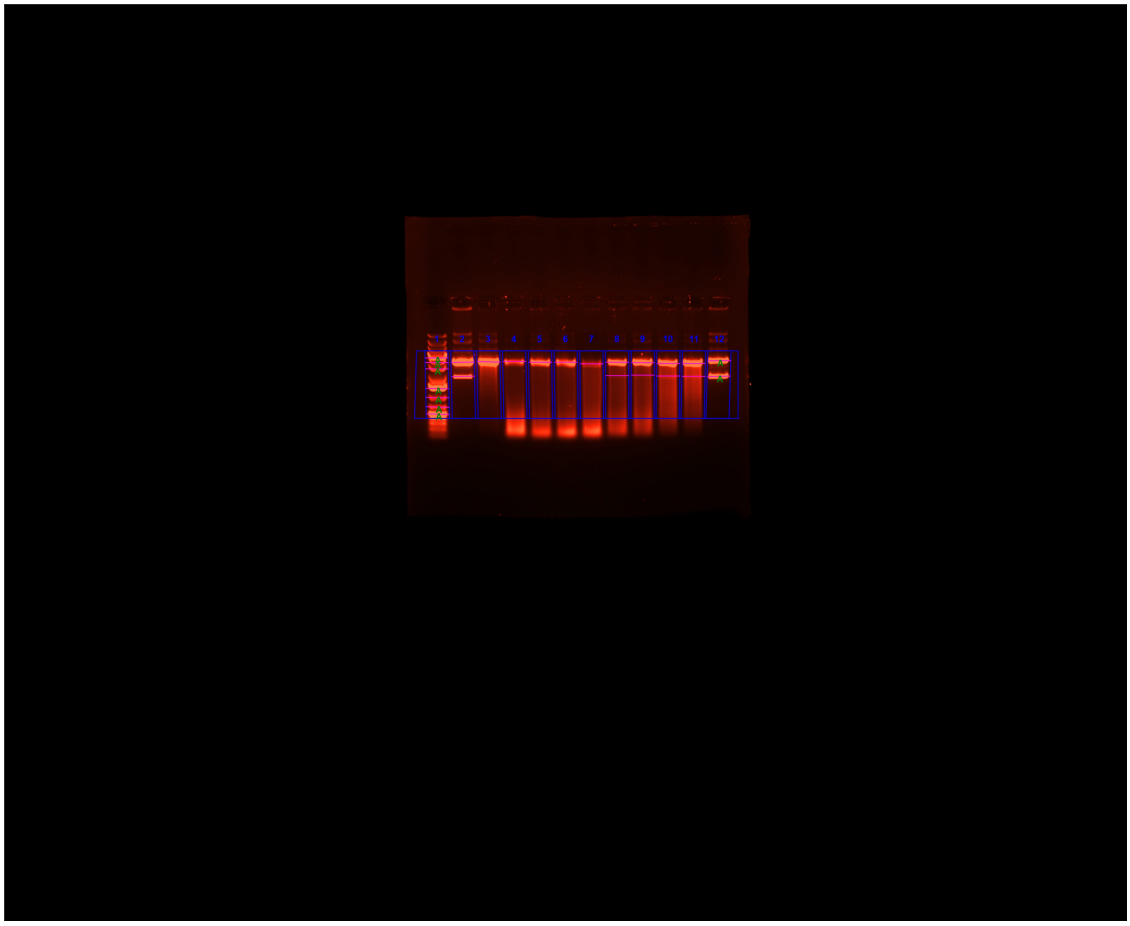
Image Report: Lab Molecolare 2020-12-21 12h02m13s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\pH new triplicato. ChemiDoc Images 2020-12-21_12.02.42\Lab Molecolare 2020-12-21 12h02m13s.scn

Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.634 (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	21/12/2020 12:02:12
User Name	Lab Molecolare
Image Area (mm)	X: 218.1 Y: 178.2
Pixel Size (µm)	X: 76.4 Y: 76.4

