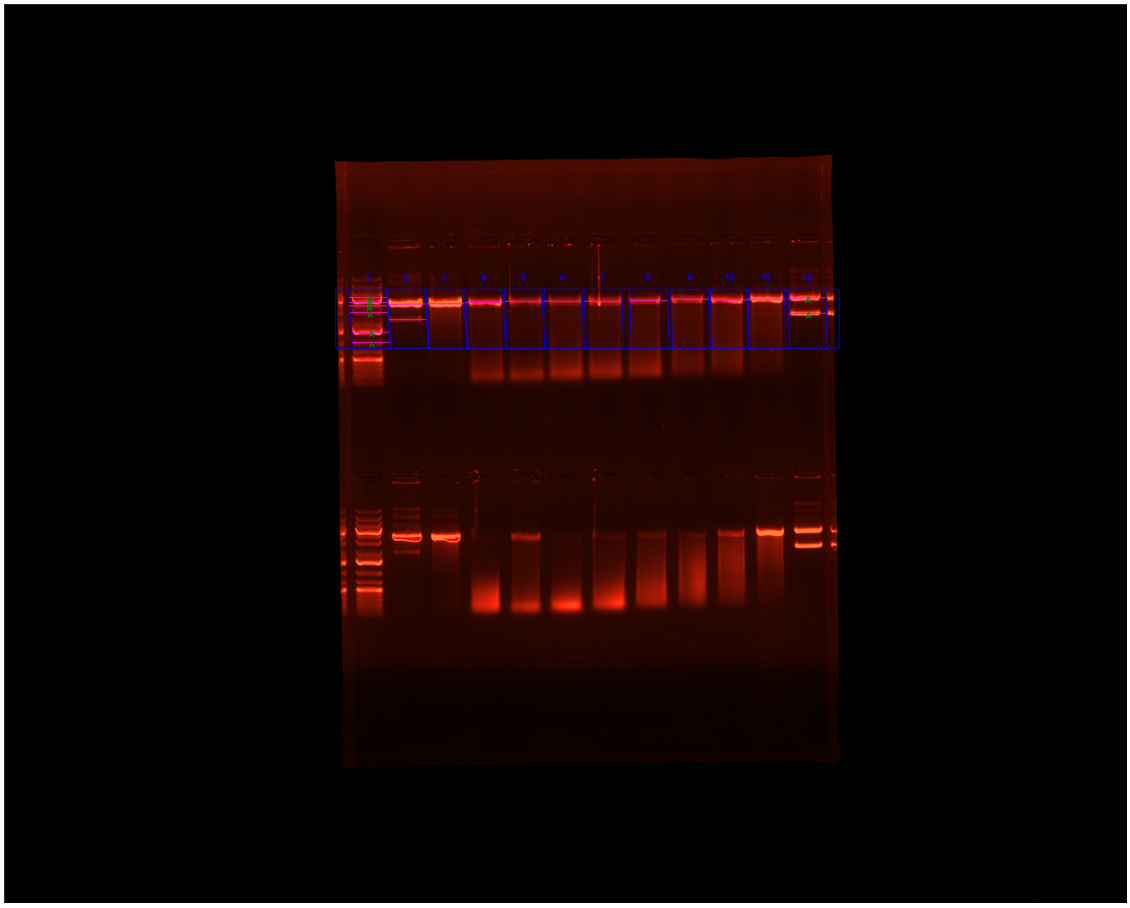
Image Report: Lab Molecolare 2020-12-21 11h22m20s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\pH new. ChemiDoc Images 2020-12-21_11.22.30\Lab Molecolare 2020-12-21 11h22m20s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.389 (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 11:22:20
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

