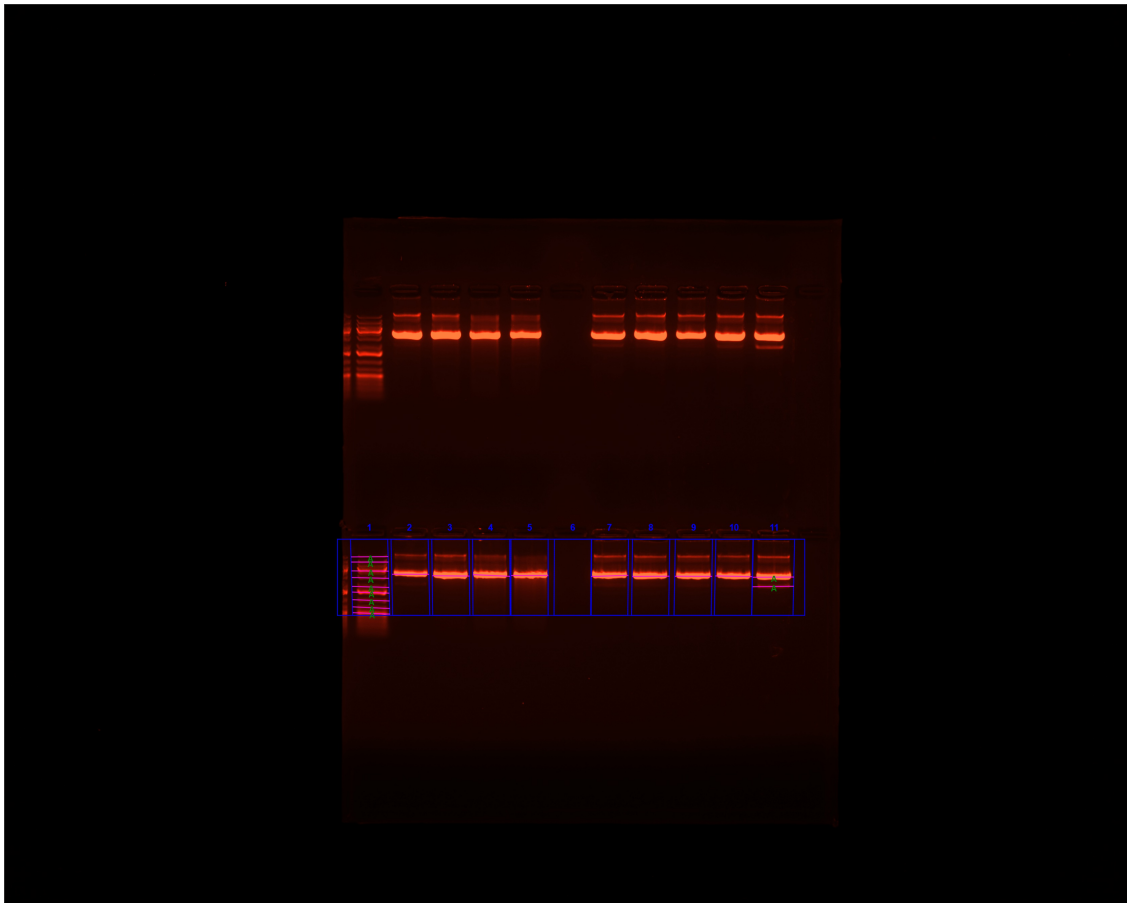
Image Report: Lab Molecolare 2021-01-07 12h56m37s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\Mg e Ca only.ChemiDoc Images 2021-01-07_12.57.03\Lab Molecolare 2021-01-07 12h56m37s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.210 (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	07/01/2021 12:56:36
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)	10 - 65535