Data Range (Int)	0 - 65535

Analysis Settings

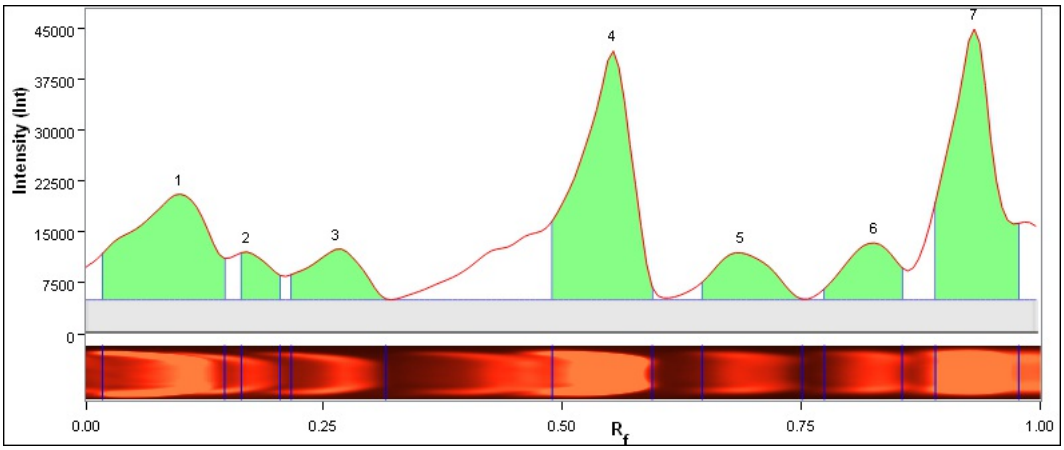
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: 4.51 mm
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 75.0 Lane 1 Band 2 Quantity 20.0 Lane 1 Band 3 Quantity 20.0 Lane 1 Band 4 Quantity 85.0 Lane 1 Band 5 Quantity 25.0 Lane 1 Band 6 Quantity 25.0 Lane 1 Band 7 Quantity 75.0 Lane 12 Band 1 Quantity 110.0 Lane 12 Band 2 Quantity 90.0 Quantity regression method: Linear Regression equation: y = 3.01E-06 * x + 9.27 R-squared value: R^2 = 0.963688

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	85.723.165	122.043.565	104.925.954	159.725.154	54.799.200	N/A
2	58.597.207	63.129.292	80.818.967	109.690.027	28.871.060	N/A
3	47.598.427	51.319.675	75.471.207	111.029.799	35.558.592	N/A
4	8.022.053	10.455.154	31.639.989	69.684.841	38.044.852	N/A
5	11.175.662	13.315.592	34.557.480	75.453.920	40.896.440	N/A
6	12.318.492	15.263.772	34.891.125	73.859.445	38.968.320	N/A
7	7.255.407	10.295.500	42.293.088	73.051.676	30.758.588	N/A
8	21.300.239	25.050.161	51.364.810	87.197.398	35.832.588	N/A
9	30.688.673	35.430.503	60.301.304	103.227.344	42.926.040	N/A
10	26.860.163	31.612.967	70.336.201	109.263.929	38.927.728	N/A
11	35.093.790	40.154.692	74.749.283	114.316.335	39.567.052	N/A
12	60.768.466	64.285.633	77.216.191	96.730.795	19.514.604	N/A