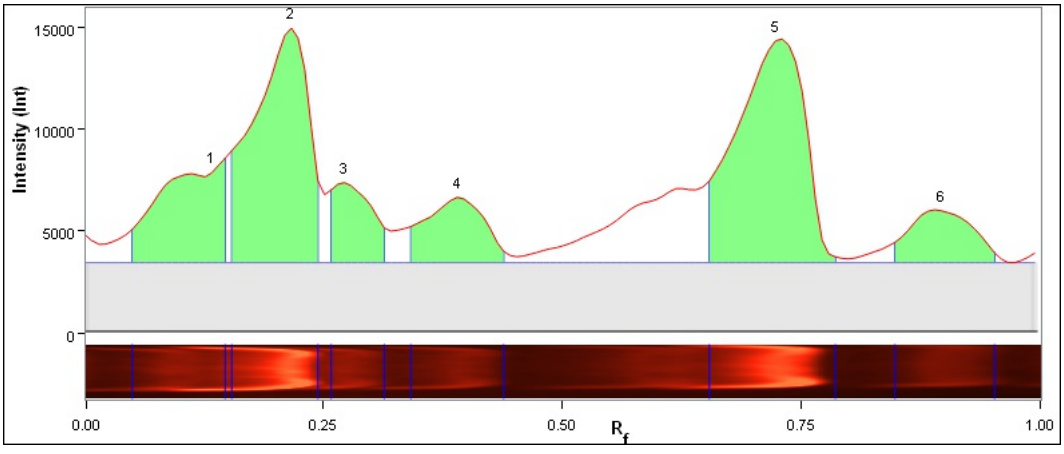
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: Low Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: 7.03 mm
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 20.0 Lane 1 Band 2 Quantity 75.0 Lane 1 Band 3 Quantity 20.0 Lane 1 Band 4 Quantity 20.0 Lane 1 Band 5 Quantity 80.0 Lane 1 Band 6 Quantity 20.0 Lane 12 Band 1 Quantity 110.0 Lane 12 Band 2 Quantity 90.0 Quantity regression method: Linear Regression equation: y = 5.5E-06 * x - 0.186 R-squared value: R^2 = 0.97681

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	42.956.548	75.348.276	52.565.028	106.802.340	54.237.312	N/A
2	35.760.216	40.490.856	60.639.960	94.700.568	34.060.608	N/A
3	30.546.760	34.693.660	59.813.800	99.624.040	39.810.240	N/A
4	15.188.648	19.476.400	27.292.904	71.395.496	44.102.592	N/A
5	8.643.400	12.822.040	17.429.492	57.544.436	40.114.944	N/A
6	9.163.292	13.634.768	25.279.484	63.155.516	37.876.032	N/A
7	14.122.368	20.931.104	24.139.788	68.706.060	44.566.272	N/A
8	10.897.308	15.656.560	26.246.036	66.559.700	40.313.664	N/A
9	11.383.252	15.921.428	29.439.908	70.283.492	40.843.584	N/A
10	16.670.768	22.008.700	37.833.528	83.048.952	45.215.424	N/A
11	20.560.988	25.526.228	39.709.868	90.780.908	51.071.040	N/A
12	36.468.800	43.573.684	49.539.792	84.819.216	35.279.424	N/A

Lane And Band Analysis

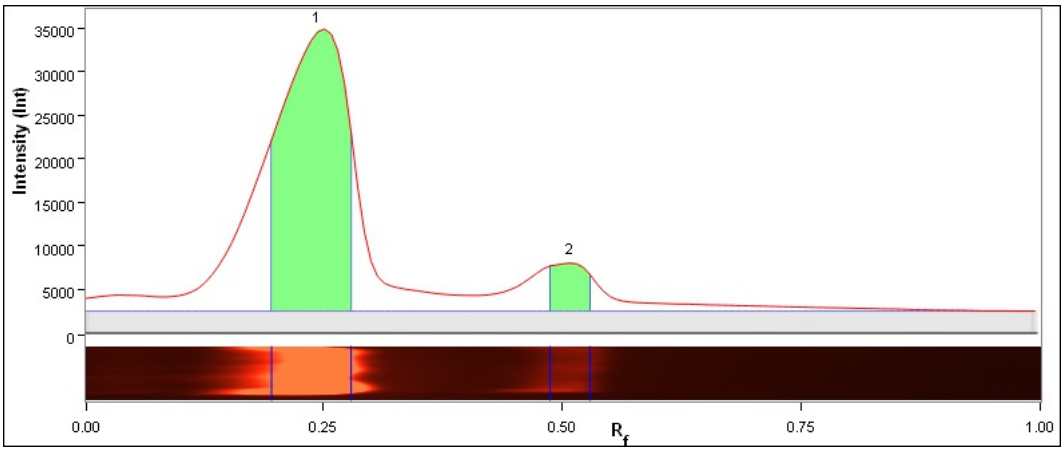
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,139	6.057.648	11.330.720	20,0	N/A	14,1	11,5
2		N/A	0,222	13.017.724	18.667.444	75,0	N/A	30,3	24,8
3		N/A	0,278	2.784.104	5.797.288	20,0	N/A	6,5	5,3
4		N/A	0,396	3.555.340	8.828.412	20,0	N/A	8,3	6,8
5		N/A	0,729	14.288.704	21.445.016	80,0	N/A	33,3	27,2
6		N/A	0,903	3.253.028	9.279.396	20,0	N/A	7,6	6,2

