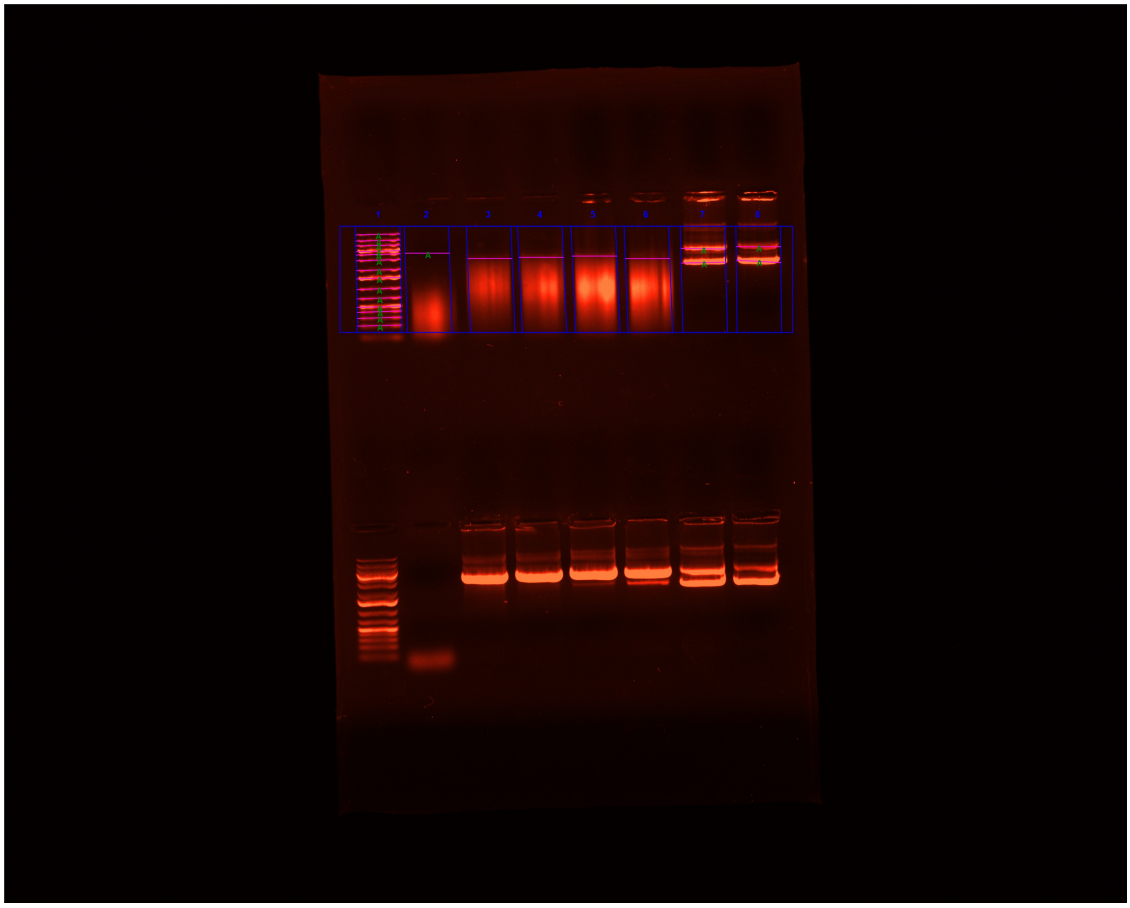
Image Report: Lab Molecolare 2020-10-06 12h28m27s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\actin inhibiton plasmidChemiDoc Images 2021-01-19_14.41.06\Lab Molecolare 2020-10-06 12h28m27s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.050 (Manual)
Flat Field	Applied (Red Plate / UV Trans / Green Filter)
Serial Number	734BR-2850
Software Version	2.3.0.07
Application	Ethidium Bromide
Excitation Source	UV Trans Illumination
Emission Filter	602/50 Filter

Image Information

Acquisition Date	06/10/2020 1:28:27
User Name	Lab Molecolare
Image Area (mm)	X: 156.1 Y: 124.9
Pixel Size (µm)	X: 56.8 Y: 56.8
Data Range (Int)	1 - 19933