Analysis Settings

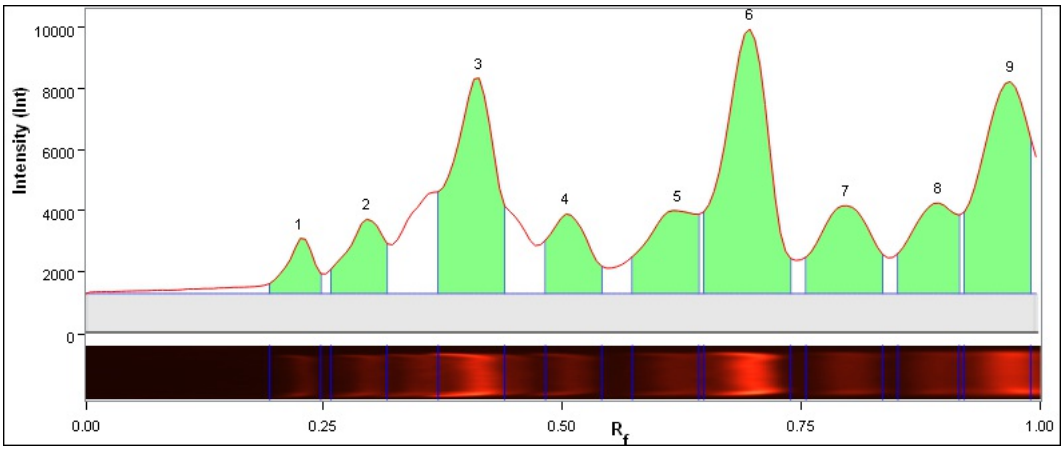
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: Variable
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 20.0 ng Lane 1 Band 2 Quantity 20.0 ng Lane 1 Band 3 Quantity 75.0 ng Lane 1 Band 4 Quantity 25.0 ng Lane 1 Band 5 Quantity 25.0 ng Lane 1 Band 6 Quantity 80.0 ng Lane 1 Band 7 Quantity 25.0 ng Lane 1 Band 8 Quantity 25.0 ng Lane 1 Band 9 Quantity 75.0 ng Lane 11 Band 1 Quantity 180.0 ng Lane 11 Band 2 Quantity 20.0 ng Quantity regression method: Linear Regression equation: y = 4.77E-06 * x + 17.6 R-squared value: R^2 = 0.916555

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	39.067.392	54.905.487	45.036.628	69.115.683	24.079.055	N/A
2	18.184.530	20.207.642	34.783.112	61.806.108	27.022.996	N/A
3	31.982.951	34.092.695	56.335.825	84.515.977	28.180.152	N/A
4	28.004.795	30.525.950	49.685.636	81.116.035	31.430.399	N/A
5	24.784.851	27.476.995	45.120.985	76.585.418	31.464.433	N/A
6	N/A	N/A	4.339.062	29.490.188	25.151.126	N/A
7	28.260.596	30.221.282	51.268.217	77.457.380	26.189.163	N/A
8	25.871.482	27.819.428	47.513.830	73.532.823	26.018.993	N/A
9	25.646.621	27.425.853	48.397.713	73.991.281	25.593.568	N/A
10	21.902.608	23.777.936	42.434.301	67.483.325	25.049.024	N/A
11	39.817.836	46.371.726	53.768.259	81.003.313	27.235.054	N/A

Lane And Band Analysis

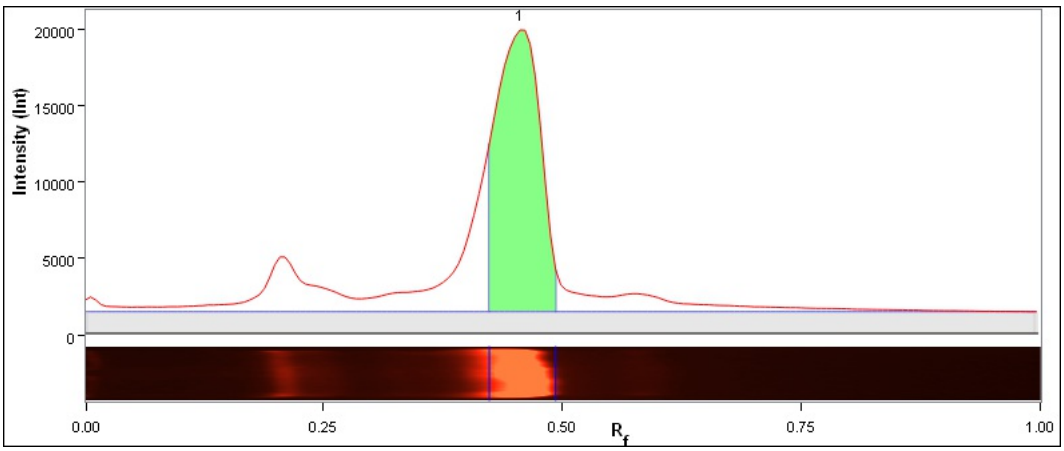
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,230	1.172.899	2.589.314	20,0	N/A	3,0	2,6
2		N/A	0,299	2.113.475	3.658.655	20,0	N/A	5,4	4,7
3		N/A	0,417	6.972.511	8.775.221	75,0	N/A	17,8	15,5
4		N/A	0,508	2.369.276	3.914.456	25,0	N/A	6,1	5,3
5		N/A	0,626	3.074.071	4.748.016	25,0	N/A	7,9	6,8
6		N/A	0,701	9.141.860	11.459.630	80,0	N/A	23,4	20,3
7		N/A	0,802	3.506.503	5.566.743	25,0	N/A	9,0	7,8
8		N/A	0,898	3.191.825	4.865.770	25,0	N/A	8,2	7,1
9		N/A	0,973	7.524.972	9.327.682	75,0	N/A	19,3	16,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

