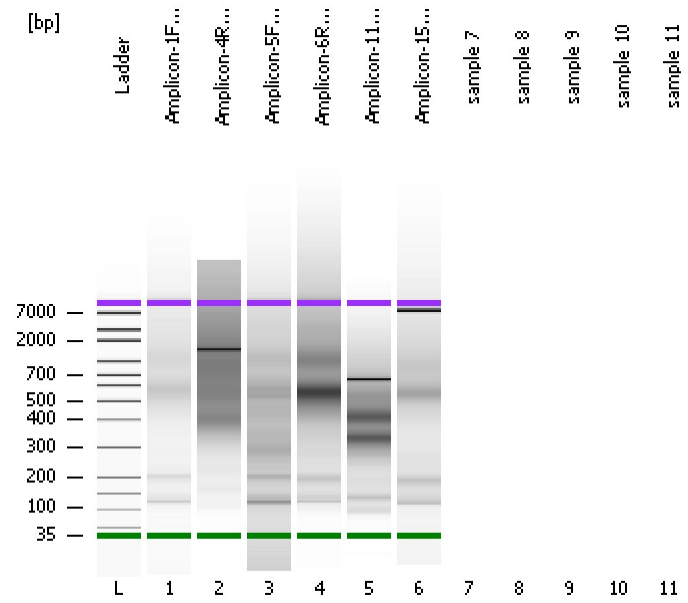
Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name:	Ann's baby	Firmware:	C.01.069
Serial#:	DE24802235	Type:	G2938B

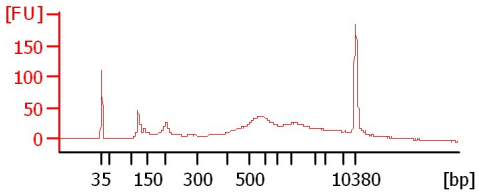
Assay Information:

Assay Origin Path:	D:\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

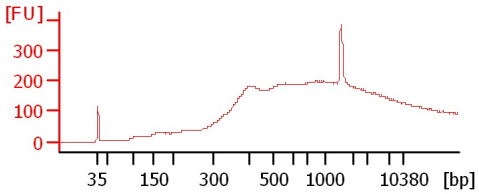
Chip Information:

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

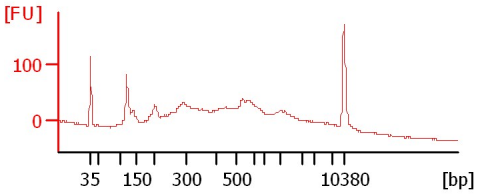
Amplicon-1F a YM50



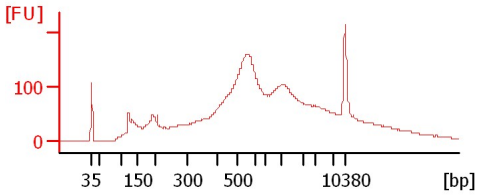
Amplicon-4R a YM50



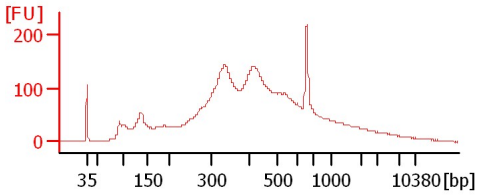
Amplicon-5F a YM50



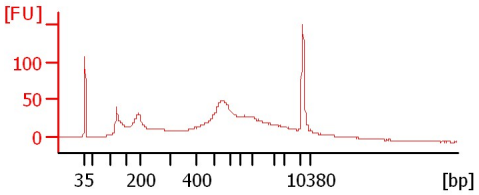
Amplicon-6R a YM50



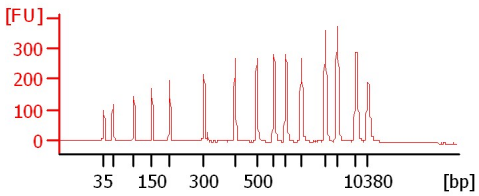
Amplicon-11R a YM50



Amplicon-15R a YM50



Ladder



Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
Amplicon-1F a YM50		☐	✔			
Amplicon-4R a YM50		☐	✔			
Amplicon-5F a YM50		☐	✔			
Amplicon-6R a YM50		☐	✔			
Amplicon-11R a YM50		☐	✔			
Amplicon-15R a YM50		☐	✔			
sample 7		☐				
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