Analysis Settings

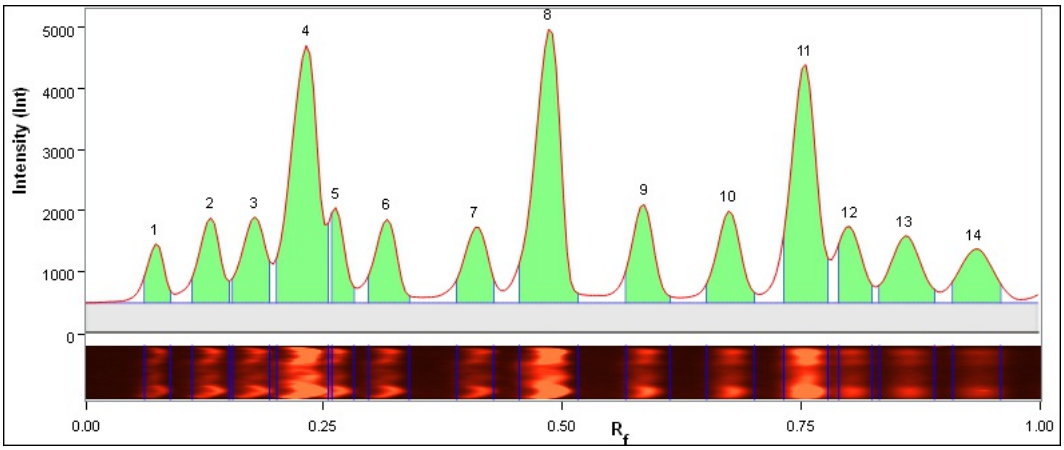
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: 6.19 mm
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 20.0 ng Lane 1 Band 2 Quantity 20.0 ng Lane 1 Band 3 Quantity 20.0 ng Lane 1 Band 4 Quantity 75.0 ng Lane 1 Band 5 Quantity 20.0 ng Lane 1 Band 6 Quantity 20.0 ng Lane 1 Band 7 Quantity 20.0 ng Lane 1 Band 8 Quantity 80.0 ng Lane 1 Band 9 Quantity 25.0 ng Lane 1 Band 10 Quantity 25.0 ng Lane 1 Band 11 Quantity 75.0 ng Lane 1 Band 12 Quantity 20.0 ng Lane 1 Band 13 Quantity 20.0 ng Lane 1 Band 14 Quantity 20.0 ng Lane 2 Band 1 Quantity 5.0 ng Lane 7 Band 1 Quantity 90.0 ng Lane 7 Band 2 Quantity 110.0 ng Lane 8 Band 1 Quantity 80.0 ng Lane 8 Band 2 Quantity 120.0 ng Quantity regression method: Linear Regression equation: y = 7.91E-06 * x + 22 R-squared value: R^2 = 0.742099

Lane Statistics

Lane No.	Adj. Total Band Vol. (Int)	Total Band Vol. (Int)	Adj. Total Lane Vol. (Int)	Total Lane Vol. (Int)	Bkgd. Vol. (Int)	Norm. Factor
1	22.524.414	31.408.568	24.726.541	38.641.481	13.914.940	N/A
2	2.507	137.231	15.463.830	27.139.910	11.676.080	N/A
3	366.785	807.254	19.394.588	32.119.248	12.724.660	N/A
4	462.923	877.123	23.987.957	37.449.457	13.461.500	N/A
5	665.772	1.284.456	35.167.869	49.791.309	14.623.440	N/A
6	896.525	2.253.575	28.346.867	42.460.187	14.113.320	N/A
7	17.393.566	18.589.950	23.694.311	33.414.931	9.720.620	N/A
8	16.633.836	17.828.476	21.000.049	28.765.209	7.765.160	N/A

