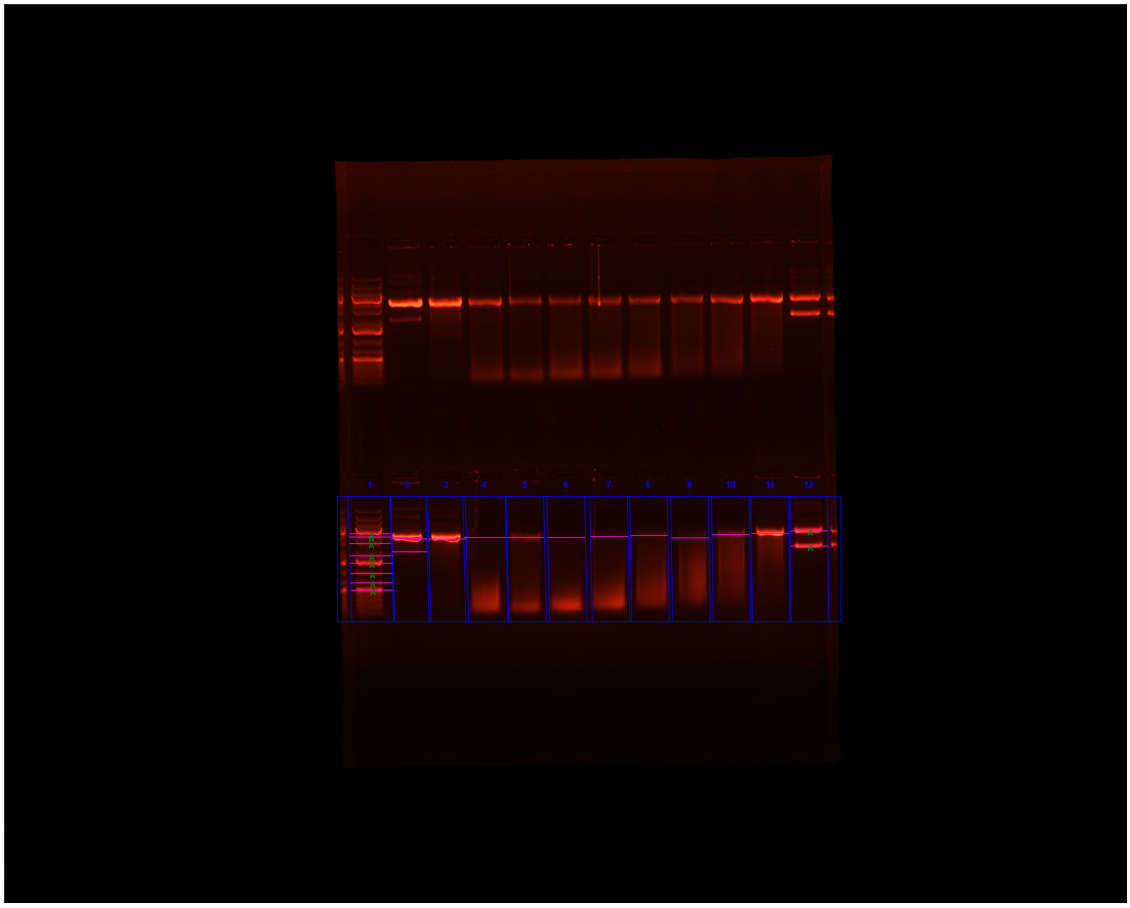
Image Report: Lab Molecolare 2020-12-21 11h22m20s