Lane And Band Analysis

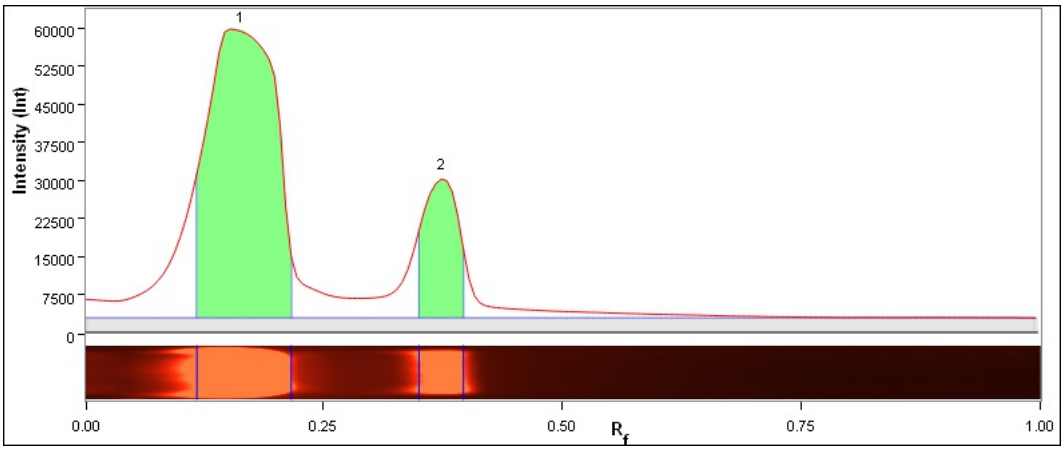
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,105	16.592.983	23.602.183	75,0	N/A	19,4	15,8
2		N/A	0,174	3.006.876	5.555.676	20,0	N/A	3,5	2,9
3		N/A	0,267	5.632.553	11.367.353	20,0	N/A	6,6	5,4
4		N/A	0,558	25.385.163	31.438.563	85,0	N/A	29,6	24,2
5		N/A	0,692	5.299.970	11.034.770	25,0	N/A	6,2	5,1
6		N/A	0,831	5.747.957	10.208.357	25,0	N/A	6,7	5,5
7		N/A	0,936	24.057.663	28.836.663	75,0	N/A	28,1	22,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

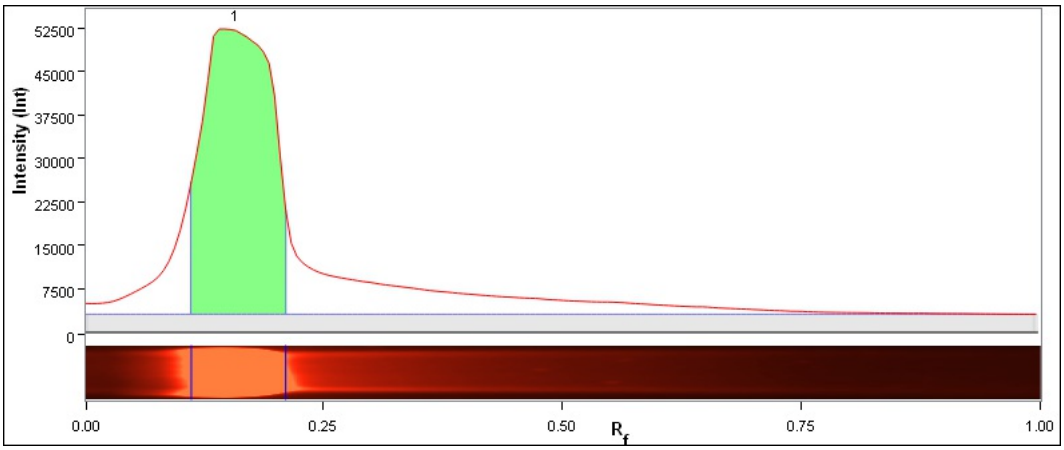
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,169	47.151.974	50.173.364	151,4	N/A	80,5	58,3
2		N/A	0,378	11.445.233	12.955.928	43,8	N/A	19,5	14,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