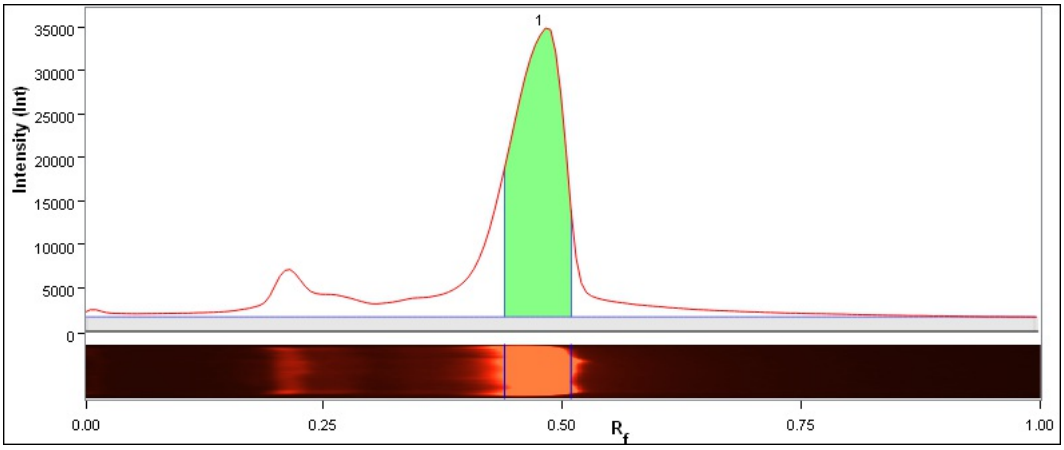
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,460	18.184.530	20.207.642	104,3	N/A	100,0	52,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

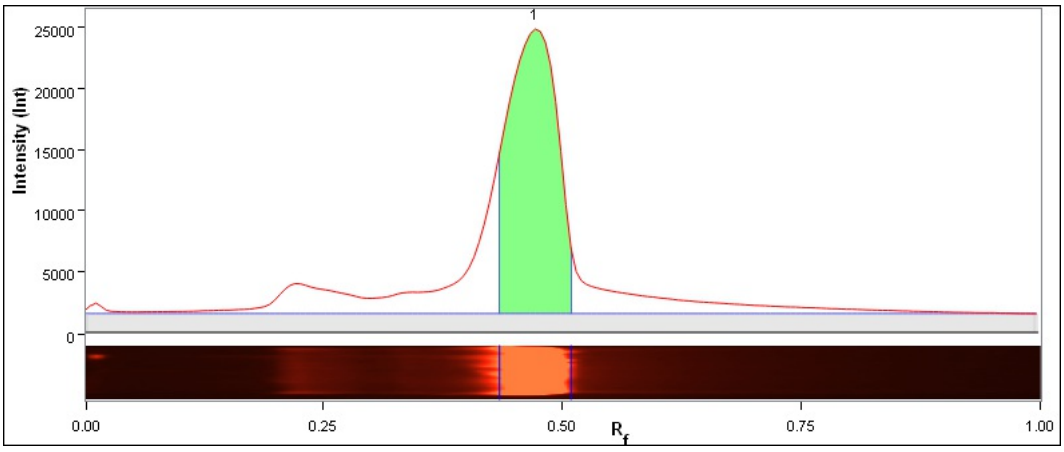
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,481	31.982.951	34.092.695	170,1	N/A	100,0	56,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