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

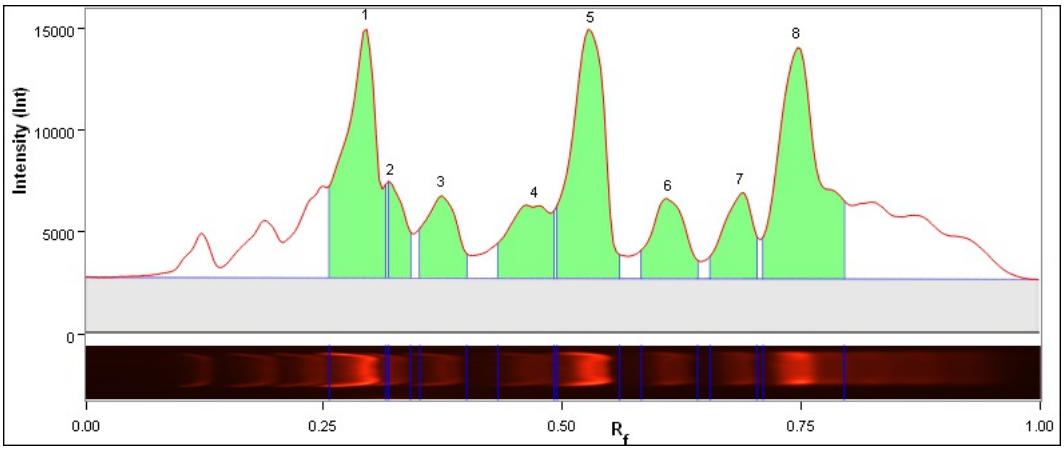
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: Variable
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 75.0 ng Lane 1 Band 2 Quantity 20.0 ng Lane 1 Band 3 Quantity 20.0 ng Lane 1 Band 4 Quantity 20.0 ng Lane 1 Band 5 Quantity 85.0 ng Lane 1 Band 6 Quantity 25.0 ng Lane 1 Band 7 Quantity 25.0 ng Lane 1 Band 8 Quantity 75.0 ng Lane 12 Band 1 Quantity 110.0 ng Lane 12 Band 2 Quantity 90.0 ng Quantity regression method: Linear Regression equation: y = 4.42E-06 * x - 0.409 R-squared value: R^2 = 0.965524

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	79.329.915	122.752.665	110.162.640	202.541.955	92.379.315	N/A
2	45.285.501	50.382.744	71.876.355	144.521.529	72.645.174	N/A
3	40.876.520	45.133.636	70.101.148	145.239.112	75.137.964	N/A
4	2.198.768	15.057.016	61.760.192	147.404.088	85.643.896	N/A
5	5.790.204	8.615.708	53.952.848	128.912.424	74.959.576	N/A
6	2.374.796	11.703.964	56.453.132	129.189.896	72.736.764	N/A
7	5.137.280	17.014.664	69.908.868	144.112.940	74.204.072	N/A
8	5.324.868	14.218.416	69.364.504	140.052.704	70.688.200	N/A
9	5.638.404	15.257.740	68.668.156	137.732.556	69.064.400	N/A
10	10.190.380	17.747.260	66.373.492	138.989.644	72.616.152	N/A
11	28.544.564	34.179.104	67.159.908	146.042.640	78.882.732	N/A
12	44.935.468	58.750.924	53.906.204	130.037.492	76.131.288	N/A

Lane And Band Analysis

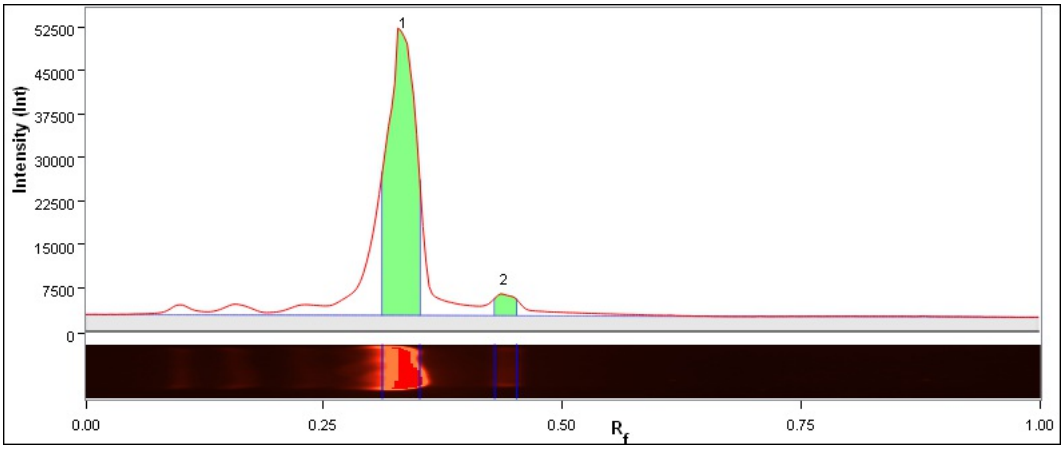
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,297	15.952.545	21.428.820	75,0	N/A	20,1	14,5
2		N/A	0,324	3.371.025	5.801.040	20,0	N/A	4,2	3,1
3		N/A	0,376	5.452.335	10.304.490	20,0	N/A	6,9	4,9
4		N/A	0,474	6.617.520	12.361.230	20,0	N/A	8,3	6,0
5		N/A	0,533	17.187.135	23.520.630	85,0	N/A	21,7	15,6
6		N/A	0,614	5.663.385	11.375.700	25,0	N/A	7,1	5,1
7		N/A	0,690	5.251.680	10.050.495	25,0	N/A	6,6	4,8
8		N/A	0,748	19.834.290	27.910.260	75,0	N/A	25,0	18,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	8.02 mm

