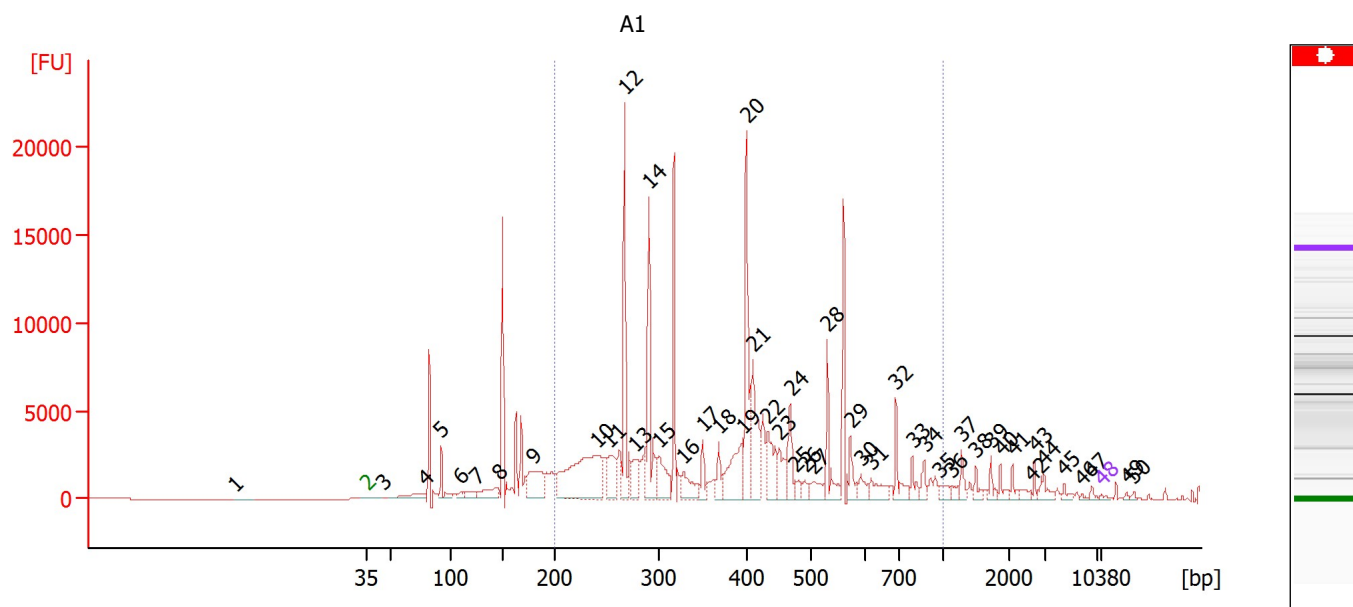
Electropherogram Summary Continued ...**... Peak table for sample 6 : vide**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	1 305	56,46	65,6	
28	1 466	41,02	42,4	
29	1 591	113,01	107,6	
30	1 745	150,40	130,6	
31	1 935	77,48	60,7	
32	2 135	118,59	84,2	
33	2 241	186,98	126,4	
34	2 664	64,85	36,9	
35	3 998	87,32	33,1	
36	4 611	101,16	33,2	
37	6 019	79,12	19,9	
38	6 524	110,71	25,7	
39	 10 380	75,00	10,9	Upper Marker
40	13 136	0,00	0,0	
41	23 818	0,00	0,0	
42	29 331	0,00	0,0	
43	37 256	0,00	0,0	
44	52 762	0,00	0,0	
45	56 897	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...



Overall Results for sample 7 : A1

Number of peaks found: 48 Corr. Area 1: 94 965,6
 Noise: 7,9

Peak table for sample 7 : A1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0,00	0,0	
2	35	125,00	5 411,3	Lower Marker
3	44	57,49	1 969,8	
4	78	1 019,60	19 747,8	
5	92	1 451,46	23 975,0	
6	109	327,03	4 562,4	
7	124	620,08	7 589,8	
8	145	1 495,39	15 621,2	
9	178	3 128,97	26 681,9	
10	240	9 653,68	60 995,2	
11	253	2 314,52	13 887,9	
12	268	5 694,48	32 222,6	
13	278	1 564,80	8 515,1	
14	291	5 138,19	26 739,5	
15	302	2 224,24	11 176,6	
16	329	1 613,51	7 436,9	
17	351	882,29	3 812,8	
18	368	946,41	3 893,0	
19	396	3 284,25	12 580,4	
20	400	5 015,82	19 014,3	
21	409	4 020,57	14 877,1	
22	433	2 339,24	8 177,3	
23	452	1 461,83	4 904,5	
24	468	1 725,41	5 584,5	
25	476	453,06	1 443,5	
26	491	457,41	1 410,7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