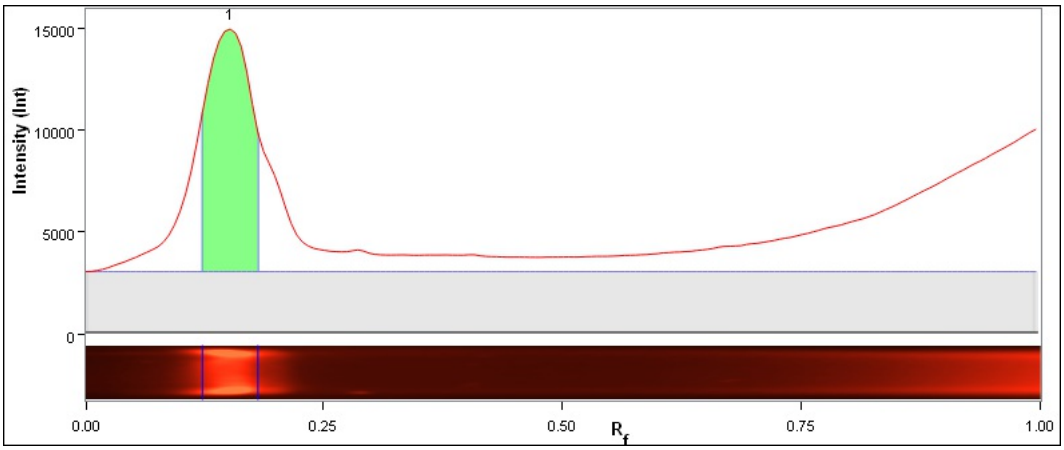
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,163	47.598.427	51.319.675	152,8	N/A	100,0	63,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

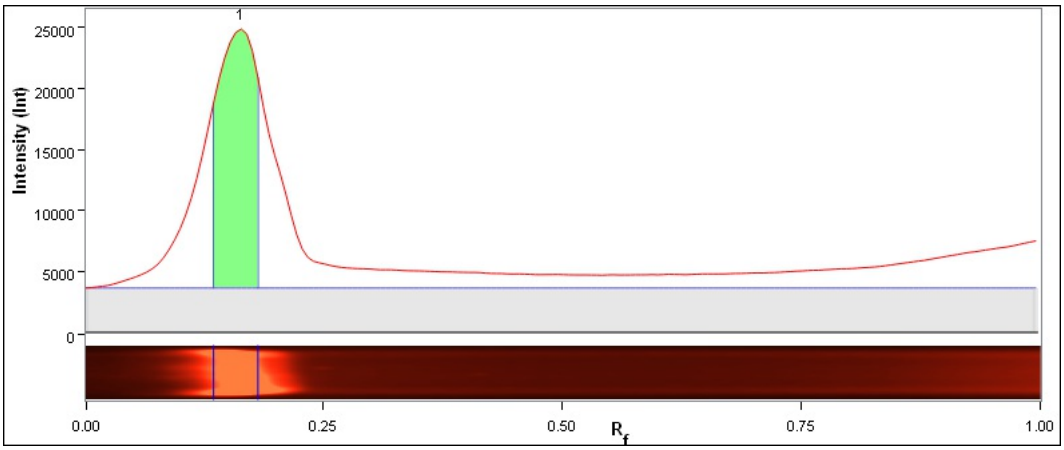
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,157	8.022.053	10.455.154	33,4	N/A	100,0	25,4