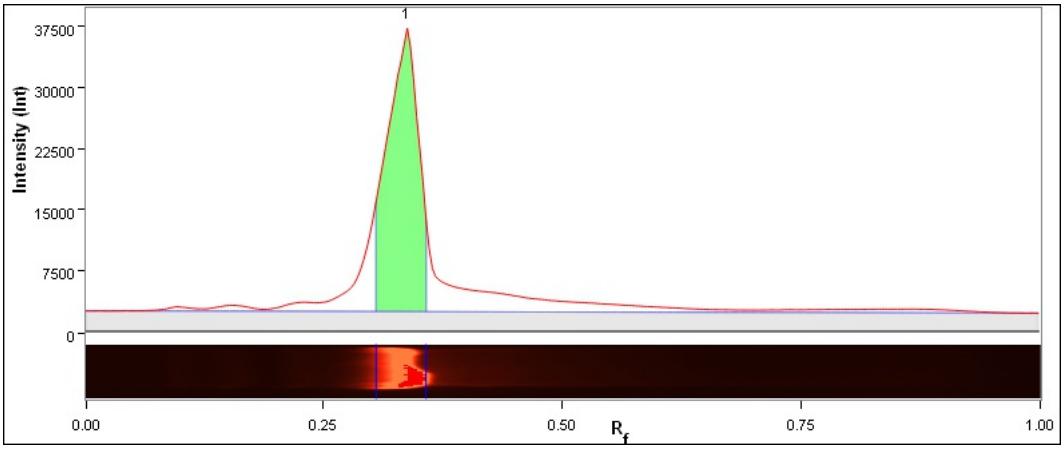
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,337	42.943.200	46.122.876	189,3	N/A	94,8	59,7
2		N/A	0,441	2.342.301	4.259.868	9,9	N/A	5,2	3,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.64 mm

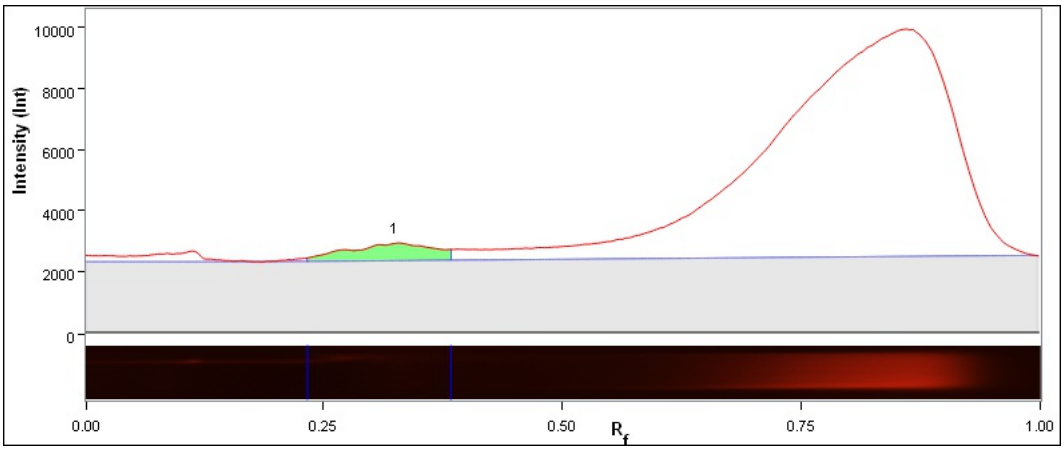
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,340	40.876.520	45.133.636	180,2	N/A	100,0	58,3