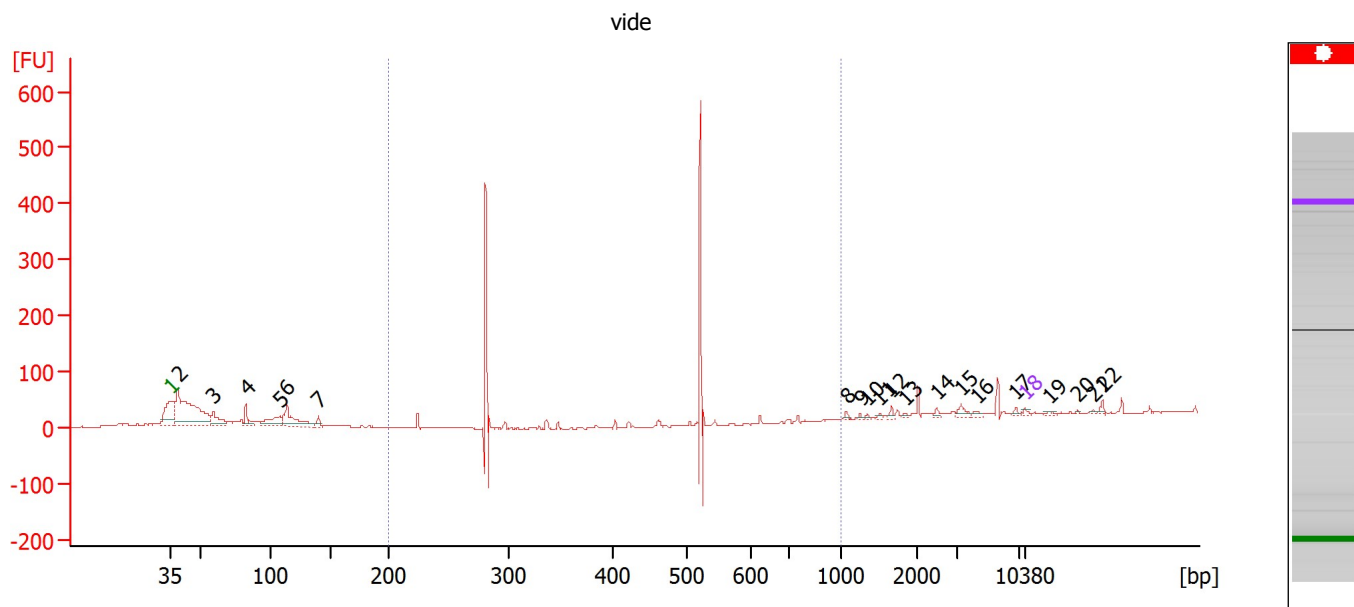
Electropherogram Summary Continued ...**... Peak table for sample 7 : A1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	505	889,06	2 666,6	
28	531	1 961,88	5 599,5	
29	573	948,16	2 508,2	
30	592	664,90	1 702,3	
31	618	942,20	2 310,9	
32	691	1 298,28	2 846,3	
33	790	618,64	1 186,9	
34	871	593,89	1 032,7	
35	974	433,10	673,6	
36	1 127	259,18	348,4	
37	1 281	539,25	637,9	
38	1 491	383,42	389,6	
39	1 733	363,65	317,9	
40	1 879	376,04	303,2	
41	2 117	321,70	230,2	
42	2 628	230,60	133,0	
43	2 730	279,38	155,1	
44	2 992	466,17	236,0	
45	4 491	199,70	67,4	
46	5 843	62,84	16,3	
47	6 598	132,95	30,5	
48	10 380	75,00	10,9	Upper Marker
49	28 228	0,00	0,0	
50	33 924	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...