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

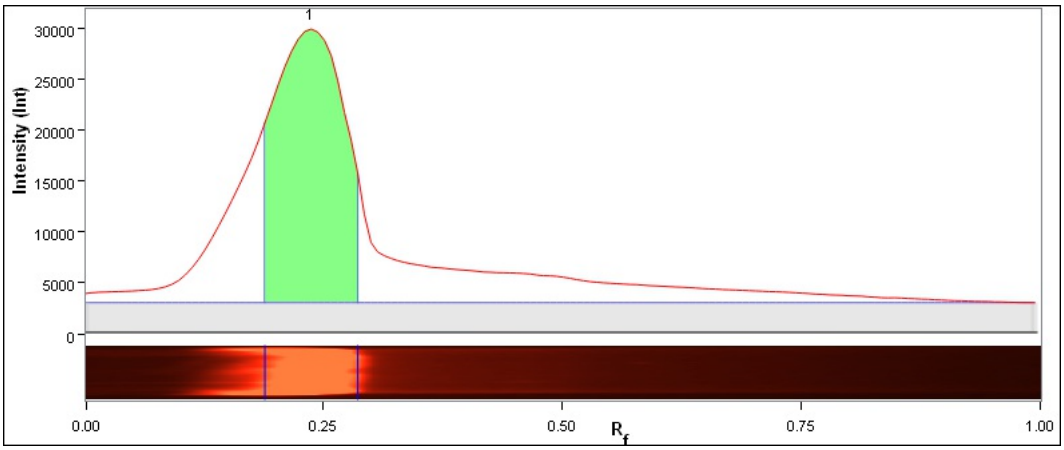
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,250	32.561.008	35.635.924	178,8	N/A	91,1	53,7
2		N/A	0,514	3.199.208	4.854.932	17,4	N/A	8,9	5,3

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

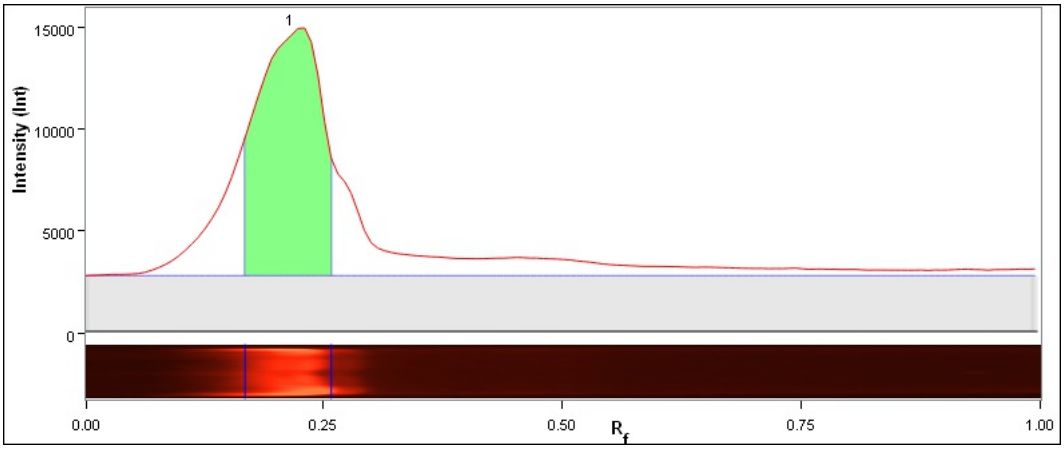
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,243	30.546.760	34.693.660	167,7	N/A	100,0	51,1