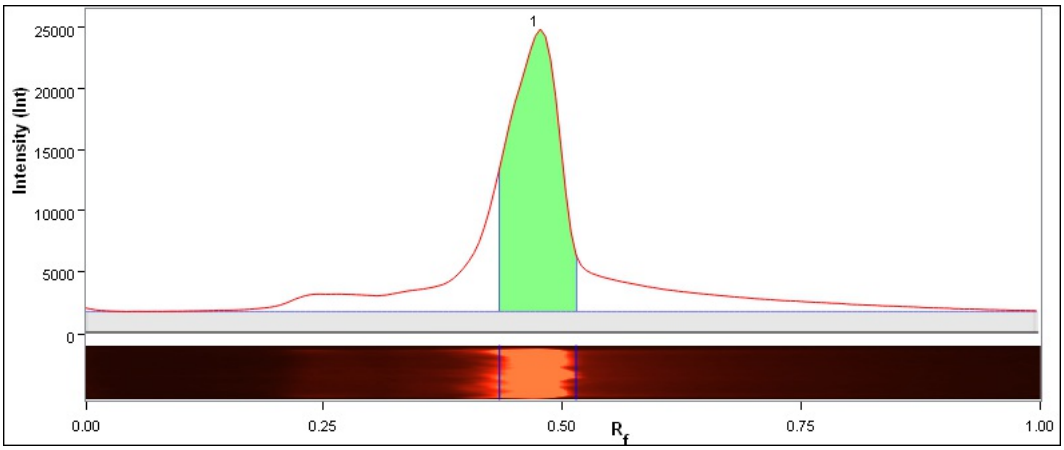
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,476	28.004.795	30.525.950	151,1	N/A	100,0	56,4

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

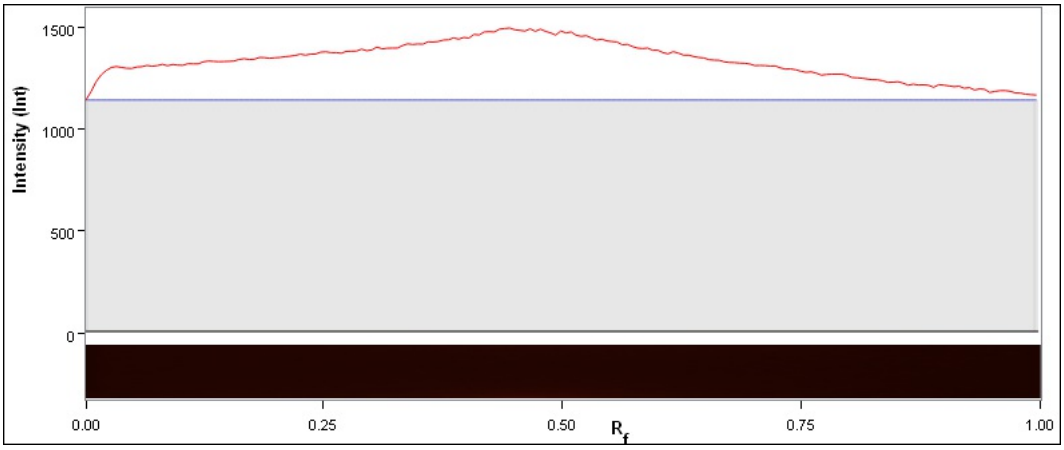
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,476	24.784.851	27.476.995	135,8	N/A	100,0	54,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