Overall Results for sample 8 : vide

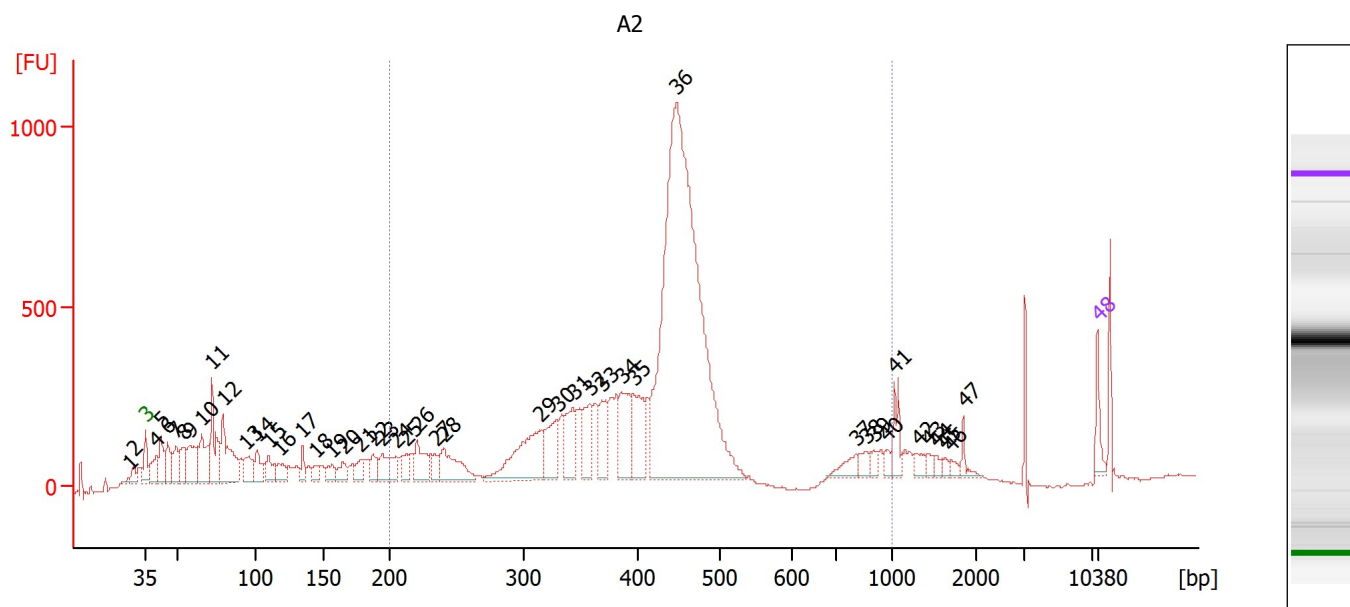
Number of peaks found: 20 Corr. Area 1: 232,9
 Noise: 0,8

Peak table for sample 8 : vide

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	39	7 317,60	287 157,0	
3	60	1 182,55	30 110,7	
4	83	788,73	14 449,3	
5	109	1 316,82	18 366,2	
6	114	1 835,48	24 314,1	
7	140	269,00	2 901,8	
8	1 074	63,24	89,2	Upper Marker
9	1 257	52,07	62,7	
10	1 349	50,88	57,1	
11	1 519	59,12	59,0	
12	1 667	101,08	91,9	
13	1 843	55,34	45,5	
14	2 495	90,93	55,2	
15	3 220	209,39	98,5	
16	4 228	81,76	29,3	
17	6 763	77,24	17,3	
18	10 380	75,00	10,9	
19	25 306	0,00	0,0	
20	43 216	0,00	0,0	
21	52 835	0,00	0,0	
22	58 805	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...**Overall Results for sample 9 : A2**

Number of peaks found: 46 Corr. Area 1: 9 741,6
 Noise: 4,3


Peak table for sample 9 : A2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0,00	0,0	
2	32	0,00	0,0	
3	35	125,00	5 411,3	Lower Marker
4	40	146,26	5 545,1	
5	42	204,02	7 325,8	
6	45	188,36	6 283,0	
7	49	175,65	5 387,9	
8	54	169,42	4 730,0	
9	57	296,62	7 839,8	
10	65	283,75	6 565,3	
11	72	393,95	8 297,0	
12	79	454,05	8 699,5	
13	94	168,59	2 726,3	
14	101	136,70	2 043,3	
15	110	133,61	1 846,1	
16	117	117,03	1 513,5	
17	135	80,12	899,7	
18	145	62,12	650,0	
19	157	76,50	739,6	
20	165	90,80	831,3	
21	178	95,68	813,3	
22	188	96,80	780,9	
23	195	128,44	1 000,1	
24	205	80,46	594,9	
25	212	74,14	528,7	
26	221	192,95	1 324,0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