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

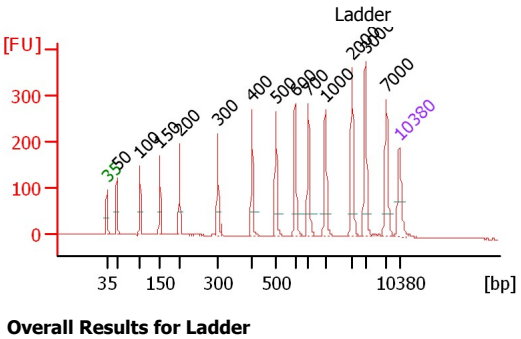
Ladder

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: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

Electropherogram Summary



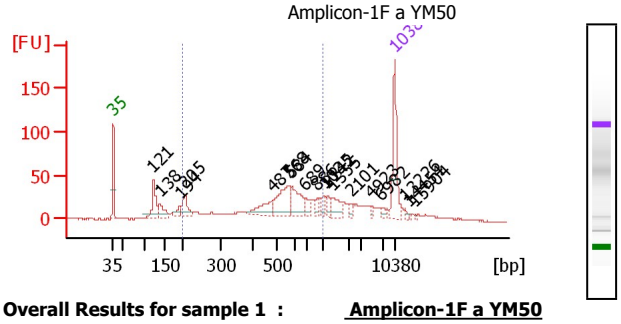
Overall Results for Ladder

Noise: 0.3

Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		50	150.00	4,545.5	Ladder Peak
3		100	150.00	2,272.7	Ladder Peak
4		150	150.00	1,515.2	Ladder Peak
5		200	150.00	1,136.4	Ladder Peak
6		300	150.00	757.6	Ladder Peak
7		400	150.00	568.2	Ladder Peak
8		500	150.00	454.5	Ladder Peak
9		600	150.00	378.8	Ladder Peak
10		700	150.00	324.7	Ladder Peak
11		1,000	150.00	227.3	Ladder Peak
12		2,000	150.00	113.6	Ladder Peak
13		3,000	150.00	75.8	Ladder Peak

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker



Overall Results for sample 1 : Amplicon-1F a YM50

Number of peaks found: 18
Noise: 0.3
Corr. Area 1: 739.1

Region table for sample 1 : Amplicon-1F a YM50

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	739.1	55	532	36.6	430.05	1,572.1	

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

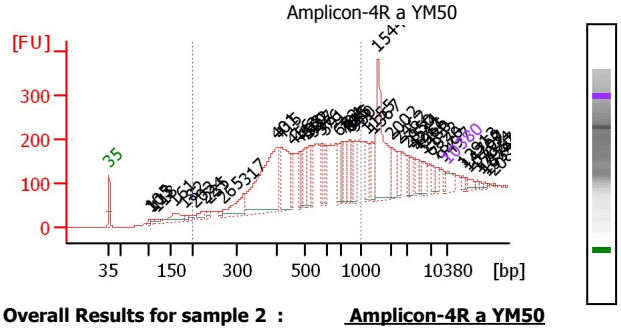
Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

Electropherogram Summary Continued ...

Peak table for sample 1 : Amplicon-1F a YM50

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	71.23	888.8	
3	138	34.72	380.2	
4	194	18.70	146.4	
5	205	40.76	300.8	
6	487	45.62	142.0	
7	568	73.52	196.1	
8	584	53.41	138.6	
9	689	15.20	33.4	
10	886	9.48	16.2	
11	1,035	11.72	17.2	
12	1,142	14.93	19.8	
13	1,355	25.09	28.1	
14	2,101	5.92	4.3	
15	4,923	4.12	1.3	
16	6,982	5.30	1.2	
17	10,380	75.00	10.9	Upper Marker
18	13,226	0.00	0.0	
19	14,454	0.00	0.0	
20	15,904	0.00	0.0	

Amplicon-4R a YM50



Overall Results for sample 2 : Amplicon-4R a YM50

Number of peaks found:	47
Noise:	0.3
Corr. Area 1:	3,927.9

Region table for sample 2 : Amplicon-4R a YM50

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	3,927.9	65	549	32.2	5,083.02	16,156.4	

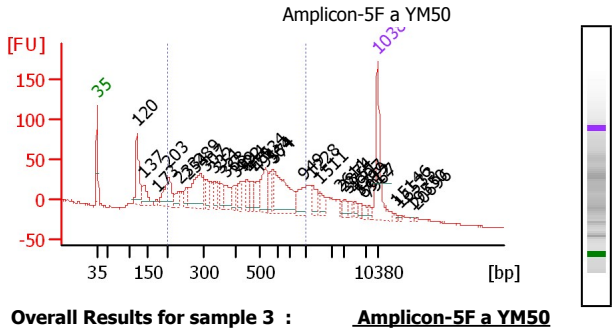
Peak table for sample 2 : Amplicon-4R a YM50