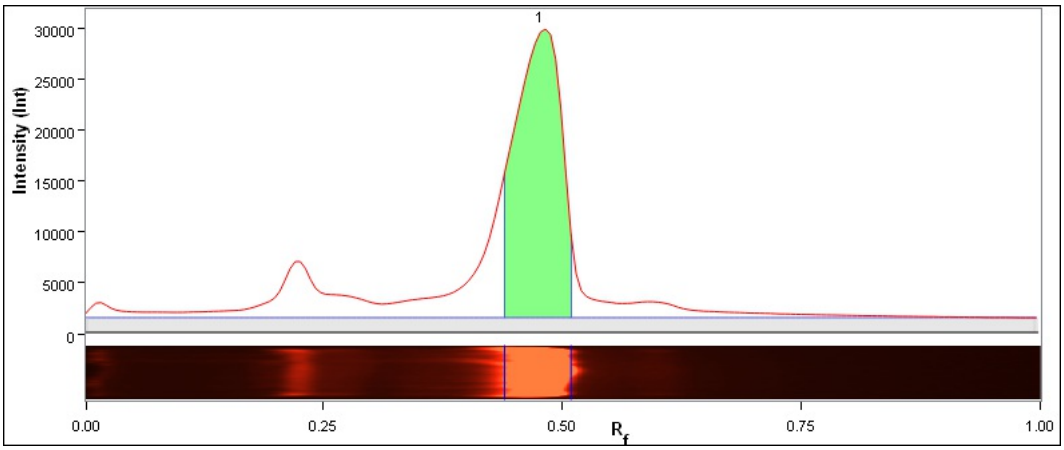
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

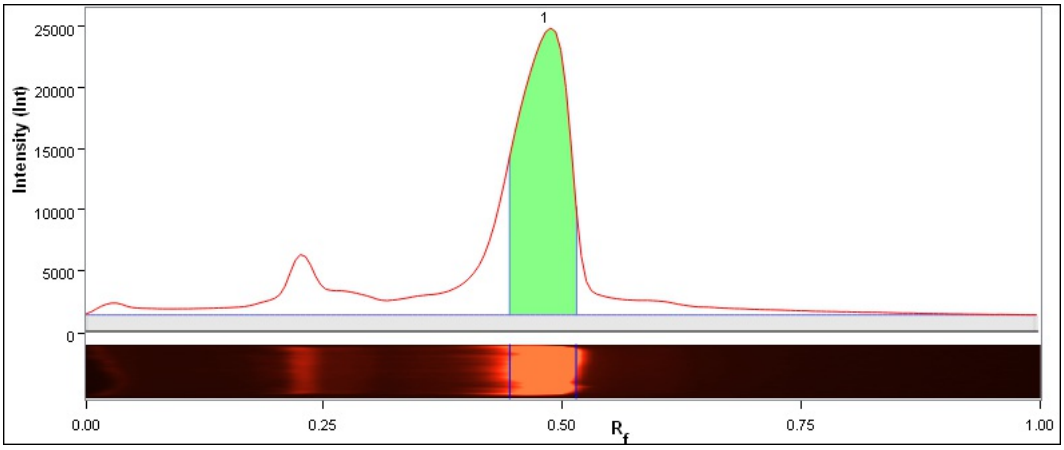
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,481	28.260.596	30.221.282	152,3	N/A	100,0	55,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

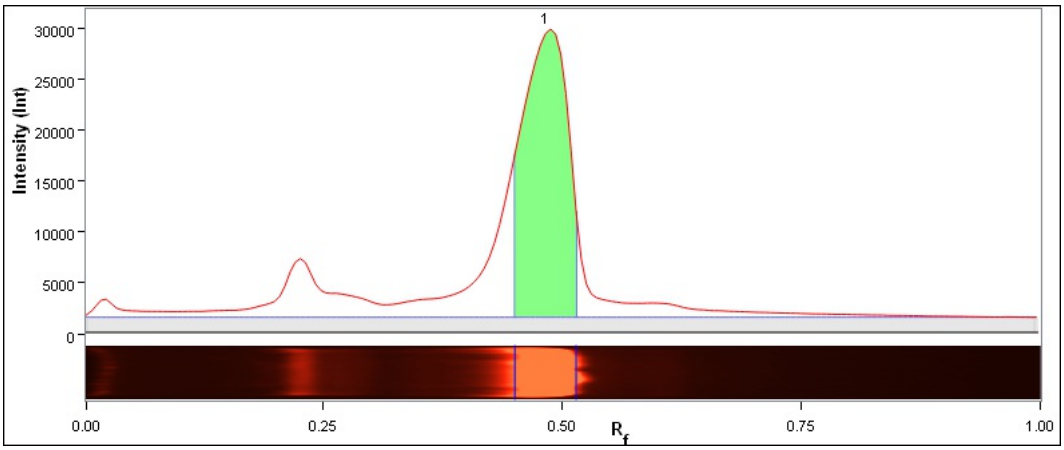
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,487	25.871.482	27.819.428	140,9	N/A	100,0	54,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