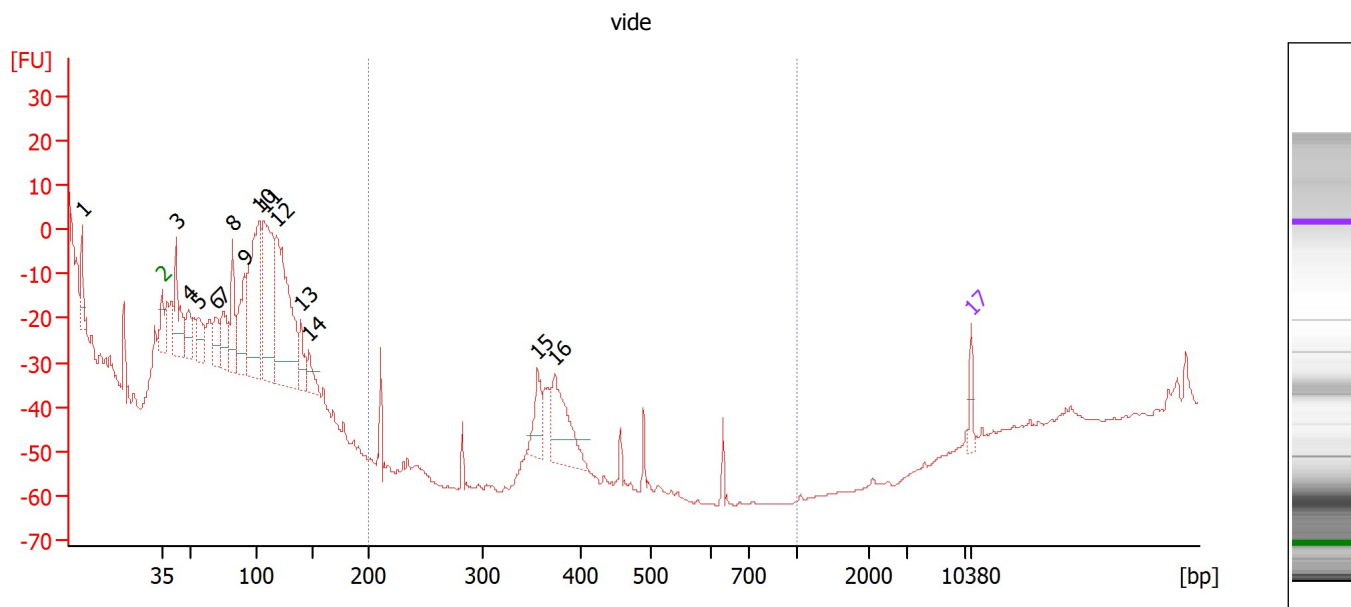
Electropherogram Summary Continued ...**... Peak table for sample 9 : A2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	234	80,15	518,4	
28	241	262,26	1 651,3	
29	315	473,50	2 277,9	
30	330	246,31	1 131,9	
31	344	225,04	992,5	
32	358	201,24	852,0	
33	369	196,17	805,6	
34	386	276,71	1 087,4	
35	396	291,64	1 115,4	
36	447	3 582,66	12 147,0	
37	811	77,72	145,3	
38	863	48,00	84,3	
39	902	33,41	56,1	
40	963	34,39	54,1	
41	1 023	96,85	143,5	
42	1 294	38,71	45,3	
43	1 414	29,60	31,7	
44	1 527	20,03	19,9	
45	1 622	21,86	20,4	
46	1 691	21,25	19,0	
47	1 843	35,25	29,0	
48	 10 380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...