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

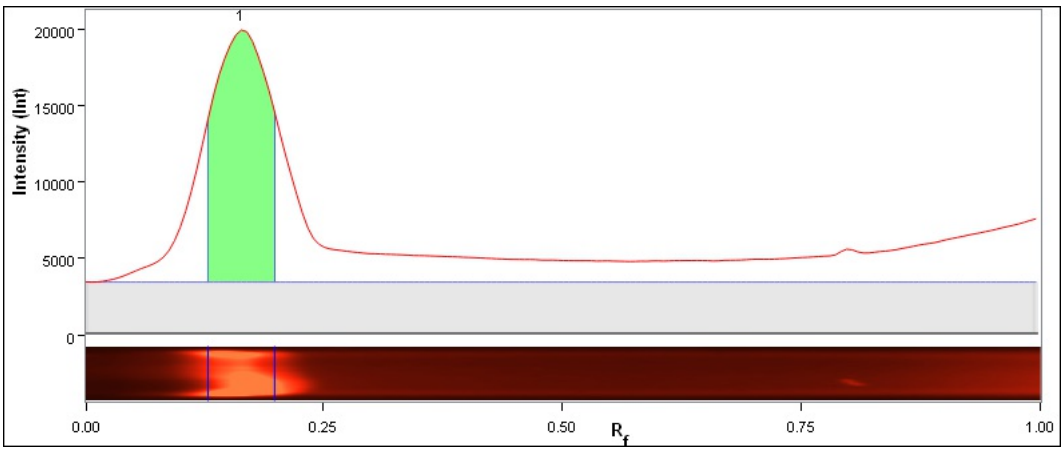
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,169	11.175.662	13.315.592	43,0	N/A	100,0	32,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

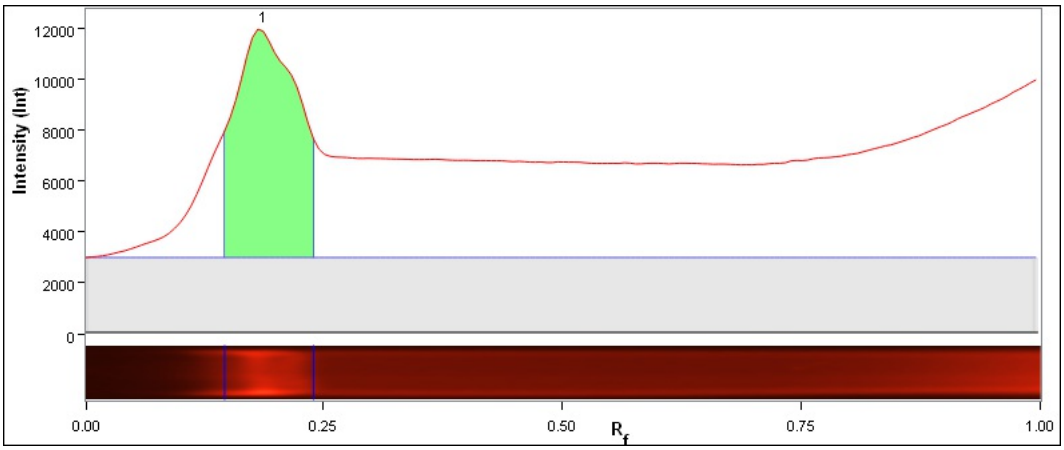
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,169	12.318.492	15.263.772	46,4	N/A	100,0	35,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

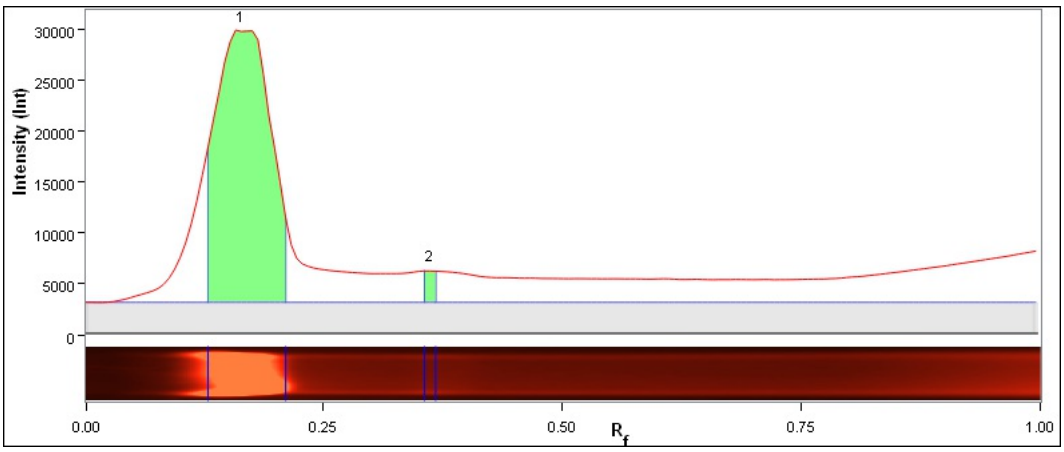
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,192	7.255.407	10.295.500	31,1	N/A	100,0	17,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

