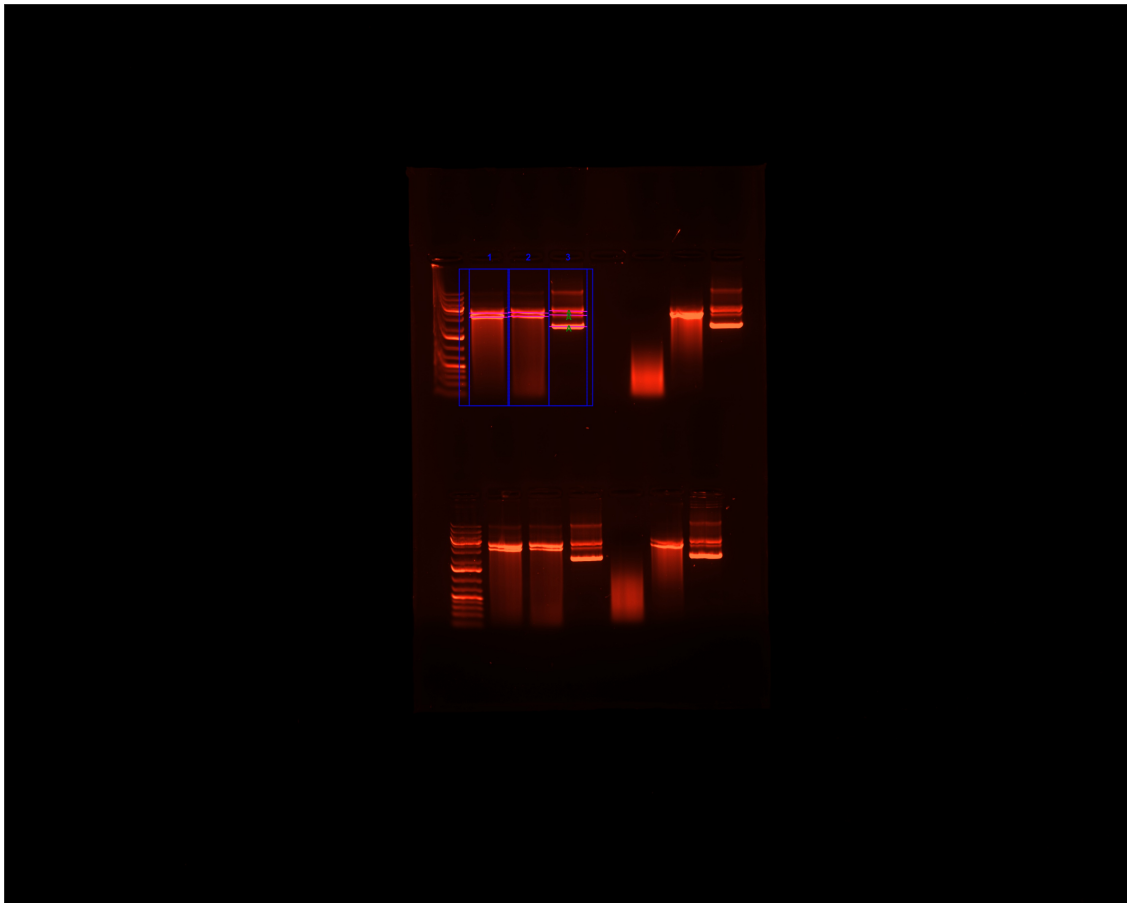
Image Report: Lab Molecolare 2021-01-27 16h38m27s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\1L2 peg-NHS with-wo actin.ChemiDoc Images 2021-01-27_16.38.36\Lab Molecolare 2021-01-27 16h38m27s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.493 (Optimal Auto-exposure)
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	27/01/2021 4:38:27
User Name	Lab Molecolare
Image Area (mm)	X: 210.0 Y: 168.0
Pixel Size (µm)	X: 76.4 Y: 76.4
Data Range (Int)	5 - 65535

Analysis Settings

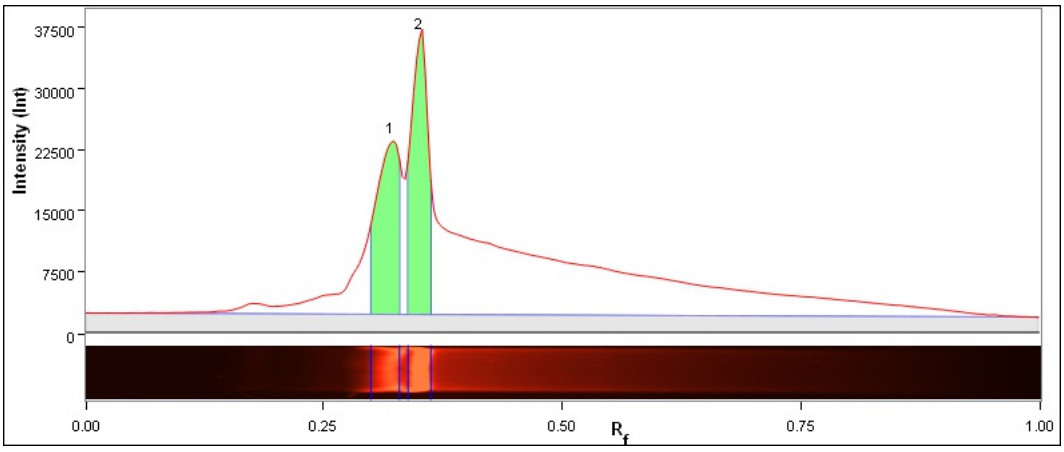
Detection	Lane detection: Manually created lanes Band detection: Bands detected with different sensitivity per lane Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: Variable
Quantity Analysis	Quantity Standard Bands: Lane 3 Band 1 Quantity 20.0 ng Lane 3 Band 2 Quantity 10.0 ng Lane 3 Band 3 Quantity 170.0 ng Quantity regression method: Linear Regression equation: y = 4.49E-06 * x - 53.4 R-squared value: R^2 = 0.953815