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

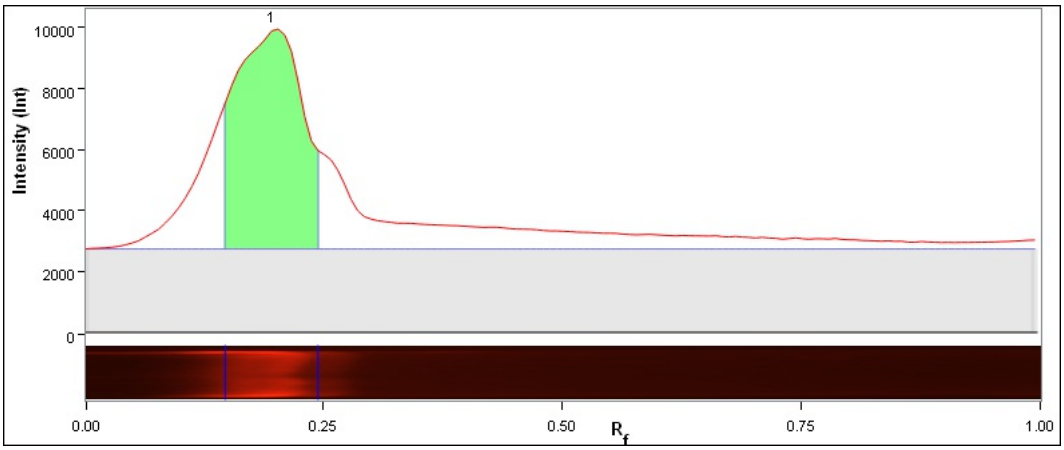
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,222	15.188.648	19.476.400	83,3	N/A	100,0	55,7

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

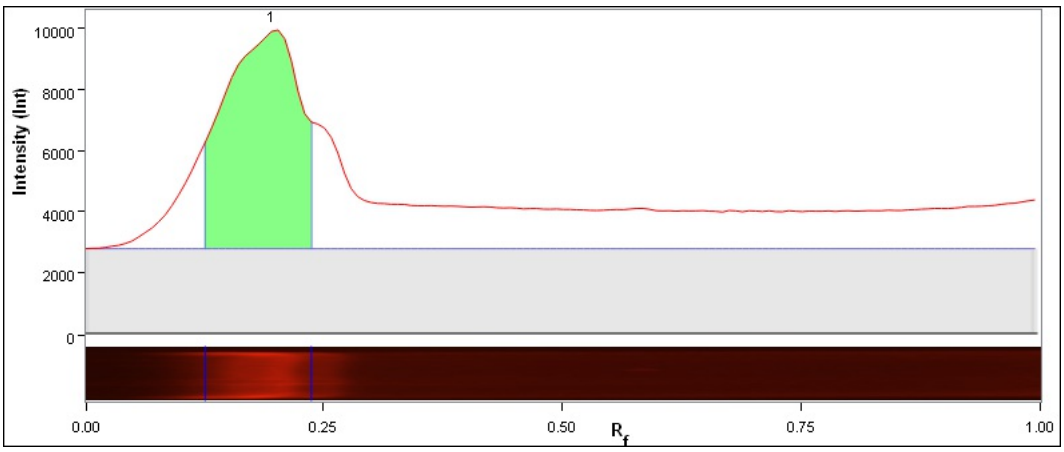
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,201	8.643.400	12.822.040	47,3	N/A	100,0	49,6

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

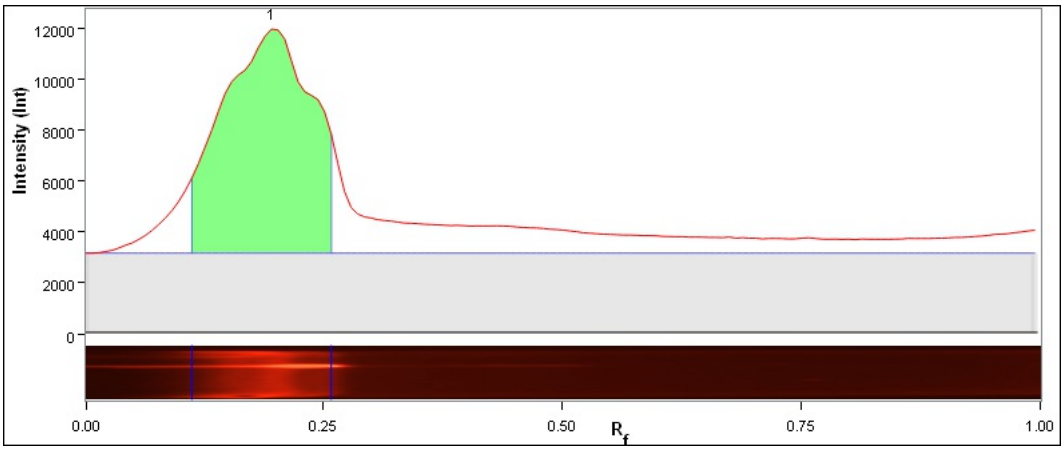
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,201	9.163.292	13.634.768	50,2	N/A	100,0	36,2