Lane And Band Analysis

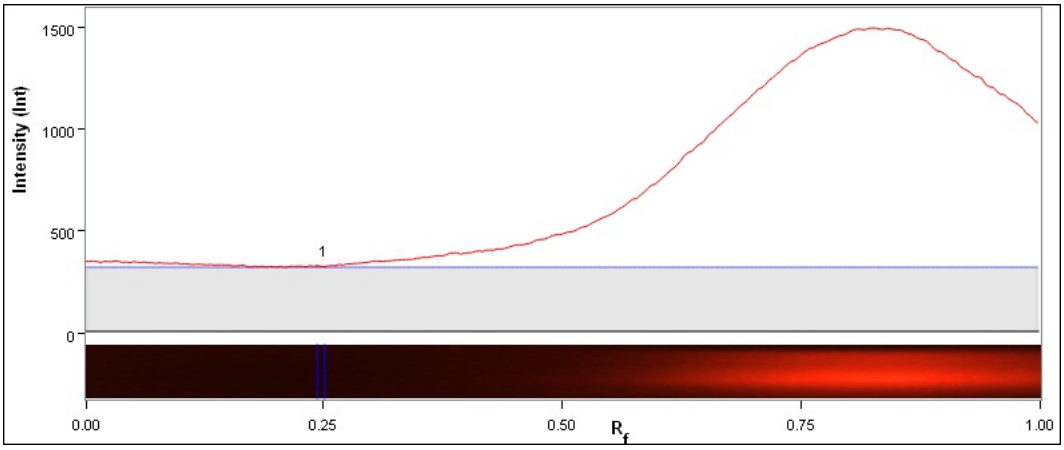
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,077	533.773	961.925	20,0	N/A	2,4	2,2
2		N/A	0,135	1.007.160	1.542.350	20,0	N/A	4,5	4,1
3		N/A	0,181	1.179.598	1.768.307	20,0	N/A	5,2	4,8
4		N/A	0,235	4.111.916	4.914.701	75,0	N/A	18,3	16,6
5		N/A	0,265	757.659	1.132.292	20,0	N/A	3,4	3,1
6		N/A	0,319	999.966	1.588.675	20,0	N/A	4,4	4,0
7		N/A	0,412	1.016.861	1.605.570	20,0	N/A	4,5	4,1
8		N/A	0,488	4.006.840	4.863.144	80,0	N/A	17,8	16,2
9		N/A	0,588	1.201.180	1.843.408	25,0	N/A	5,3	4,9
10		N/A	0,677	1.251.320	1.947.067	25,0	N/A	5,6	5,1
11		N/A	0,758	3.305.534	3.947.762	75,0	N/A	14,7	13,4
12		N/A	0,804	983.616	1.518.806	20,0	N/A	4,4	4,0
13		N/A	0,862	1.187.228	2.043.532	20,0	N/A	5,3	4,8
14		N/A	0,935	981.763	1.731.029	20,0	N/A	4,4	4,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

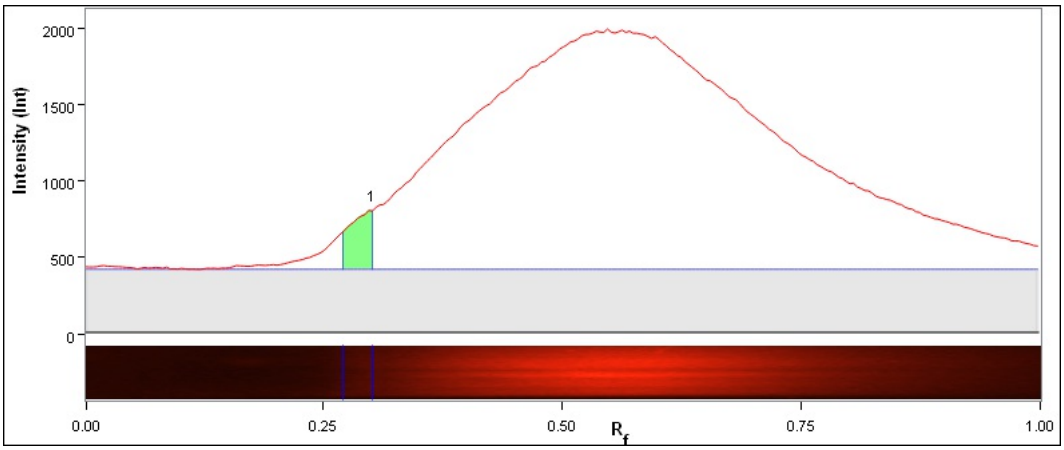
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,253	2.507	137.231	5,0	N/A	100,0	0,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