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	49.115.738	54.118.540	161.210.686	241.846.066	80.635.380	N/A
2	41.236.700	47.157.400	143.489.800	230.738.400	87.248.600	N/A
3	80.287.086	91.603.047	121.894.356	204.155.646	82.261.290	N/A

Lane And Band Analysis

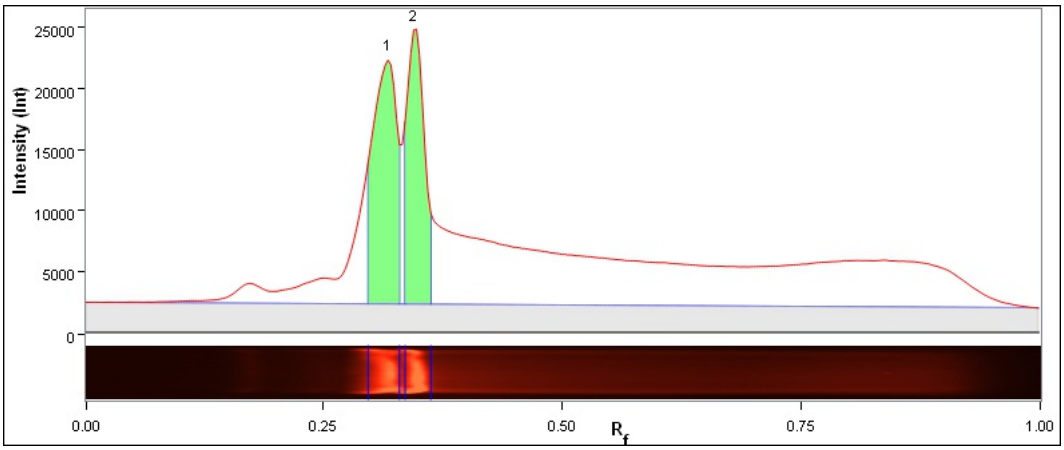
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,322	22.753.150	25.514.790	48,7	N/A	46,3	14,1
2		N/A	0,352	26.362.588	28.603.750	64,9	N/A	53,7	16,4

Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.48 mm

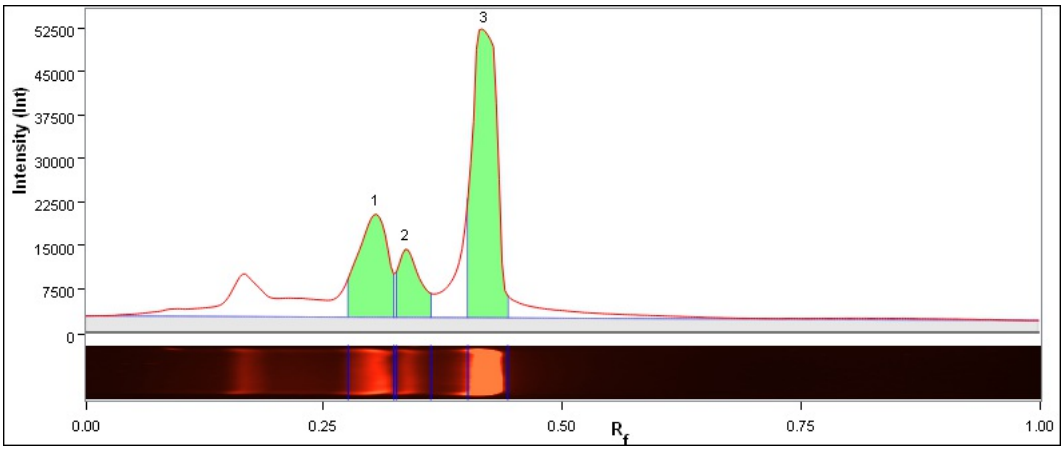
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,319	23.074.300	26.313.900	50,1	N/A	56,0	16,1
2		N/A	0,346	18.162.400	20.843.500	28,1	N/A	44,0	12,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.64 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	0,307	21.160.848	25.347.057	20,0	N/A	26,4	17,4
2		N/A	0,337	10.658.637	14.014.356	10,0	N/A	13,3	8,7
3		N/A	0,421	48.467.601	52.241.634	170,0	N/A	60,4	39,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.10 mm