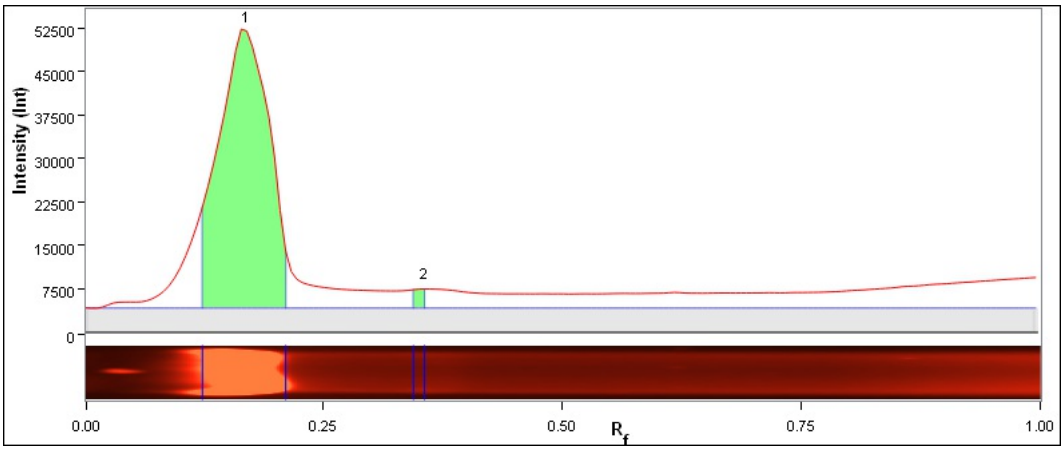
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,169	20.670.532	23.795.467	71,6	N/A	97,0	40,2
2		N/A	0,366	629.707	1.254.694	11,2	N/A	3,0	1,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

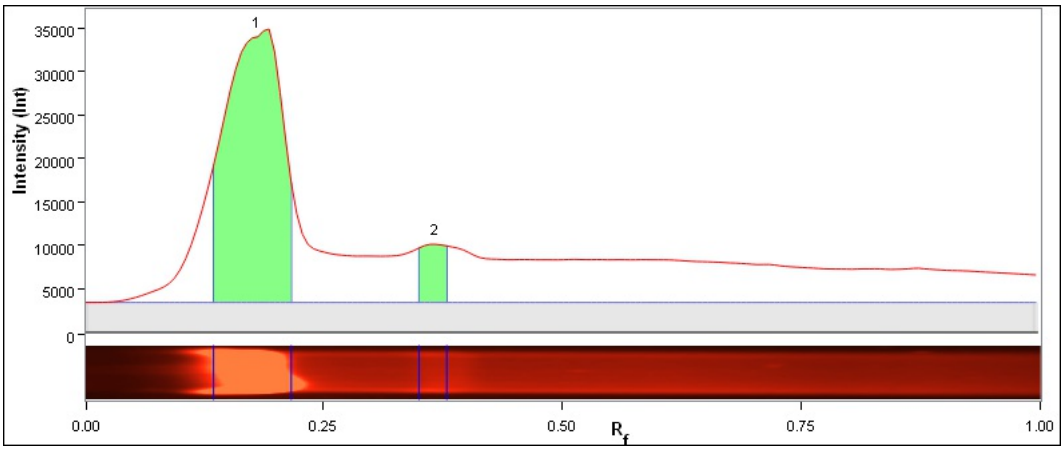
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,174	30.098.555	34.091.675	100,0	N/A	98,1	49,9
2		N/A	0,359	590.118	1.338.828	11,0	N/A	1,9	1,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