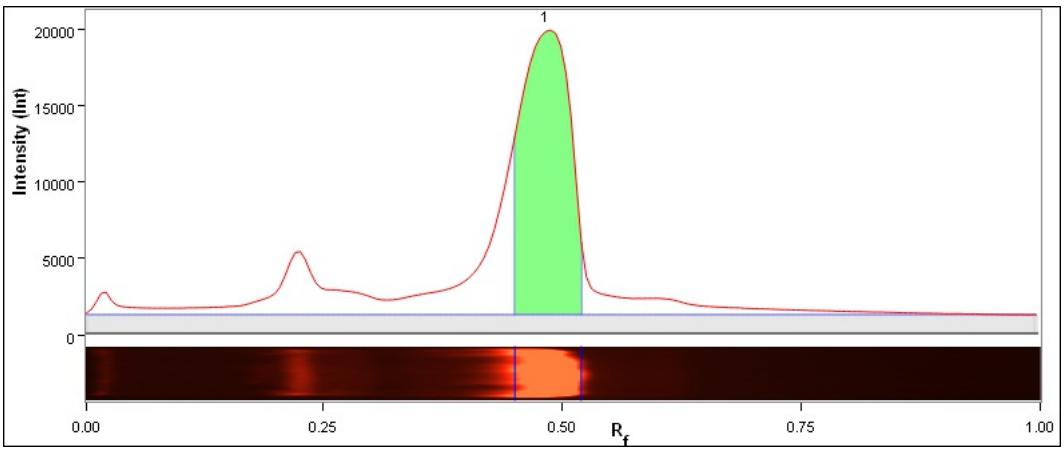
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,487	25.646.621	27.425.853	139,9	N/A	100,0	53,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

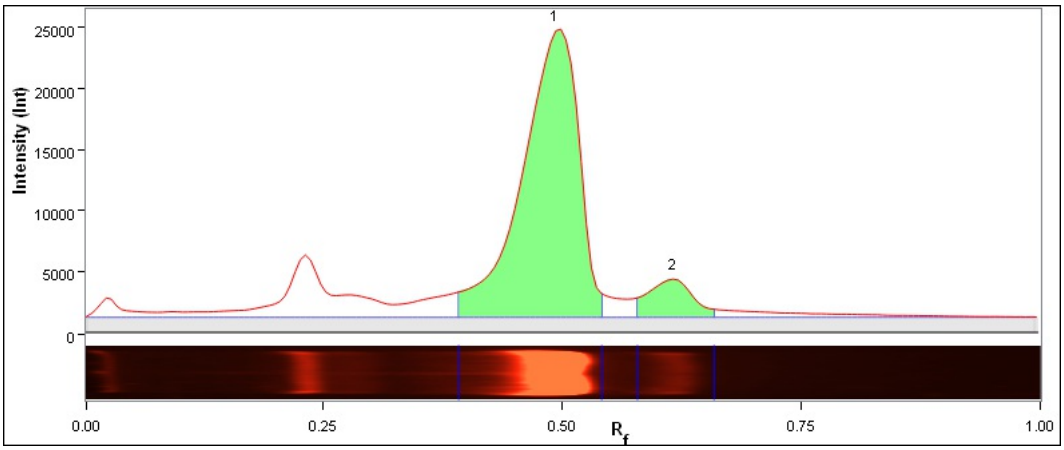
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,487	21.902.608	23.777.936	122,0	N/A	100,0	51,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,497	36.003.369	40.226.987	180,0	N/A	90,4	67,0
2		N/A	0,620	3.814.467	6.144.739	20,0	N/A	9,6	7,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.71 mm