Overall Results for sample 10 : vide

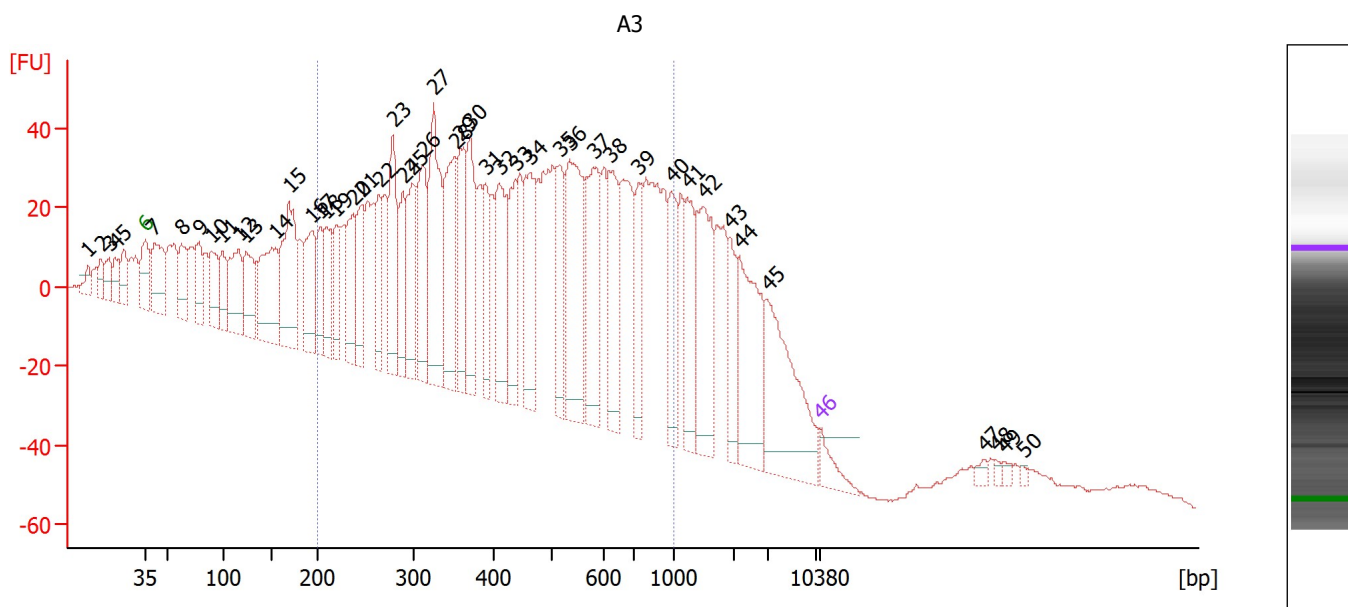
Number of peaks found: 15 Corr. Area 1: 0,0
 Noise: 0,2

Peak table for sample 10 : vide

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	11	0,00	0,0	
2	35	125,00	5 411,3	Lower Marker
3	43	650,08	23 102,3	
4	49	277,45	8 511,4	
5	57	270,01	7 201,9	
6	70	297,52	6 470,0	
7	75	391,08	7 911,1	
8	83	486,61	8 932,2	
9	91	647,78	10 739,4	
10	103	1 534,90	22 663,9	
11	107	1 581,31	22 429,7	
12	118	1 804,80	23 167,0	
13	140	267,31	2 902,6	
14	147	225,28	2 329,2	
15	355	301,25	1 284,0	
16	374	597,42	2 423,5	
17	10 380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
 Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...**Overall Results for sample 11 : A3**

Number of peaks found: 48 Corr. Area 1: 2 136,4
 Noise: 0,4

Peak table for sample 11 : A3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	14	0,00	0,0	
2	19	0,00	0,0	
3	22	0,00	0,0	
4	24	0,00	0,0	
5	27	0,00	0,0	
6	35	125,00	5 411,3	Lower Marker
7	41	428,44	15 838,0	
8	62	270,01	6 571,8	
9	78	246,96	4 816,8	
10	89	275,38	4 674,5	
11	99	214,26	3 282,3	
12	116	410,43	5 356,2	
13	124	341,26	4 171,6	
14	155	586,98	5 723,6	
15	169	629,50	5 645,1	
16	193	398,49	3 123,8	
17	202	222,53	1 666,5	
18	209	296,04	2 151,2	
19	219	226,86	1 568,1	
20	237	346,28	2 211,7	
21	246	309,80	1 910,7	
22	264	263,37	1 510,1	
23	279	456,63	2 480,8	
24	290	274,91	1 438,3	
25	300	368,99	1 865,3	
26	313	451,47	2 187,1	

Assay Class: High Sensitivity DNA Assay
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Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

Electropherogram Summary Continued ...**... Peak table for sample 11 : A3**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	326	651,56	3 029,5	
28	352	549,85	2 366,3	
29	359	384,61	1 625,0	
30	371	411,14	1 678,8	
31	390	238,65	927,0	
32	409	413,09	1 530,4	
33	436	307,70	1 068,3	
34	461	453,94	1 491,6	
35	515	307,74	904,9	
36	534	700,28	1 985,9	
37	581	513,42	1 339,7	
38	620	382,49	934,5	
39	735	236,98	488,8	
40	974	278,13	432,5	
41	1 210	274,30	343,5	
42	1 487	443,22	451,5	
43	1 935	167,53	131,2	
44	2 157	456,15	320,4	
45	2 998	537,98	271,9	
46	10 380	75,00	10,9	Upper Marker
47	139 914	0,00	0,0	
48	149 166	0,00	0,0	
49	156 316	0,00	0,0	
50	171 036	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13701290_2019-03-04_15-50-49.xad

Created: 04/03/2019 15:50:50
Modified: 05/03/2019 09:59:24

Gel Image