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	105	38.09	550.8	
3	113	36.38	487.8	
4	118	52.74	674.5	
5	161	231.02	2,174.3	
6	182	31.55	262.4	
7	202	44.44	334.0	
8	224	76.17	514.5	
9	235	33.00	213.0	
10	265	26.92	153.9	
11	317	282.27	1,349.3	
12	401	1,204.88	4,556.7	
13	415	553.05	2,019.4	
14	456	127.82	425.0	
15	483	125.54	394.0	
16	493	127.03	390.7	
17	510	198.18	588.2	
18	522	130.15	377.9	
19	537	147.70	416.9	
20	576	130.40	342.8	
21	591	161.01	412.5	
22	682	141.45	314.1	
23	704	116.11	249.9	
24	765	156.88	310.8	
25	816	136.28	253.0	
26	845	108.56	194.6	
27	900	104.67	176.3	
28	1,155	125.61	164.8	
29	1,367	105.44	116.9	
30	1,544	650.95	638.8	
31	2,002	151.68	114.8	
32	2,462	69.10	42.5	
33	2,950	60.81	31.2	
34	3,524	80.81	34.7	
35	4,211	76.64	27.6	
36	4,966	44.38	13.5	
37	5,480	98.35	27.2	
38	6,922	60.59	13.3	
39	7,870	56.22	10.8	
40	9,497	33.99	5.4	
41	10,380	75.00	10.9	Upper Marker
42	13,913	0.00	0.0	
43	14,750	0.00	0.0	
44	15,307	0.00	0.0	
45	17,074	0.00	0.0	
46	17,957	0.00	0.0	
47	18,747	0.00	0.0	
48	19,398	0.00	0.0	
49	20,886	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Amplicon-5F a YM50

Number of peaks found:	33
Noise:	0.4
Corr. Area 1:	1,500.4

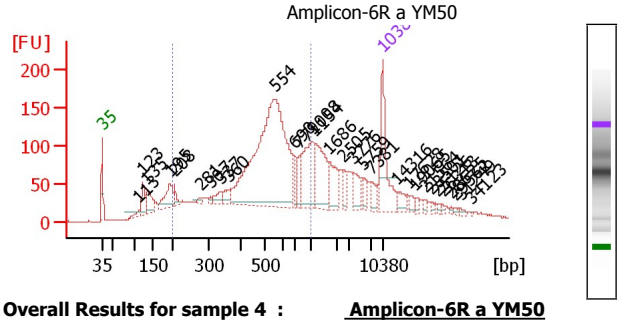
Region table for sample 3 : Amplicon-5F a YM50

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	1,500.4	68	468	39.6	742.36	2,995.8	

Peak table for sample 3 : Amplicon-5F a YM50

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	120	101.95	1,282.2	
3	137	44.21	488.8	
4	173	7.37	64.4	
5	203	76.93	574.9	
6	233	22.37	145.6	
7	254	21.10	126.0	
8	289	108.36	567.3	
9	307	34.96	172.7	
10	332	29.50	134.6	
11	351	25.18	108.8	
12	368	31.46	129.6	
13	399	23.37	88.7	
14	422	29.84	107.1	
15	444	25.50	87.1	
16	470	23.72	76.4	
17	491	22.25	68.7	
18	534	59.05	167.6	
19	564	21.84	58.7	
20	574	109.49	289.0	
21	949	29.31	46.8	
22	1,228	23.47	29.0	
23	1,511	15.39	15.4	
24	2,611	5.07	2.9	
25	2,874	10.41	5.5	
26	3,751	4.89	2.0	

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	4,997	6.73	2.0	
28	5,799	6.62	1.7	
29	6,912	6.77	1.5	
30	7,967	4.90	0.9	
31	10,380	75.00	10.9	Upper Marker
32	15,146	0.00	0.0	
33	16,533	0.00	0.0	
34	19,550	0.00	0.0	
35	20,696	0.00	0.0	



Overall Results for sample 4 : Amplicon-6R a YM50

Number of peaks found:	30
Noise:	0.2
Corr. Area 1:	2,898.8

Region table for sample 4 : Amplicon-6R a YM50

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	2,898.8	58	529	34.6	1,109.80	3,878.8	

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
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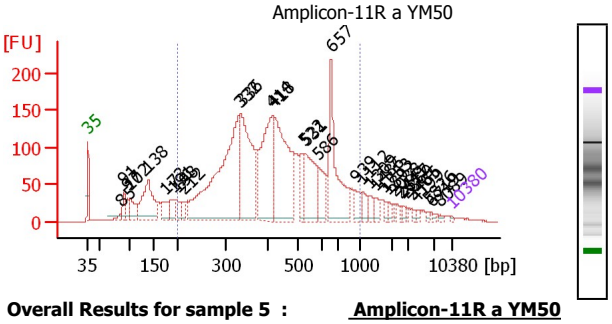
Electropherogram Summary Continued ...

Peak table for sample 4 : Amplicon-6R a YM50

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	113	12.47	167.0	
3	123	38.08	469.2	
4	135	50.04	563.2	
5	195	55.75	434.2	
6	208	12.29	89.3	
7	281	7.52	40.5	
8	307	3.82	18.8	
9	337	16.46	74.0	
10	360	20.62	86.7	
11	554	511.01	1,398.2	
12	690	19.57	43.0	
13	779	19.88	38.6	
14	1,008	93.10	140.0	
15	1,154	80.22	105.3	
16	1,686	43.48	39.1	
17	2,505	15.05	9.1	
18	3,776	24.08	9.7	
19	5,759	11.09	2.9	
20	7,381	10.70	2.2	
21	10,380	75.00	10.9	Upper Marker
22	14,316	0.00	0.0	
23	17,628	0.00	0.0	
24	19,065	0.00	0.0	
25	21,564	0.00	0.0	
26	23,501	0.00	0.0	
27	25,126	0.00	0.0	
28	26,313	0.00	0.0	
29	28,625	0.00	0.0	
30	29,562	0.00	0.0	
31	31,249	0.00	0.0	
32	34,123	0.00	0.0	



Overall Results for sample 5 : Amplicon-11R a YM50

Number of peaks found:	32
Noise:	0.3
Corr. Area 1:	4,367.8

Region table for sample 5 : Amplicon-11R a YM50

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	4,367.8	78	449	35.3	91,626.88	364,824.8	

Peak table for sample 5 : Amplicon-11R a YM50

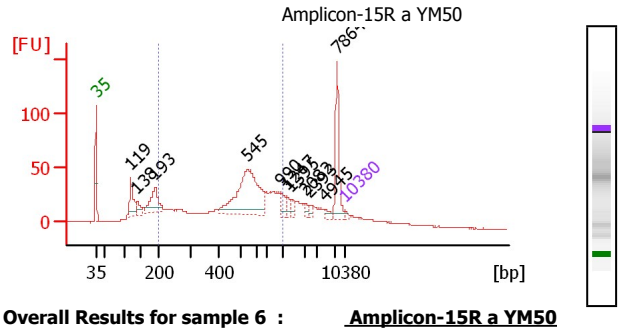
Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	85	683.47	12,165.3	
3	91	1,981.46	33,166.6	
4	97	1,165.07	18,199.7	
5	102	2,925.52	43,652.3	
6	138	8,816.86	96,796.9	
7	173	1,869.45	16,411.5	
8	191	2,061.41	16,350.9	
9	198	1,311.64	10,043.3	
10	212	759.40	5,418.5	
11	332	24,274.95	110,660.5	
12	336	13,364.23	60,298.6	
13	414	10,246.12	37,476.7	
14	418	13,946.25	50,582.9	
15	522	2,446.01	7,094.3	
16	531	5,551.16	15,834.9	
17	586	2,767.82	7,152.4	
18	657	8,397.28	19,372.5	
19	939	1,195.90	1,929.1	
20	1,112	852.35	1,161.4	
21	1,309	702.50	813.4	
22	1,486	687.93	701.3	
23	1,753	338.99	293.1	
24	1,892	390.24	312.5	
25	2,088	215.08	156.1	

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
26	2,441	177.59	110.2	
27	2,617	206.75	119.7	
28	2,869	157.27	83.1	
29	3,465	189.44	82.8	
30	4,199	172.70	62.3	
31	5,826	120.37	31.3	
32	6,719	109.39	24.7	
33	8,089	102.12	19.1	
34	10,380	75.00	10.9	Upper Marker



Overall Results for sample 6 : Amplicon-15R a YM50

Number of peaks found:	11
Noise:	0.4
Corr. Area 1:	922.7

Region table for sample 6 : Amplicon-15R a YM50

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	922.7	52	524	36.7	14,246.51	52,413.01	

Peak table for sample 6 : Amplicon-15R a YM50

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	119	1,566.01	19,878.5	
3	138	566.05	6,192.8	
4	193	1,900.91	14,952.4	
5	545	5,039.77	14,018.0	
6	990	408.11	624.3	
7	1,247	166.58	202.3	
8	1,395	219.70	238.6	
9	2,082	124.10	90.3	
10	2,393	147.94	93.7	
11	4,945	163.59	50.1	
12	7,864	1,688.62	325.3	
13	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-03-16_16-45-15.xad

Created: 3/16/2011 4:45:15 PM
Modified: 3/16/2011 5:12:26 PM

Gel Image