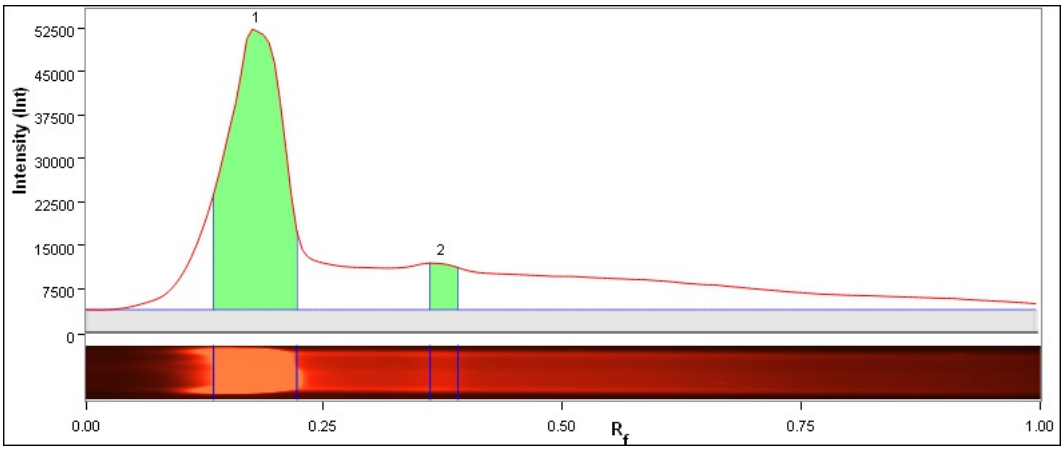
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,186	24.268.352	27.663.212	82,4	N/A	90,4	34,5
2		N/A	0,372	2.591.811	3.949.755	17,1	N/A	9,6	3,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

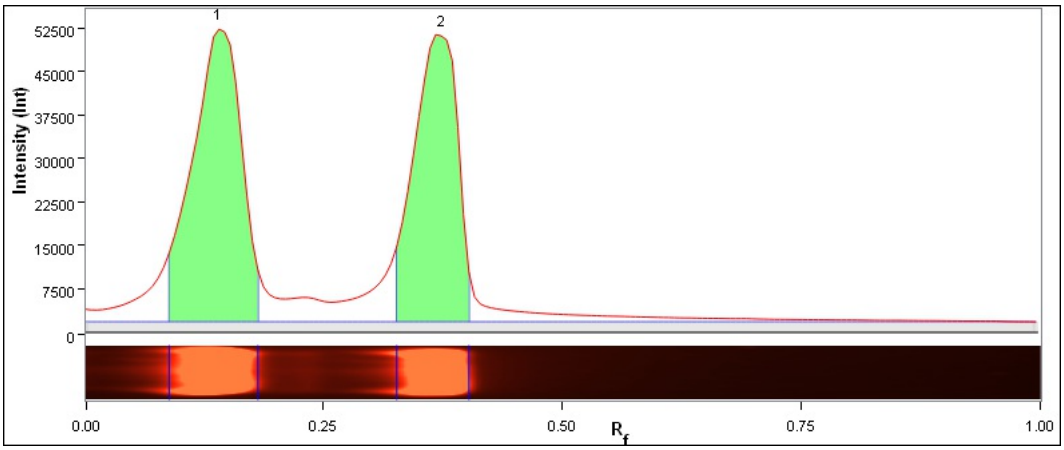
Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,186	32.384.510	36.065.166	106,9	N/A	92,3	43,3
2		N/A	0,378	2.709.280	4.089.526	17,4	N/A	7,7	3,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm

Lane 12



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,145	32.477.258	34.406.027	110,0	N/A	53,4	42,1
2		N/A	0,378	28.291.208	29.879.606	90,0	N/A	46,6	36,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	4.51 mm