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

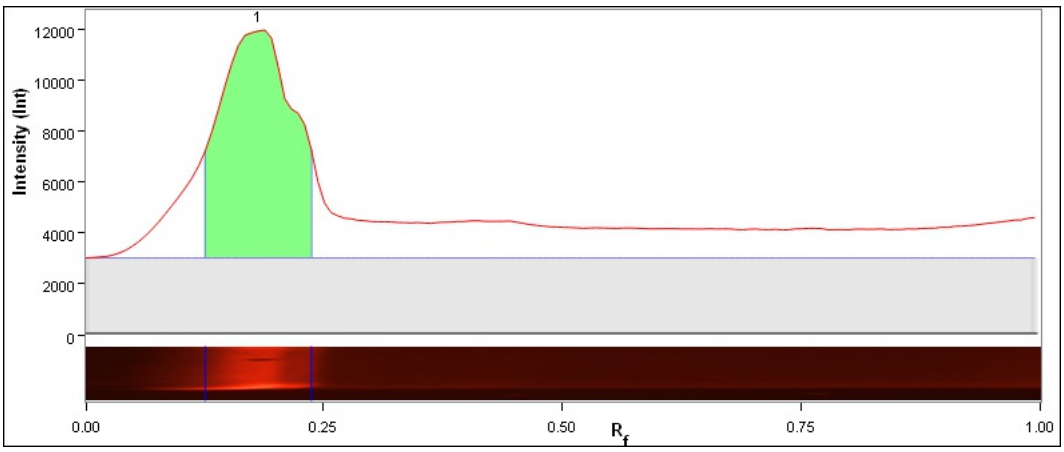
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,201	14.122.368	20.931.104	77,4	N/A	100,0	58,5

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

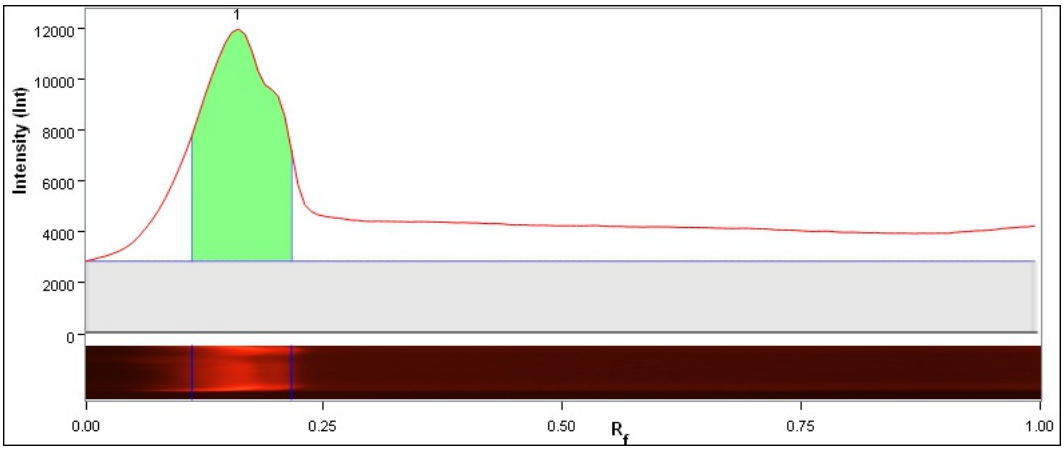
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,188	10.897.308	15.656.560	59,7	N/A	100,0	41,5

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

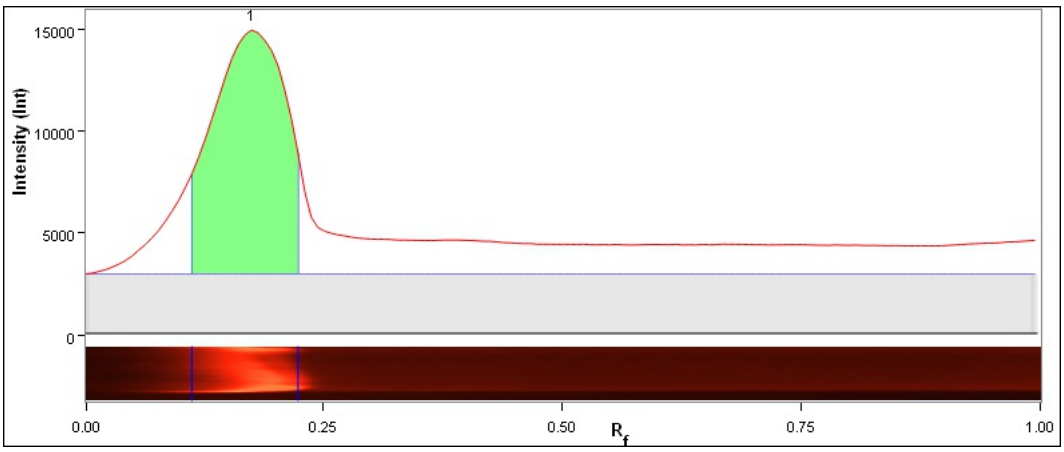
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,167	11.383.252	15.921.428	62,4	N/A	100,0	38,7