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

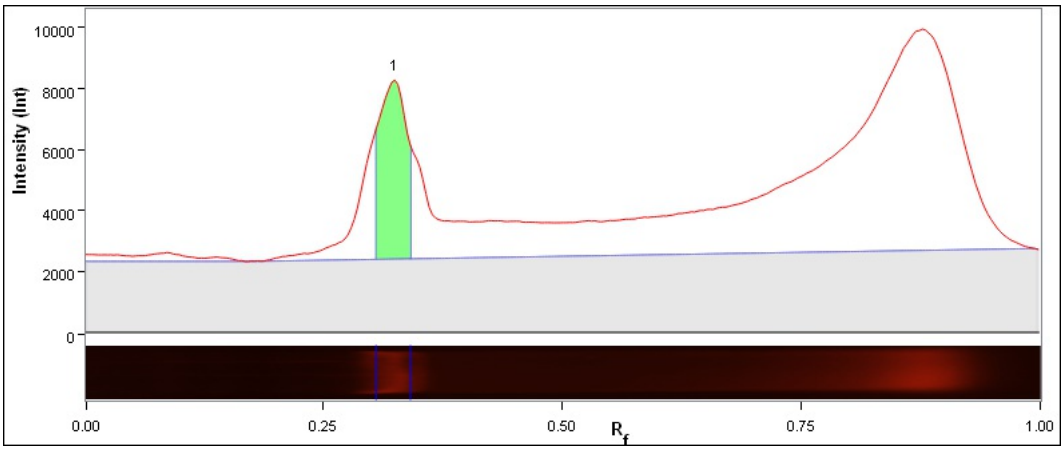
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,327	2.198.768	15.057.016	9,3	N/A	100,0	3,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.94 mm

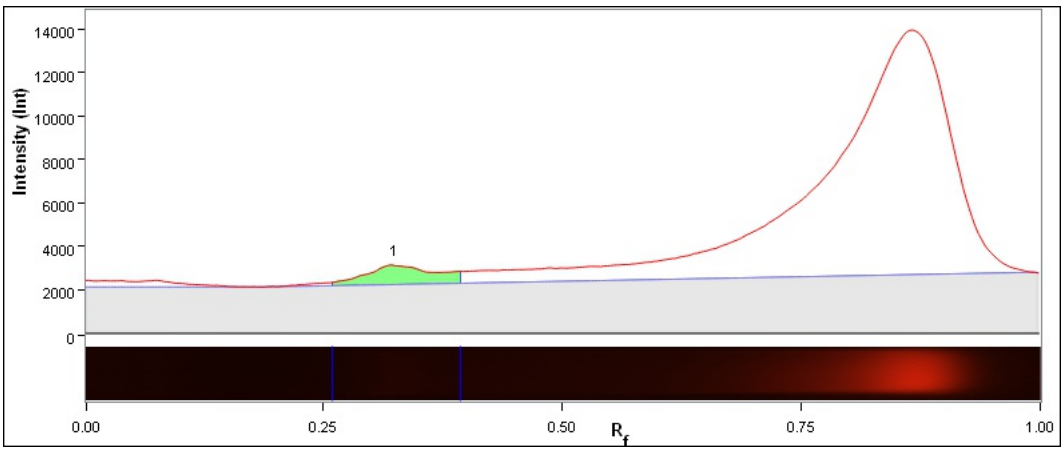
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,327	5.790.204	8.615.708	25,2	N/A	100,0	10,7

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

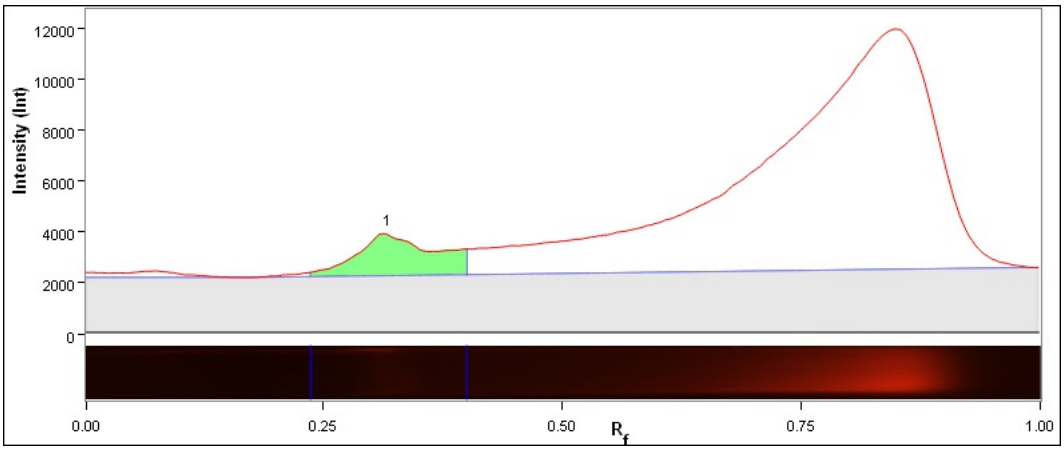
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,327	2.374.796	11.703.964	10,1	N/A	100,0	4,2