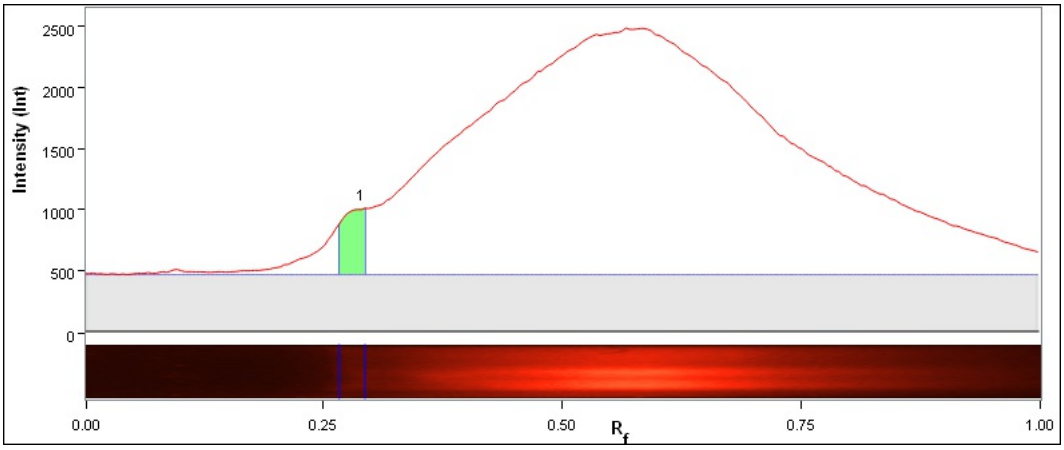
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,303	366.785	807.254	24,9	N/A	100,0	1,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

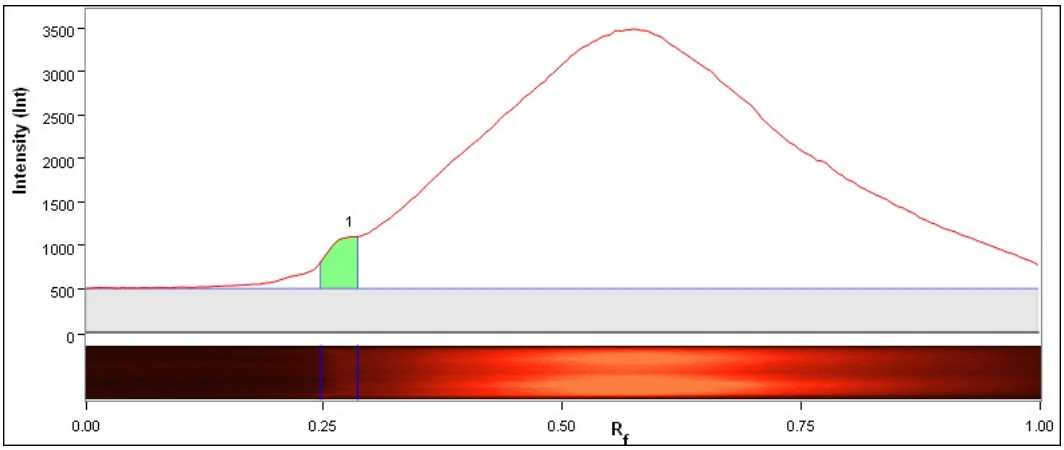
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,292	462.923	877.123	25,6	N/A	100,0	1,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

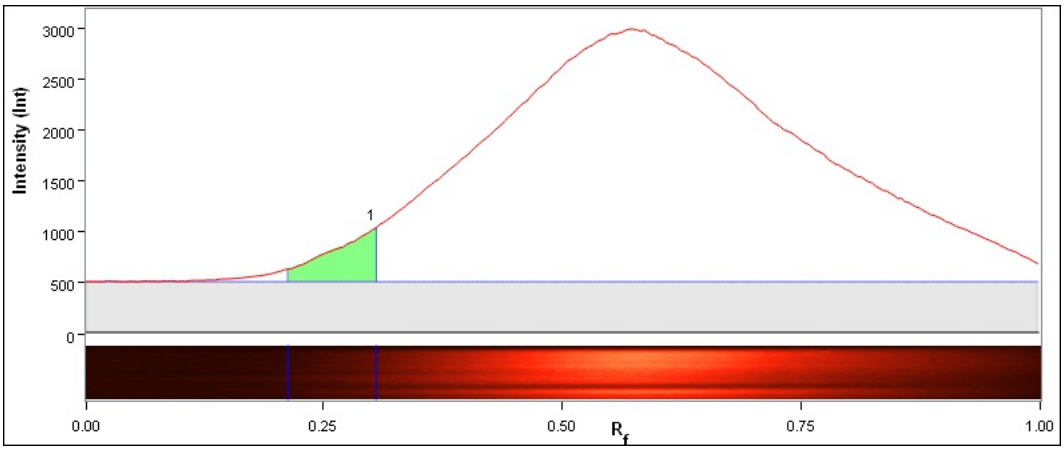
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,281	665.772	1.284.456	27,2	N/A	100,0	1,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