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

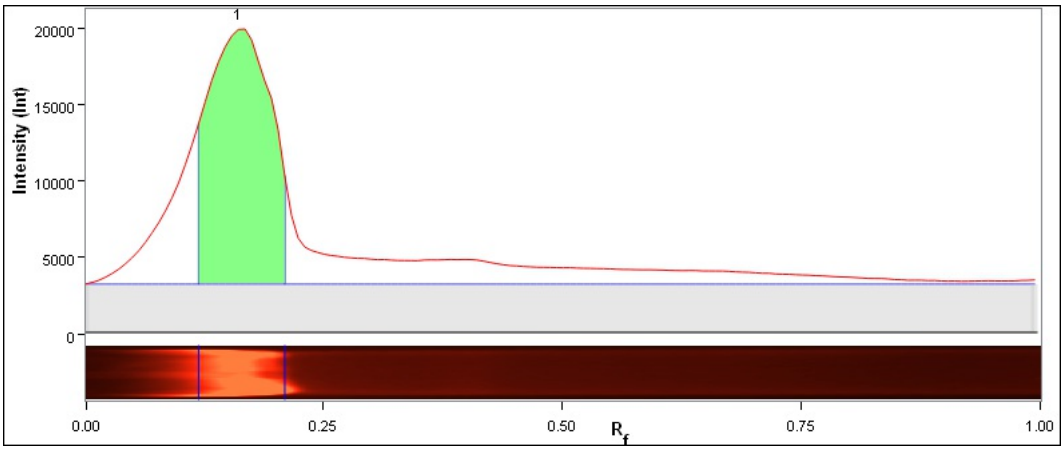
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,181	16.670.768	22.008.700	91,4	N/A	100,0	44,1

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm

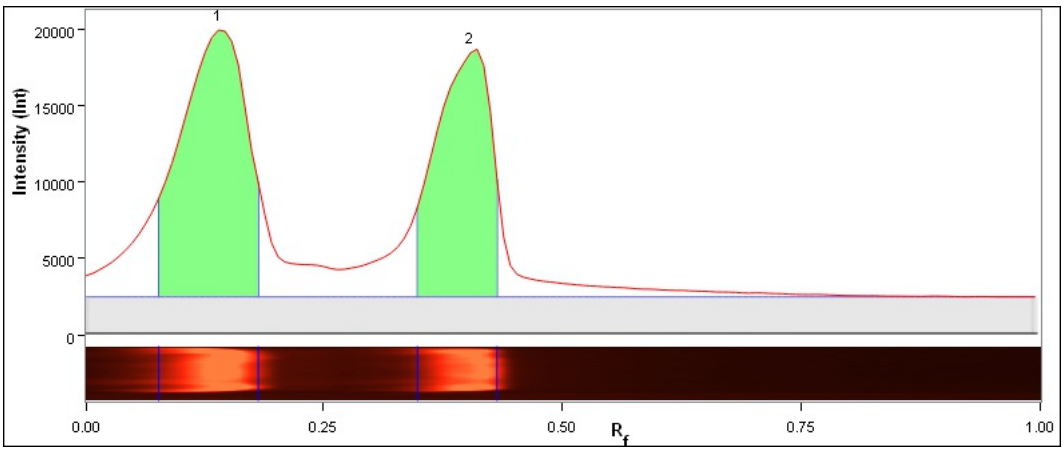
Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant.	Rel. Quant.	Band %	Lane %
1		N/A	0,167	20.560.988	25.526.228	112,8	N/A	100,0	51,8

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 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	0,146	20.607.264	24.527.200	110,0	N/A	56,5	41,6
2		N/A	0,410	15.861.536	19.046.484	90,0	N/A	43,5	32,0

Band Detection	Automatically detected bands with sensitivity: Low
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.03 mm