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

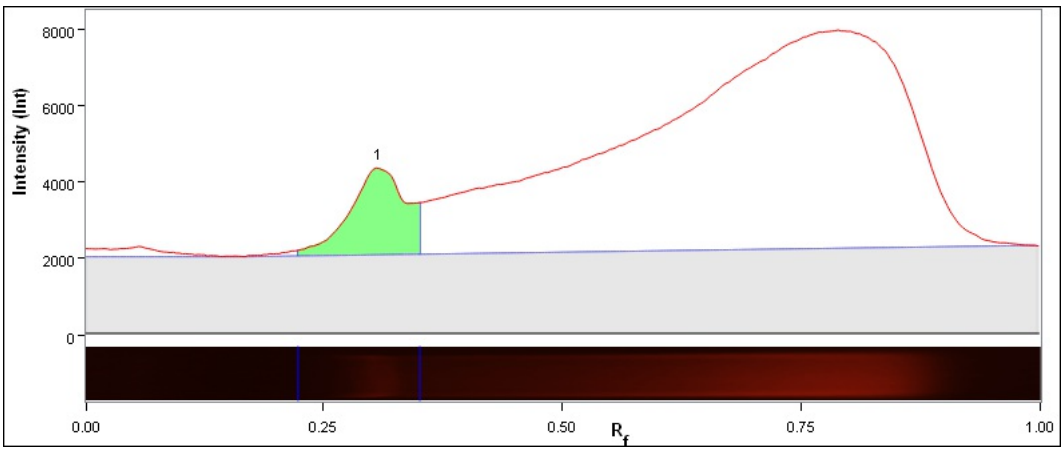
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,320	5.137.280	17.014.664	22,3	N/A	100,0	7,3

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

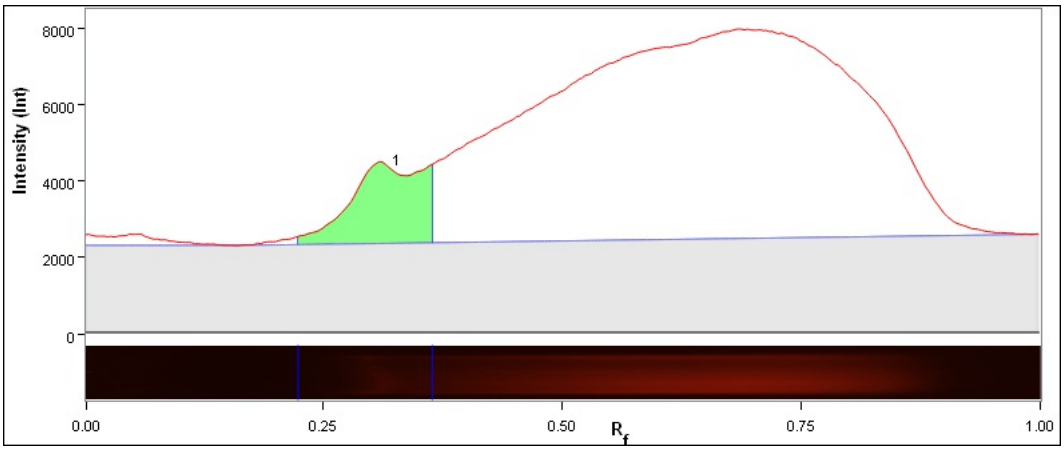
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,310	5.324.868	14.218.416	23,1	N/A	100,0	7,7

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

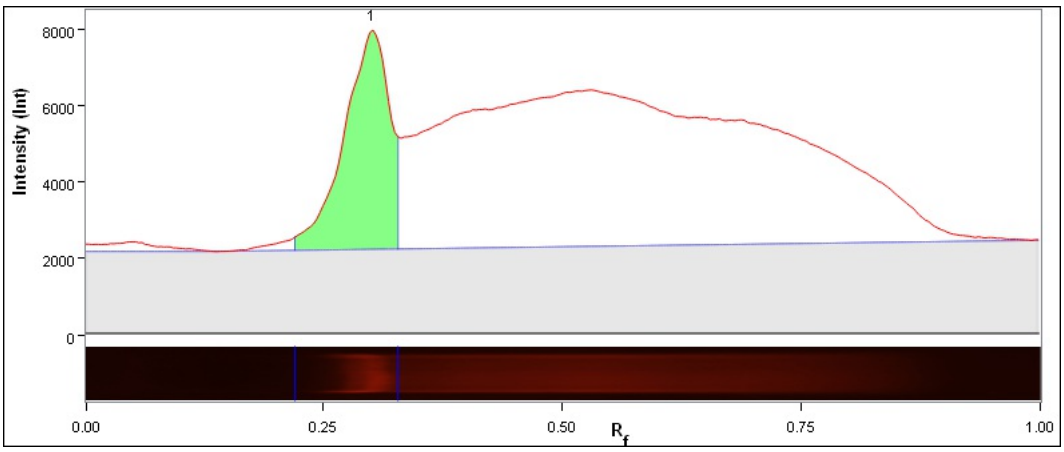
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,330	5.638.404	15.257.740	24,5	N/A	100,0	8,2

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

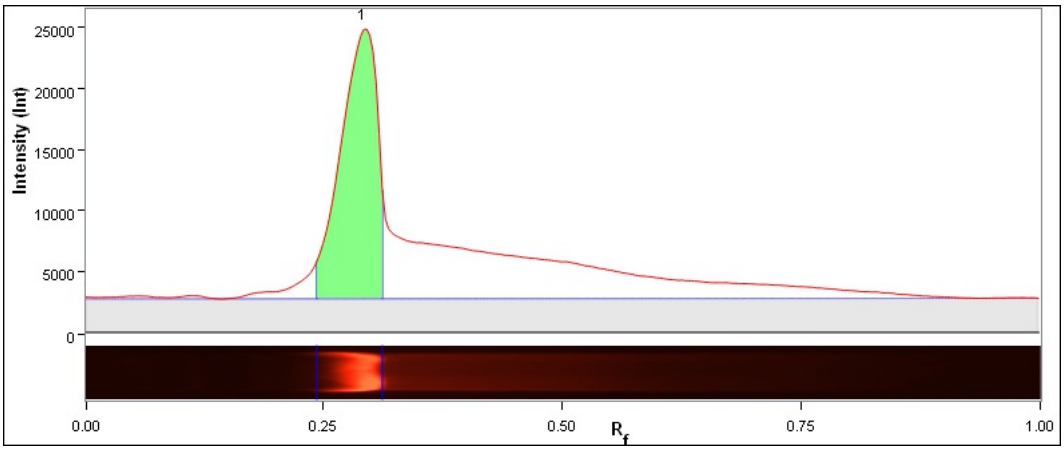
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,304	10.190.380	17.747.260	44,6	N/A	100,0	15,4

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

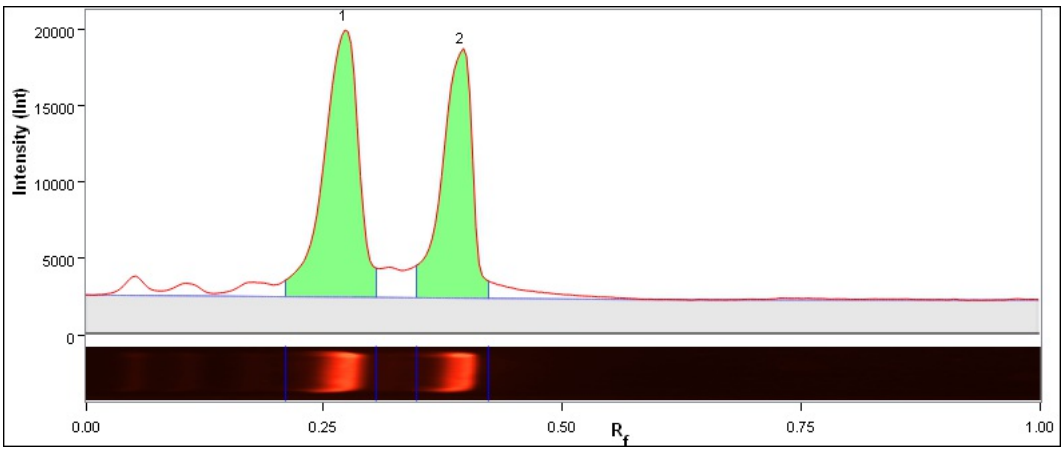
Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,294	28.544.564	34.179.104	125,7	N/A	100,0	42,5

Band Detection	Automatically detected bands with sensitivity: High
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. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,275	24.879.192	32.651.352	110,0	N/A	55,4	46,2
2		N/A	0,395	20.056.276	26.099.572	90,0	N/A	44,6	37,2

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