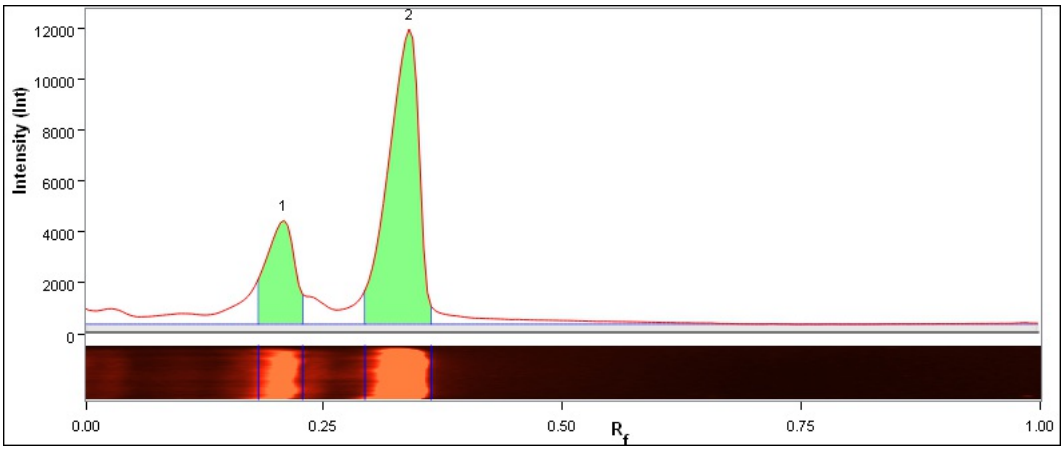
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,304	896.525	2.253.575	29,1	N/A	100,0	3,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

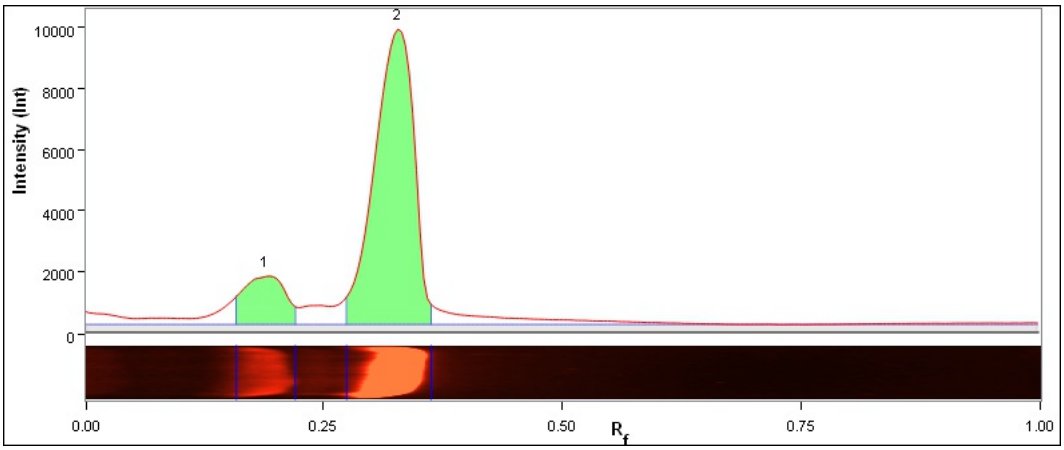
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,212	4.249.365	4.735.396	90,0	N/A	24,4	17,9
2		N/A	0,342	13.144.201	13.854.554	110,0	N/A	75,6	55,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,192	2.409.118	2.886.974	80,0	N/A	14,5	11,5
2		N/A	0,331	14.224.718	14.941.502	120,0	N/A	85,5	67,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm