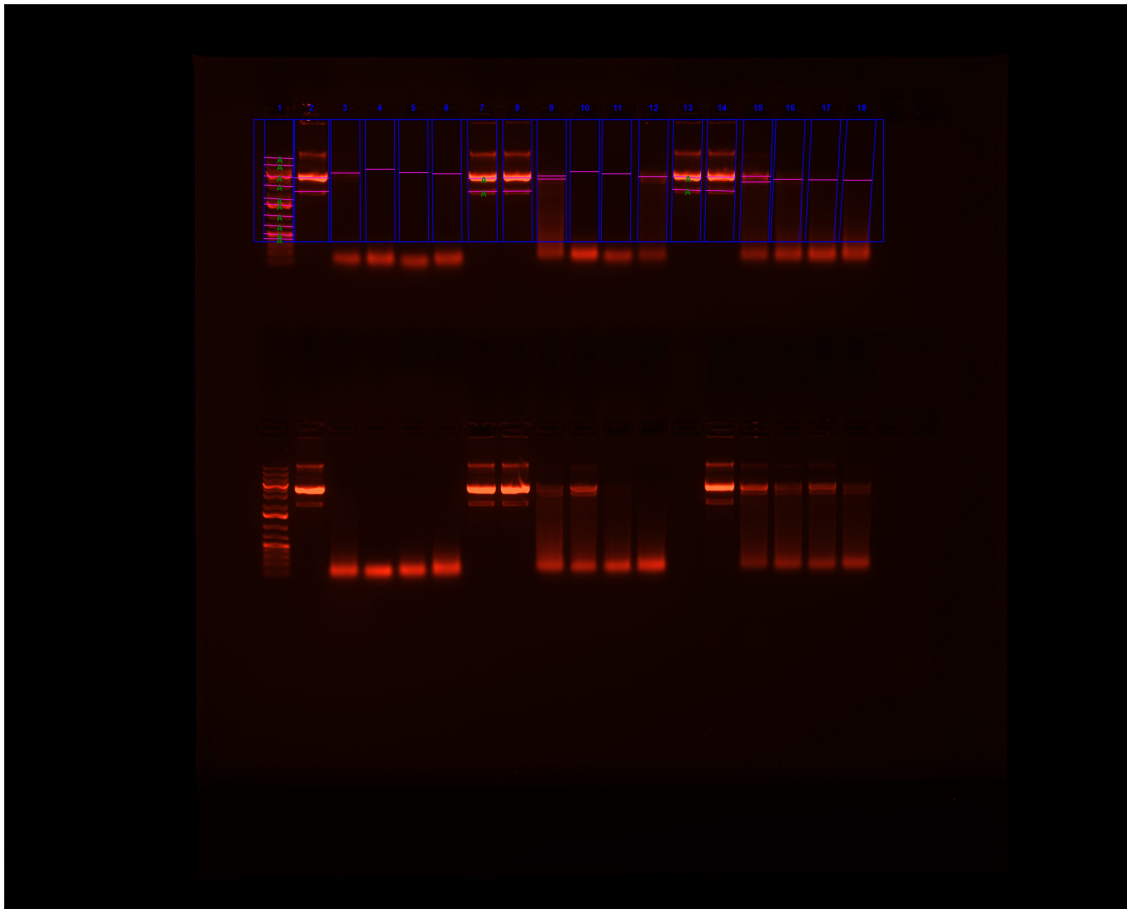
Image Report: Lab Molecolare 2021-01-07 13h04m43s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \titolazione metalli 1L2 _ Dornase\Mn e Co. ChemiDoc Images 2021-01-07_13.05.00\Lab Molecolare 2021-01-07 13h04m43s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.309 (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 1:04:43
User Name	Lab Molecolare
Image Area (mm)	X: 212.6 Y: 171.2
Pixel Size (µm)	X: 76.4 Y: 76.4

Data Range (Int)	0 - 65535

Analysis Settings

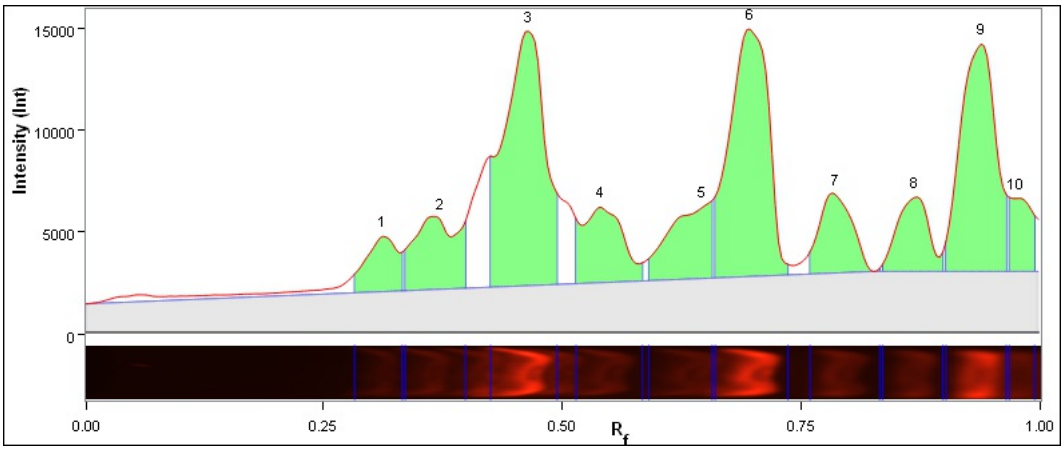
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: Variable
Quantity Analysis	Quantity Standard 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 20.0 ng Lane 1 Band 5 Quantity 20.0 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 1 Band 10 Quantity 20.0 ng Lane 7 Band 1 Quantity 180.0 ng Lane 7 Band 2 Quantity 20.0 ng Lane 13 Band 1 Quantity 180.0 ng Lane 13 Band 2 Quantity 20.0 ng Quantity regression method: Linear Regression equation: y = 4.56E-06 * x + 5.47 R-squared value: R^2 = 0.97972

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	65.358.216	105.345.360	71.904.384	127.041.120	55.136.736	N/A
2	42.681.390	50.802.715	65.036.475	127.780.245	62.743.770	N/A
3	4.154.616	9.591.480	8.567.784	53.224.704	44.656.920	N/A
4	25.848	434.520	4.515.768	45.601.992	41.086.224	N/A
5	17.064	425.304	2.172.168	44.281.800	42.109.632	N/A
6	404.280	1.717.920	4.666.968	49.323.744	44.656.776	N/A
7	45.403.848	51.259.320	71.302.032	121.758.336	50.456.304	N/A
8	43.246.944	49.684.896	67.511.088	118.519.560	51.008.472	N/A
9	6.456.744	10.353.384	42.956.064	82.178.712	39.222.648	N/A
10	54.720	580.032	7.312.392	46.659.168	39.346.776	N/A
11	83.376	822.096	6.189.336	43.368.912	37.179.576	N/A
12	7.267.320	12.983.976	11.912.904	64.777.104	52.864.200	N/A
13	43.362.648	49.053.888	66.133.008	111.229.632	45.096.624	N/A
14	42.561.504	49.277.520	63.720.072	109.769.256	46.049.184	N/A
15	11.622.240	17.475.048	20.219.760	74.491.272	54.271.512	N/A
16	5.690.520	9.726.120	27.355.104	59.423.544	32.068.440	N/A
17	2.480.616	6.701.040	18.232.632	50.908.896	32.676.264	N/A
18	2.240.424	6.519.096	22.078.440	52.124.400	30.045.960	N/A

Lane And Band Analysis

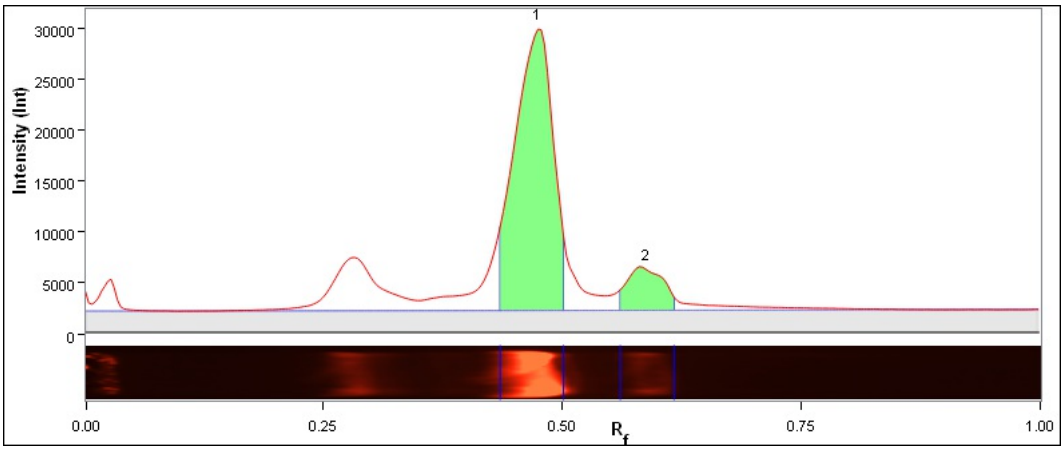
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,315	2.582.712	5.083.272	20,0	N/A	4,0	3,6
2		N/A	0,374	4.721.832	8.028.144	20,0	N/A	7,2	6,6
3		N/A	0,467	14.729.832	18.675.432	75,0	N/A	22,5	20,5
4		N/A	0,543	4.337.424	8.580.672	20,0	N/A	6,6	6,0
5		N/A	0,649	4.365.792	8.443.800	20,0	N/A	6,7	6,1
6		N/A	0,699	13.841.640	19.220.976	80,0	N/A	21,2	19,3
7		N/A	0,788	3.653.352	8.945.064	25,0	N/A	5,6	5,1
8		N/A	0,871	3.472.632	8.156.952	25,0	N/A	5,3	4,8
9		N/A	0,940	11.267.928	15.718.032	75,0	N/A	17,2	15,7
10		N/A	0,977	2.385.072	4.493.016	20,0	N/A	3,6	3,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

Lane 2

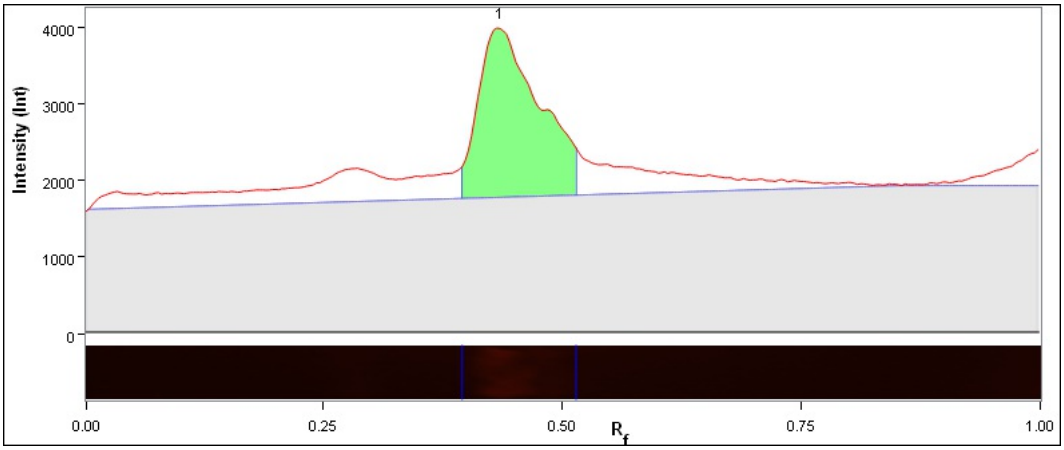


Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,477	37.266.465	41.618.975	175,5	N/A	87,3	57,3
2		N/A	0,589	5.414.925	9.183.740	30,2	N/A	12,7	8,3

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

Lane Width	6.49 mm

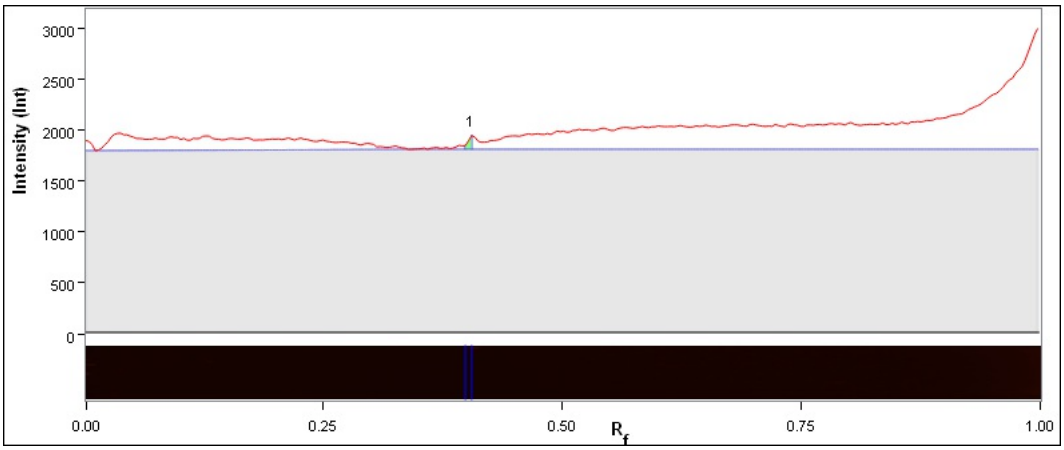
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,437	4.154.616	9.591.480	24,4	N/A	100,0	48,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

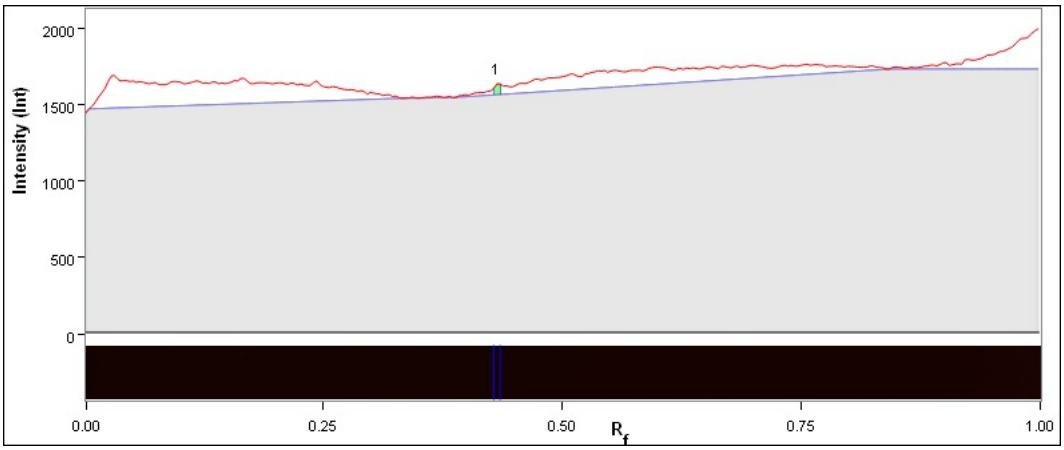
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,407	25.848	434.520	5,6	N/A	100,0	0,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

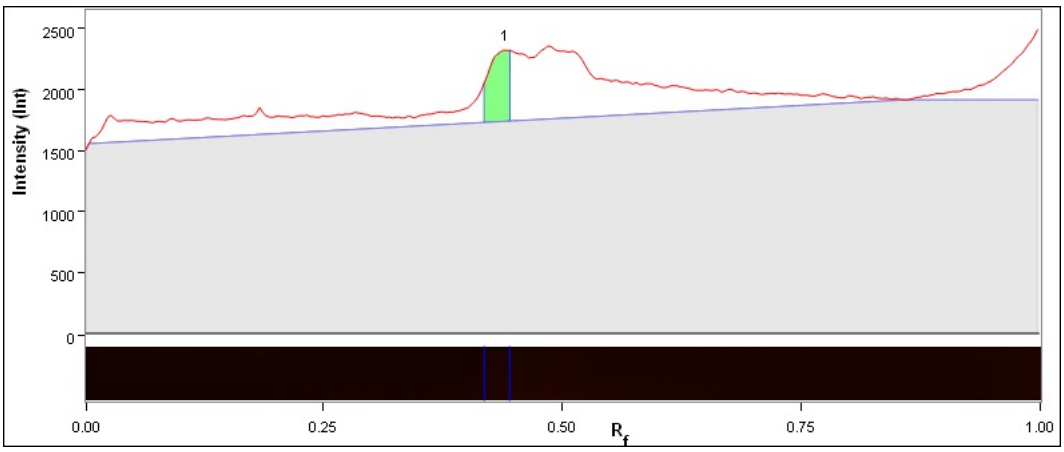
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,434	17.064	425.304	5,5	N/A	100,0	0,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

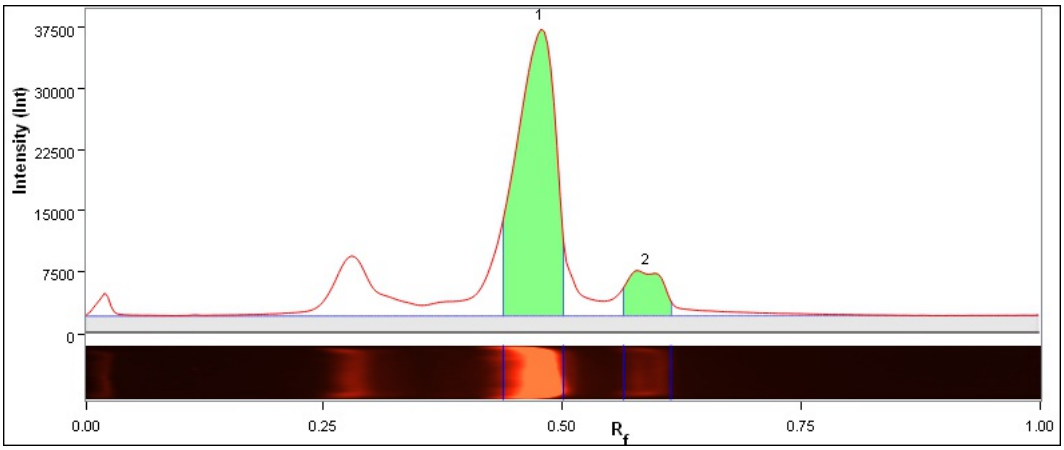
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,444	404.280	1.717.920	7,3	N/A	100,0	8,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

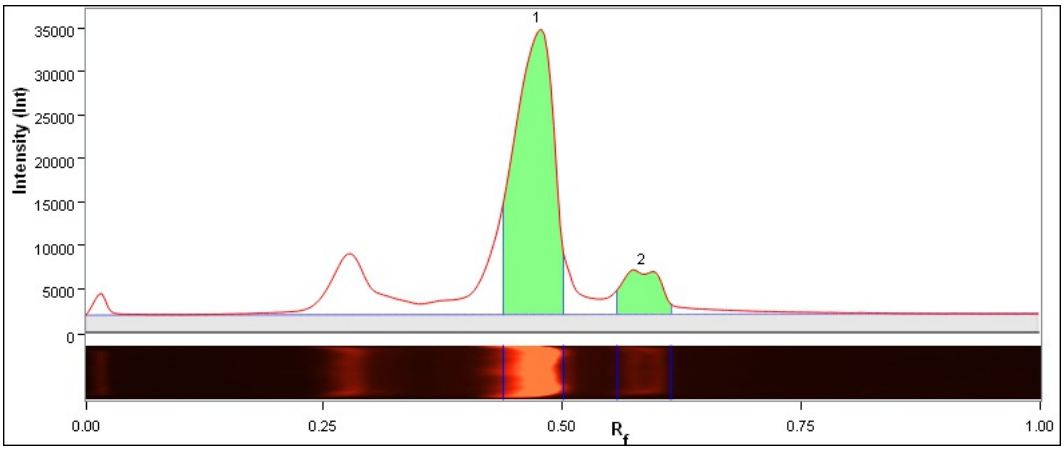
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,480	39.578.760	42.749.856	180,0	N/A	87,2	55,5
2		N/A	0,589	5.825.088	8.509.464	20,0	N/A	12,8	8,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

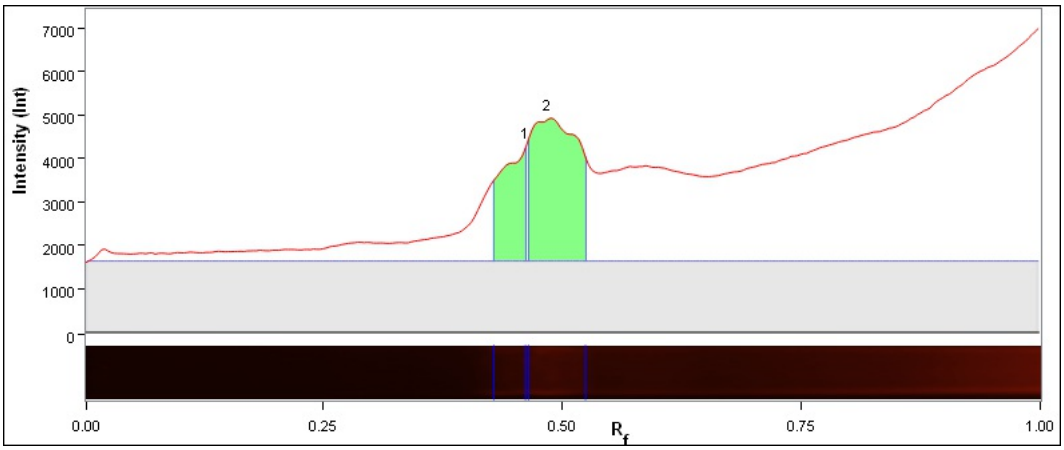
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,477	37.511.784	40.883.112	176,7	N/A	86,7	55,6
2		N/A	0,586	5.735.160	8.801.784	31,6	N/A	13,3	8,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

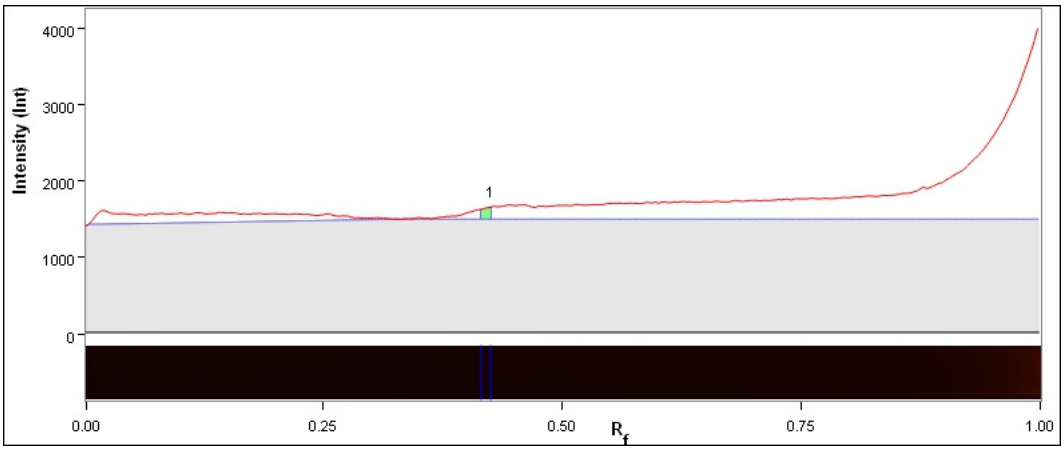
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,462	1.771.416	3.070.296	13,6	N/A	27,4	4,1
2		N/A	0,487	4.685.328	7.283.088	26,9	N/A	72,6	10,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

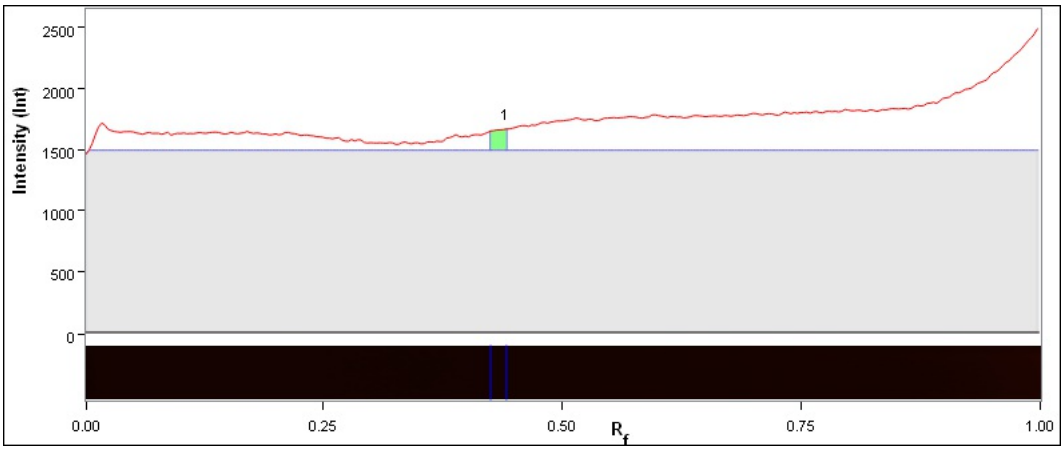
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,426	54.720	580.032	5,7	N/A	100,0	0,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

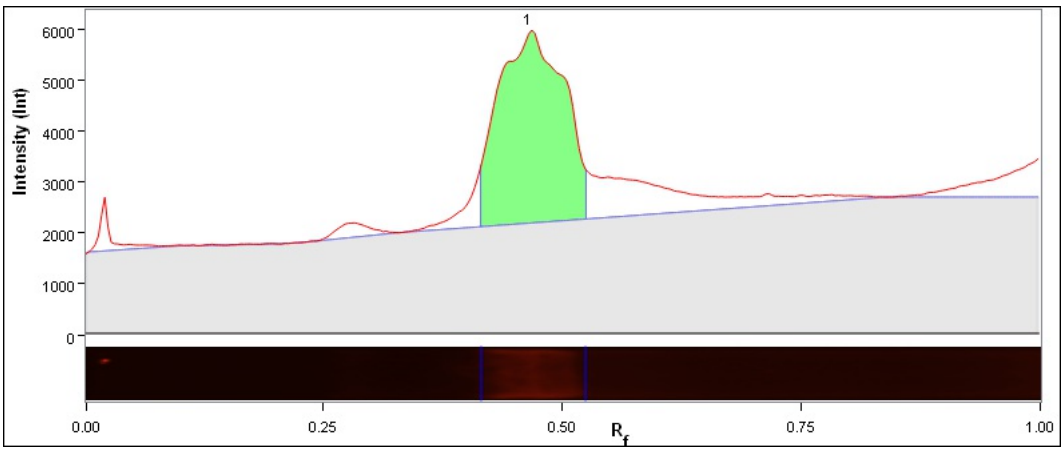
Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,444	83.376	822.096	5,9	N/A	100,0	1,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

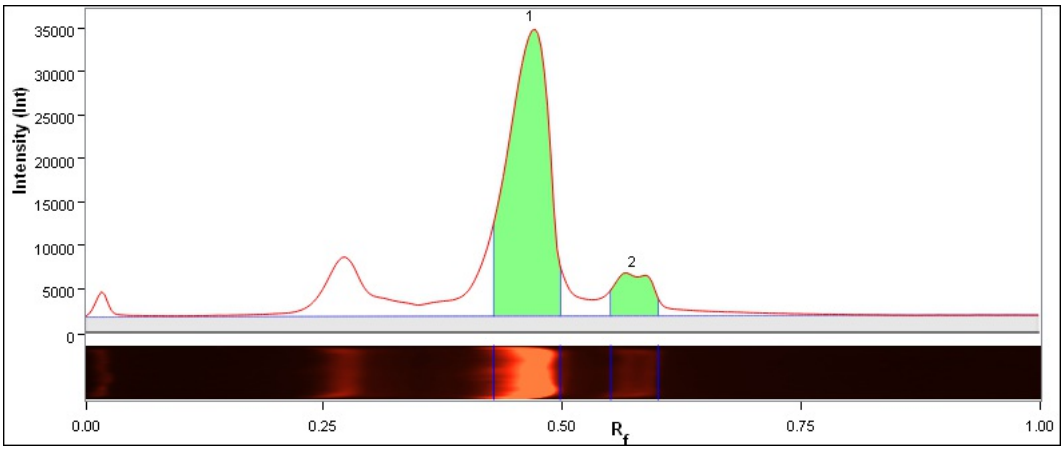
Lane 12



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,467	7.267.320	12.983.976	38,6	N/A	100,0	61,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

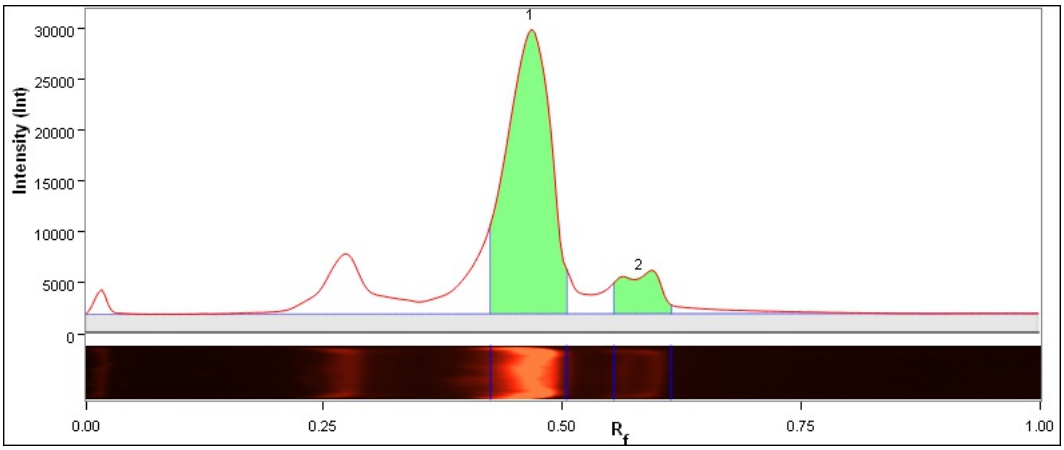
Lane 13



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,470	38.223.936	41.498.784	180,0	N/A	88,1	57,8
2		N/A	0,576	5.138.712	7.555.104	20,0	N/A	11,9	7,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

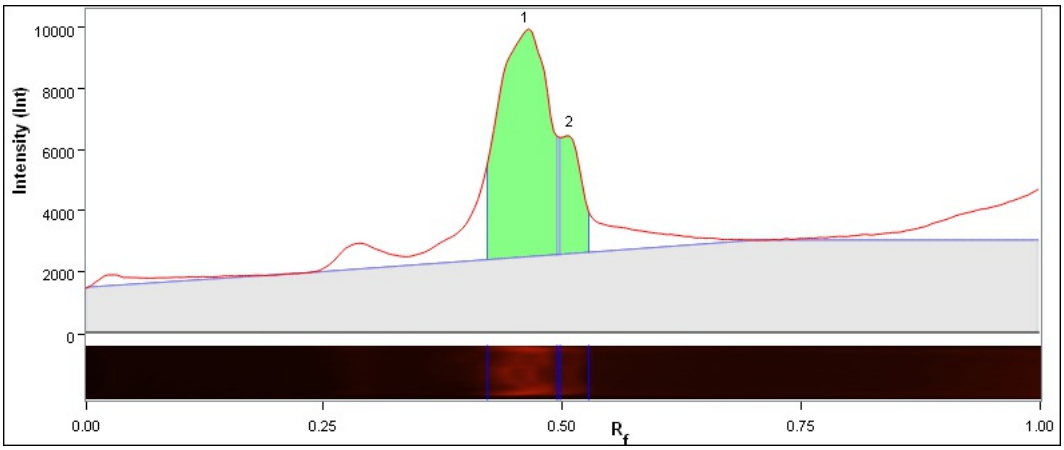
Lane 14



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,470	37.583.496	41.391.216	177,0	N/A	88,3	59,0
2		N/A	0,583	4.978.008	7.886.304	28,2	N/A	11,7	7,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

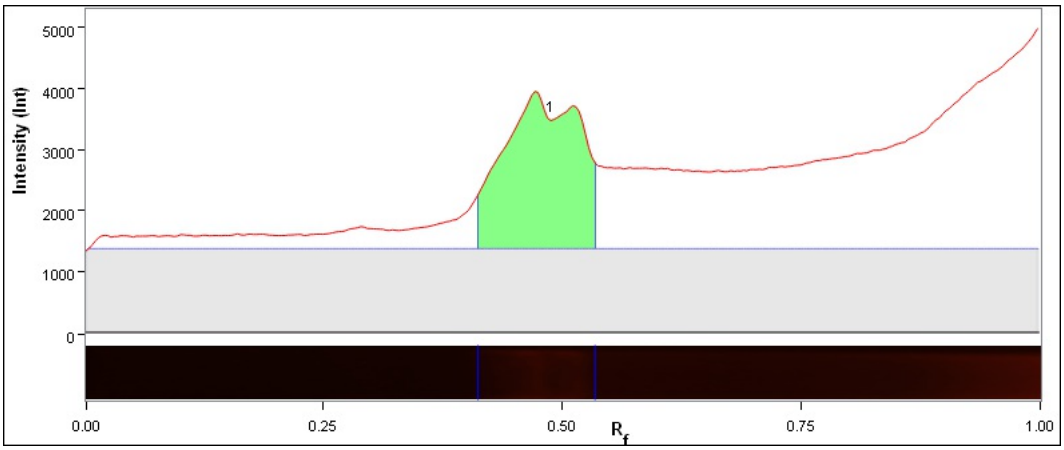
Lane 15



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,464	9.590.328	13.549.968	49,2	N/A	82,5	47,4
2		N/A	0,510	2.031.912	3.925.080	14,7	N/A	17,5	10,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

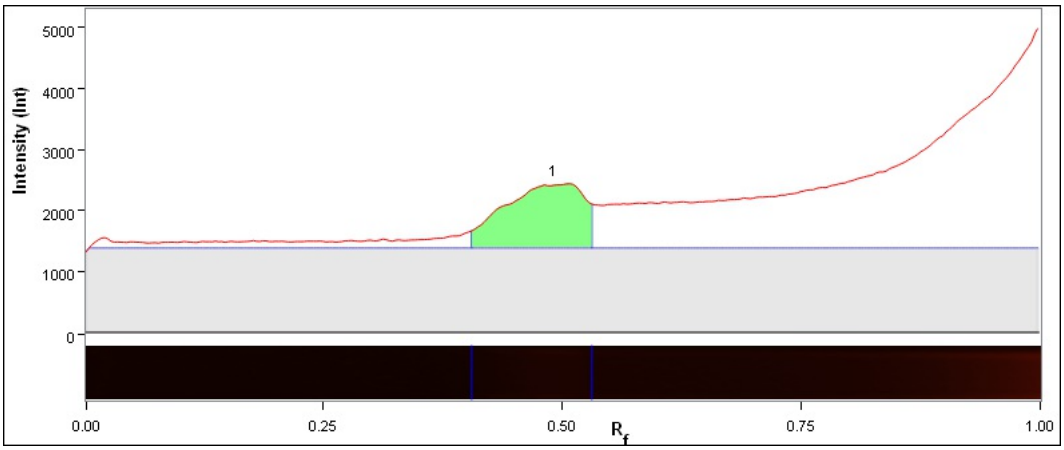
Lane 16



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,490	5.690.520	9.726.120	31,4	N/A	100,0	20,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

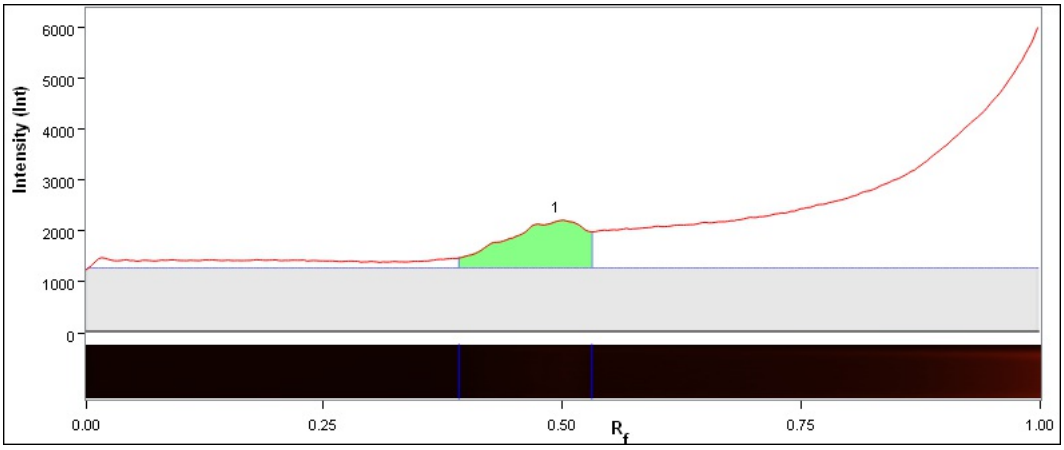
Lane 17



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,493	2.480.616	6.701.040	16,8	N/A	100,0	13,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm

Lane 18



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	2.240.424	6.519.096	15,7	N/A	100,0	10,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.50 mm